



**City of Salem,  
Massachusetts**



December 2019

## City Facilities

Prepared by the



Institute for Human Centered Design

# Salem City Hall



## City of Salem ADA Transition Plan

July 2019



Institute for Human Centered Design

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### Salem City Hall

Year Built: Year Renovated: 2014

#### Background

Salem City Hall is located at 93 Washington Street and is open to the public Monday through Friday. Hours of operations varies depending on the day of the week. Salem City Hall was added to the National Register of Historic Places in 1973.

There are two (2) entrances to the building; the main entrance to City Hall is on Washington Street – this entrance is not accessible. The accessible entrance is located on the lower level on Salem Green (north side of the building).

Parking is provided by nearby municipal lots. There are also on-street parking spaces on Washington Street.

City Hall is a three (3) story building connected by an interior elevator and a set of interior stairs. City departments are located on all floors. The City Council Chamber and the Mayor’s Office are located on the second floor. A single-user toilet room is located on the second floor across from the City Council Chamber; a staff-only toilet room is also located in this area.

#### Key Accessibility Issues

##### Exterior

Accessibility issues include excessive running slope at the route leading to the mailbox (on Washington Street) and excessive cross slope at the sidewalk near the main entrance.

##### Signage

Accessibility issues include lack of the required clear floor space in front of the designation signs, signs mounted slightly higher than the maximum allowed and signs not located on the latch side of the door. Other accessibility issues include lack of compliant directional signs and lack of the International Symbol of Accessibility (ISA) at the accessible entrance.

##### Service Counters and Work Surfaces

Accessibility issues include service counters that are higher than 36” above the floor (City Clerk and Hearing Office). Other accessibility issue includes lack of an accessible work surface (with knee and toe clearance) at the City Council Chamber and City Council Anteroom.

##### Single-User Toilet Room

Accessibility issues at the single-user toilet room include lack of maneuvering clearance at the door and toilet paper dispenser mounted above the side grab bar.

##### Additional Accessibility Issues

- Lack of securely attached walk-off mats.
- Lack of beveled thresholds (Elections Office and Legal Department).
- Lack of clear floor space at some doors due to furniture or location of trash can (accessible entrance on the north side) and lack of compliant door hardware at the Legal Department.
- Lack of maintenance of the minimum width at the accessible routes due to the location of furniture (City Council and Election’s Office).

#### Order of Magnitude Cost Estimates

- Repair to exterior routes: \$1,773
- Renovation to single-user toilet room: \$2,825
- Provide accessible work surfaces: \$990
- Provide accessible counters: \$1,320
- Provide ADA-compliant walk-off mats: \$1,458
- Miscellaneous corrective actions (signs, door hardware\*, thresholds, protruding object, etc.): \$1,808

**Total: \$10,174\***

\*Note: IHCD team was told that a variance was granted for historic doors in City Hall. Cost for hardware at those doors is not included.

### **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 adding contrasting strips at the edge of each step at the stairs leading to the main entrance and the interior stairs.
- At the main entrance, recommend posting the same information regarding the hours of operations inside on the right side of the double doors.
- Recommend providing the information displayed on the monitor located near the main entrance in an accessible format (e.g., braille, audio, etc.).
- Recommend relocating the directory located near the accessible entrance to avoid glare.
- Recommend duplicating the information posted near the Mayor's office to the entrance near the elevator.
- Recommend providing an adjustable lectern that allows for a forward approach in the City Council Chamber.

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Near Main Entrance	Ext.		Exterior Access Route	Sidewalk		Cross slope > 1:50 (2.00%)	5.2%	Reduce cross slope to be no steeper than 1:50 (2.00%).	1	648	\$648
2	Main Entrance	1		Exterior Access Route	Sidewalk		Cross slope > 1:50 (2.00%)	5.7%	Reduce cross slope to be no steeper than 1:50 (2.00%).	1	1125	\$1125
3	Near Main Entrance	Ext.		Exterior Access Route	Sidewalk		Running slope > 1:20 (5%)	9.9%	Reduce running slope to be no steeper than 1:20 (5.00%).  See ID #2	1	0	\$0
<b>Entrance</b>												
4	Accessible Entrance	Ext.		Entrance	Secondary Entrance		International Symbol of Accessibility not provided	-	Provide the International Symbol of Accessibility.	1	260	\$260
5	Towards City Hall Offices			Entrance	Secondary Entrance		International Symbol of Accessibility not provided	-	Provide the International Symbol of Accessibility.	1	260	\$260

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Accessible Entrance	Ext.		Entrance	Secondary Entrance		Mat not securely attached	-	Install an ADA-compliant walk-off mat.	1	486	\$486
7	Main Entrance	1	2	Entrance	Main Entrance		Mat not securely attached	-	Install an ADA-compliant walk-off mat.	1	486	\$486
<b>Access to Goods and Services</b>												
<b>Interior Access Route</b>												
8	Council's Chambers	2		Interior Access Route	N/A		Route < 36" wide	31"	Relocate furniture to ensure a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
9	Near Elevator			Interior Access Route	N/A		Mat not securely attached		Install an ADA-compliant walk-off mat.	1	486	\$486
<b>Doors, Doorways, &amp; Gates</b>												
10	Towards City Hall Offices			Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	31"	Relocate trash can to maintain the maneuvering clearance at the door.	1	Labor	\$0

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
11	Single-User Toilet Room	2		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Provide an automatic door opener.	1	2295	\$2295
12	City Council Ante Room	2		Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate furniture to maintain the maneuvering clearance at the door.	1	Labor	\$0
13	Elections and Registrations Office	1	5	Doors, Doorways, & Gates	Office		Threshold not beveled	-	Bevel threshold.	1	113	\$113
14	Legal Department	2	10	Doors, Doorways, & Gates	Office		Threshold not beveled	-	Bevel threshold.	1	113	\$113
15	Legal Department	2	10	Doors, Doorways, & Gates	Office		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
16	Hearing Office	1	4	Signage	Designation		Clear floor space is not provided	-	Relocate trash cans to provide an 18" by 18" clear floor space at the sign.	1	Labor	\$0
17	Legal Department	2	10	Signage	Designation		Clear floor space is not provided		Relocate chairs to provide an 18" by 18" clear floor space at the sign.	1	Labor	\$0
18	Licensing Department	2	8	Signage	Designation		Clear floor space is not provided		Relocate cabinet to provide an 18" by 18" clear floor space at the sign.	1	Labor	\$0
19	Near Council's Chambers	2		Signage	Designation		Clear floor space is not provided		Relocate chairs to provide an 18" by 18" clear floor space at the sign.	1	Labor	\$0
20	Assessor's Office	1	6	Signage	Designation		Raised characters < 48" or > 60" above ground	63"	Mount signs so that the baseline of the lowest tactile character is 48" min. above finish floor and the baseline of the highest tactile character is 60" max. above finish floor.	1	Labor	\$0

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	City Council Ante Room	2		Signage	Designation		Sign not located on the latch side of the door	- -	Locate sign at permanent rooms alongside the door on the latch side. Ensure an 18" by 18" clear floor space is maintained at the sign.	1	Labor	\$0
22	Licensing Department	2	8	Signage	Informational		Non glare finish and contrast not provided	-	Provide signs with a non-glare finish with characters that have a high contrast to the background.	1	174	\$174
23	Council's Chambers	2		Signage	Informational		Non glare finish and contrast not provided	-	Provide signs with a non-glare finish with characters that have a high contrast to the background.	1	174	\$174
24	City Clerk - General Office	1	3	Signage	Directional		Text size non-compliant	-	Ensure that character size complies with the Character Height Table 703.5.5 in the ADA 2010 Standards.	1	174	\$174
25		2		Signage	Directional		Text size non-compliant	-	Ensure that character size complies with the Character Height Table 703.5.5 in the ADA 2010 Standards.	1	174	\$174

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Licensing Department	1		Signage	Directional		Text size non-compliant	-	Ensure that character size complies with the Character Height Table 703.5.5 in the ADA 2010 Standards.	1	174	\$174
<b>Service Counter</b>												
27	Elections and Registrations Office	1	5	Service Counter	N/A		Route < 36" wide	-	Remove boxes to maintain a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
28	City Clerk - General Office	1	3	Service Counter	N/A		Counter > 36" high	41"	Provide a counter that is 36" max. above the ground or finish floor.	1	660	\$660
29	Hearing Office	1	4	Service Counter	N/A		Counter > 36" high	49"	Provide a counter that is 36" max. above the ground or finish floor.	1	660	\$660
<b>Operable Parts</b>												
30	Across From Hearing Office	1		Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	59"	Relocate AED so that controls are 48" max. above finish floor.	1	192	\$192

**City of Salem  
Salem City Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Dining or Work Surfaces</b>												
31	Council's Chambers	2		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Provide a work surface with 27" min. knee clearance.	1	825	\$825
32	City Council Ante Room	2		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Provide a work surface with 27" min. knee clearance.	1	825	\$825
<b>Toilet &amp; Bathing Rooms</b>												
<b>Single-User Toilet</b>												
33	Single-User Toilet Room	2		Single-User Toilet	N/A		Toilet paper dispenser is not compliant	-	Relocate toilet paper dispenser so that it is 15" min. high, located below the grab bar, and between 7" and 9" from the front of the toilet.	1	530	\$530

## Salem Police Headquarters



City of Salem

ADA Transition Plan

July 2019



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### Salem Police Headquarters

Year Built: 1991 Year Renovated:

#### Background

The Salem Police Headquarters is located at 95 Margin Street. The Police Station is a two (2) story building connected by an elevator and a set of stairs. The public accessible entrance/exit is located on the north side of the building. The entrance/exit used to transport detainees is located on the east side of the Police Headquarters.

Visitors parking is located on the north side of the building, near the accessible entrance – there are two (2) accessible spaces. Additional parking is located on the west and south side of the building.

On the first floor the Station houses a reception area, a licensing office, two (2) interview rooms and a detention area that includes male, female and juvenile cellblocks (eight (8) cells on each block). Also in this area, there is a holding cell (for overflow), a crime lab and a photo lab. Single-user men's and women's toilet rooms are also located on the first floor. The second floor houses an auditorium, a conference room and the office of the Chief of Police.

**Note:** IHCD team only surveyed the areas used by the public. The day of the survey, the elevator was not in operable working condition. IHCD team was told that it has been that way for quite some time.

#### Key Accessibility Issues

##### Parking

Accessibility issues include an access aisle that is narrower than the minimum width allowed, lack of the designation "van accessible" at the sign located at the van accessible space and

identification signs mounted lower than the minimum height allowed.

##### Holding Cells

The major accessibility issue is the lack of accessible holding cells at each holding block. This includes lack of the minimum required turning space and lack of compliant toilet/lavatory combo unit for at least one of each of the holding cells (male, female and juvenile).

**Note:** IHCD team was not shown shower facilities and does not know if showers are provided in this area.

##### Auditorium

Accessibility issue includes lack of wheelchair accessible seating. Also, the auditorium does not appear to have an assistive listening system.

**Note:** Where a sound system, microphone and/or speaker are integral to the use of the space an assistive listening system must be provided.

##### Toilet Rooms

Accessibility issues include flush control not located on the open/transfer side of the toilet (women's toilet room), side and rear grab bars not mounted at the same height (men's toilet room) and dispensers mounted higher than the maximum height allowed in both toilet rooms. Other accessibility issues in both toilet rooms include lack of maneuvering clearance at doors (on the push side because the doors are recessed more than the maximum allowed and on the pull side because of the location of the lavatory) and lack of audible and visible fire alarms.

##### Signage

Accessibility issues throughout the building include lack of tactile designation signs, and lack of egress signs at the emergency exits. Also, designation signs are not located on the latch side of the door.

##### Additional Accessibility Issues

- Excessive opening force at the main entrance.
- Lack of securely attached walk-off mat (main entrance).

Salem Police Headquarters

- AED dispenser protrudes into the circulation path (near detention area).

### **Order of Magnitude Cost Estimates**

- Renovation to auditorium (accessible wheelchair seating and ALS): \$10,593
- Renovation to toilet rooms: \$7,161
- Compliant signage (designation and egress signs): \$2,262
- Miscellaneous corrective actions (parking, ADA compliant walk-off mat, protruding object, etc.): \$1278

**Total: \$21,294\***

#### **\*Note:**

- Cost to repair the elevator is not provided.
- Cost for providing accessible holding cells (male, female and juvenile) is not provided. (See attached document from the Department of Justice regarding requirements for accessible holding cells).

### **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 an automatic door opener at the main entrance. Currently the door requires an excessive opening force to operate.
- Recommend providing a detectable warning at the curb ramp.
- Recommend adding contrasting strips at the edge of each step (auditorium and stairway).

**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Off-Street Parking Lot or Garage</b>												
1	Parking Lot	1		Off-Street Parking Lot or Garage	Visitor		Vehicle space < 96" wide at car space Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible" Sign bottom < 60" above finished grade Sign top > 96" above finished grade	80" 62" - 51"	Provide an accessible space that is at least 96" wide with a marked access aisle that is at least 96" wide. Add the designation "Van Accessible" to the sign located at the van accessible space. Locate sign with between 60" and 96" above the ground.	1	600	\$600
<b>Entrance</b>												
2	Main Entrance	Ext.		Entrance	Main Entrance		Door requires >15 lbs. of force to open	18 lbs	Adjust closers so doors do not require more than 15 pounds of force.	1	Labor	\$0
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
3	Stairway			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 finish floor located on the latch side of the door.	1	174	\$174
4	Stairway	1		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 finish floor located on the latch side of the door.	1	174	\$174

**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Stairway	2		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 finish floor located on the latch side of the door.	1	174	\$174
6	Stairway	2		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 finish floor located on the latch side of the door.	1	174	\$174
7	Stairway	2		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 finish floor located on the latch side of the door.	1	174	\$174
<b>Interior Access Route</b>												
8	Detention Area	1		Interior Access Route	N/A		Obstructed by protruding objects	-	Relocate AED cabinet.	1	192	\$192
<b>Doors, Doorways, &amp; Gates</b>												
9	Licensing Office	1		Doors, Doorways, & Gates	Office		Clear width at door < 32"	-	Ensure door opens 90 degrees.	1	Labor	\$0

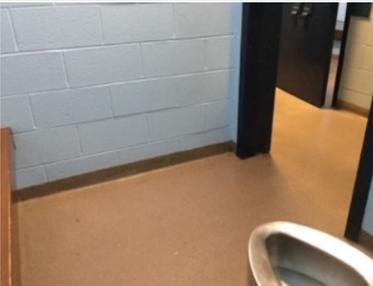
**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Men's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	See ID #12	1	0	\$0
11	Women's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	See ID #12	1	0	\$0
12	Women's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance not provided at recess > 6"	10"	Install an automatic door opener.	2	2295	\$4590
13	Main Entrance	1		Doors, Doorways, & Gates	Other		Mat not securely attached Door requires > 5 lbs. of force to open	- 17 lbs	Install an ADA-compliant walk-off mat. Adjust closers so doors do not require more than 5 pounds of force to open.	1	486	\$486
<b>Elevator</b>												
14	Lobby	1		Elevator	Interior		Elevator not maintained in operable working condition	-	Ensure elevator is maintained in operable working condition.	1	0	\$0

**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
15	Licensing Office	1		Signage	Designation		Raised characters not provided Braille misplaced Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Position braille below the corresponding text. If text is multi-lined place braille below the entire text. Locate sign alongside the door on the latch side.	1	174	\$174
16	Interview Room	1		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign alongside the door on the latch side.	2	174	\$348
17	Men's Toilet Room & Women's Toilet Room	1		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign alongside the door on the latch side.	2	174	\$348
18	Detention Area	1		Signage	Egress		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
19	Auditorium	2		Signage	Egress		Not provided	-	Locate sign on the latch side.	1	174	\$174

**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Conference Room	2		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate signs alongside the door on the latch side.	1	174	\$174
21	Chief Police	2		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
<b>Assembly Area</b>												
22	Auditorium	2		Assembly Area	N/A		Number of seats Number of designated wheelchair spaces Minimum # wheelchair spaces not provided Assistive listening devices not provided	60 - - -	Provide four (4) wheelchair spaces; two (2) in the middle and one (1) at each end of the front row. If audible communication is integral to the use of the space, provide an assistive listening system.	1	10143	\$10143
23	Auditorium	2		Assembly Area	N/A		Accessible route to stage not provided	-	Provide a portable ramp as needed.	1	450	\$450
<b>Detention Facilities</b>												
24	Holding Cell	1		Detention Facilities	Men's		Mobility cell lacks 60" turning space	-	Ensure that a 60" turning space is provided.	1	0	\$0

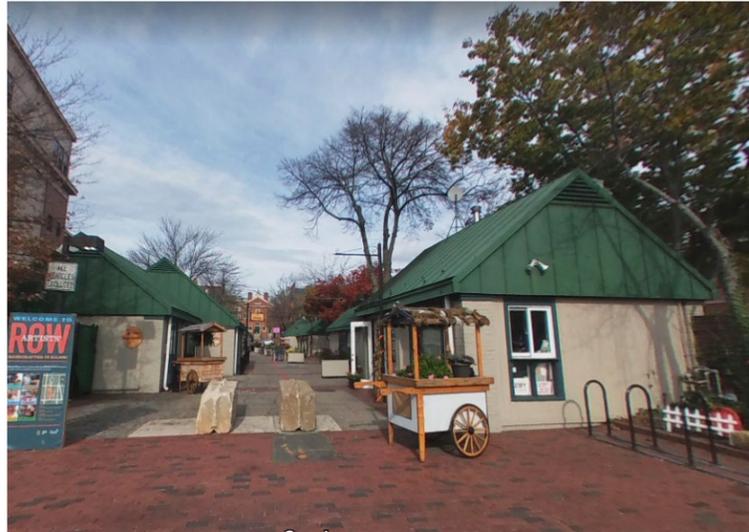
**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
25	Holding Cell	1		Detention Facilities	Men's		Mobility cell lacks access to accessible toilet/lavatory	-	Ensure an accessible toilet room is provided.	1	0	\$0
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
26	Women's Toilet Room and Men's Toilet Room	1		Overall Access	Toilet Room		Audible and visible alarms not provided	-	When fire system is updated, ensure that a visible and audible fire alarm is installed.	2	519	\$1038
<b>Single-User Toilet</b>												
27	Women's Toilet Room	1		Single-User Toilet	N/A		Flush control not on open side	-	Relocate the flush control to the open side.	1	281	\$281
28	Men's Toilet Room	1		Single-User Toilet	N/A		Side or rear grab bar < 33" or > 36" high	34"	Mount grab bars 33"- 36" above the floor.	1	192	\$192

**City of Salem  
Salem Police Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Dispensers</b>												
29	Men's Toilet Room and Women's Toilet Room	1		Dispensers	Paper Towel Dispenser		Controls > 42" high	56"	Relocate paper towel dispenser so the operable part is 42" max. above the finish floor.	2	530	\$1060

# Artist's Row



## City of Salem ADA Transition Plan

October 2019



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### Artist's Row

#### Background

Artist's Row is located at 24 New Derby Street in the historic part of the City. The Artist's Row provides retail and studio spaces for artists and is open from April to November. It consists of four (4) small buildings and public toilet rooms. Parking is provided at nearby municipal parking lots and at on-street parking.

**Note:** The day of the survey Artist's Row # 1 was vacant.

#### Key Accessibility Issues

##### Toilet Rooms

Accessibility issues at the multi-user toilet rooms include a urinal higher than the maximum allowed, lack of knee clearance at the lavatories and lack of the minimum width at the accessible route to the lavatories and the urinal. Other accessibility issues include grab bars mounted lower than the minimum allowed, toilet paper dispensers mounted above the side grab bar, and paper towel dispensers higher than the maximum allowed and that protrude into the circulation path. Additional accessibility issues include mirror mounted higher than the maximum allowed (women's toilet room), and designation signs that lack braille and raised characters and are not located on the latch side of the door.

##### Additional Accessibility Issues

- Lack of securely attached walk-off mats (Artist's Row #5).
- Lack of beveled thresholds (Artist's Row #1, #2 and #4).
- Lack of an accessible service counter (Artist's Row #2).

#### Order of Magnitude Cost Estimates

- Renovate toilet rooms: \$10,035
- Miscellaneous corrective actions (thresholds, service counter, etc.): \$1,695

**Total: \$11,730**

**Note:** Cost to provide a compliant accessible route from one of the parking lots is not included.

#### 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 an identification sign with the building number at each Artist's Row building.



**City of Salem  
Artist's Row #1**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
1	Main Entrance			Entrance	Main Entrance		Clear width at door is < 32" Threshold not beveled	- -	Keep both doors open as needed to provide program access. Bevel threshold.	1	113	\$113
2	Artist's Row	1		Signage	Egress				See Catalog for Artist's Row #5 for egress sign.	1	-	\$0

**City of Salem  
Artists Row Building #2**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
1	Main Entrance	1		Entrance	Main Entrance		Threshold not beveled	-	Bevel threshold.  See Catalog for Artist Row #5 for egress sign.	1	113	\$113
2	Building #2	1		Service Counter	N/A		Counter > 36" high	40"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
3	Route From Parking Lot	Ext.		Exterior Access Route	Walkway		Level changes > 1/4"	2"	Alter change in level to be 1/4" high max.	1	-	\$0

**City of Salem  
Artists Row Building #4**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
1	Main Entrance			Entrance	Main Entrance		Clear width at door is < 32" Threshold not beveled	29"3/4 -	Keep both doors open as needed to provide program access. Bevel threshold.  See Catalog for Artist's Row #5 for egress sign.	1	113	\$113

**City of Salem  
Artist's Row #5**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
1	Artist's Row	1		Interior Access Route	N/A		Mat not securely attached		Ensure mat is securely attached.	1	Labor	\$0
2	Entrance/Exit	1		Signage	Egress		Raised characters not provided Braille not provided	- -	Provide a sign with raised characters duplicated in braille. Ensure sign is locate alongside the door on the latch side.  (Applies to all buildings.)	4	174	\$696
3	Main Entrance	1		Entrance	Main Entrance		Mat not securely attached	-	Ensure mat is securely attached.	1	Labor	\$0

**City of Salem**  
**Artist's Row #3 - Toilet Rooms**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Access to Goods and Services</b>												
<b>Signage</b>												
1	Men's Toilet Room	1		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174	\$174
2	Women's Toilet Room	1		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174	\$174
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
3	Men's Toilet Room			Lavatory	N/A		Route < 36" wide Toe or knee clearances not provided Plumbing underneath is exposed	31" 24" -	Remove partition to ensure that a clear width of 36" min. is maintained at the accessible route to the lavatory. Provide a lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact at lavatory.	1	1526	\$1526
4	Women's Toilet Room			Lavatory	N/A		Route < 36" wide Toe or knee clearances not provided Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 24" 47.5"	Relocate partition to ensure that a clear width of 36" min. is maintained at the accessible route. Provide a lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact at lavatory. Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	1718	\$1718

**City of Salem**  
**Artist's Row #3 - Toilet Rooms**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Toilet Compartment</b>												
5	Men's Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Side or rear grab bar < 33" or >36" high Non-compliant toilet paper dispenser Coat hook > 48"	- 30" - 60"	Repair hinge. Locate grab bars between 33"- 36" above the finished floor. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet below the side grab bar. Lower coat hook so that it is no higher than 48".	1	1237	\$1237
6	Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high Flush control not on open side Non-compliant toilet paper dispenser Coat hook > 48"	30" - - 63"	Locate grab bars between 33"- 36" above the finished floor. Provide the flush control on the open side of the toilet (transfer side). Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet below the side grab bar. Lower coat hook so that it is no higher than 48".	1	1518	\$1518
<b>Urinal</b>												
7	Men's Toilet Room	1		Urinal	N/A		Rim > 17" high Flush control is > 44" high or not properly located Urinal recessed > 24" deep has < 36" clear width	20" 47" 25"	Provide an urinal with the rim no higher than 17" above the finished floor. Mount flush control at 44" max. above the finished floor. Remove partition to ensure there is a clear width of 36".	1	2628	\$2628
<b>Dispensers</b>												
8	Men's Toilet Room			Dispensers	Other		Controls > 42" high Dispenser acts as a protruding object	44" -	Relocate so the operable part is 42" max. above the finished floor. Ensure paper towel dispenser does not protrude into the circulation path.	1	530	\$530
9	Women's Toilet Room	1		Dispensers	Paper Towel Dispenser		Controls > 42" high Dispenser acts as a protruding object	58" -	Relocate so the operable part is 42" max. above the finished floor. Ensure paper towel dispenser does not protrude into the circulation path.	1	530	\$530

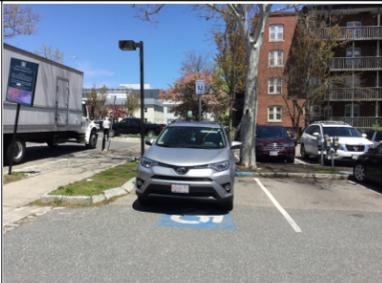


## City Hall Annex

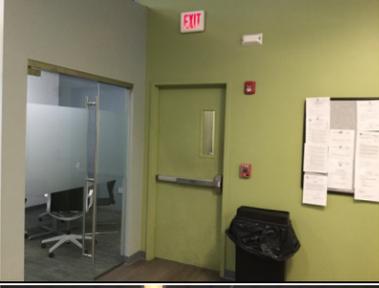
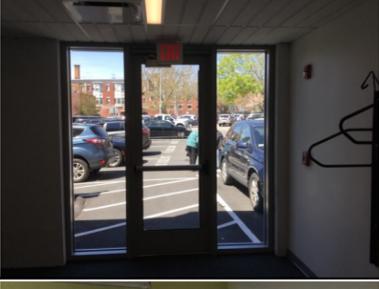
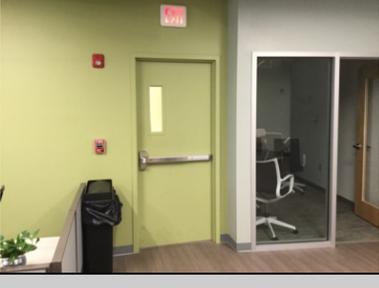
- Recommend turning off elevator button access to basement when the button is not being used by an employee. (The elevator provided access to the basement on the day of the survey, but IHCD team was told that there are no public programs in the basement.)

**Note:** On level III of the Annex the single-user men's and single-user women's toilet rooms do not comply with the 2010 Standards for Accessible Design for a variety of reasons including insufficient clear space between the toilet and lavatory (604.3.1), and insufficient pull-side maneuvering clearance at the door (404.2.4.1). Compliant directional signs must be provided at the single-user men's and women's toilet rooms directing people to the accessible single-user all-gender toilet room in order to comply with the regulations of the Massachusetts Architectural Access Board (MAAB), 521 CMR (30.1.1).

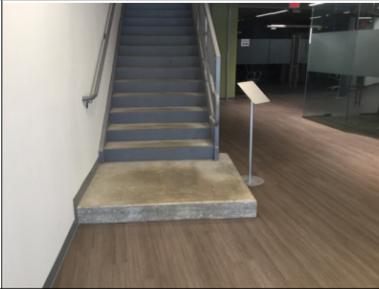
**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Off-Street Parking Lot or Garage</b>												
1	Parking By Annex	Ext		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Vehicle space < 132" wide at van space Sign does not have the designation "Van Accessible"	20 1 - -	Provide a van accessible space that is 96" wide min. with an access aisle that is 96" wide min. Add the designation "Van Accessible" to the sign located at the van accessible space. Mount the sign 60" min. and 96" max. aff.  (Cost for re-striping and a "Van Accessible" sign.)	1	600	\$600
2	Parking Sewell Street Lot	Ext		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces	60 4 -	Provide a van accessible space that is 96" wide min. with an access aisle that is 96" wide min. Add the designation "Van Accessible" to the sign located at the van accessible space. Mount the sign 60" min. and 96" max. aff.  (Cost for re-striping and a "Van Accessible" sign.)	1	600	\$600
3	Parking Sewell Street	Ext		Off-Street Parking Lot or Garage	N/A		Access aisle not provided	-	Provide a marked access aisle that is 60" wide min. (At both the photographed space and second identical space behind the photographed location.)  (Cost for re-striping to provide access aisles.)	2	225	\$450
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
4	Large Meeting Room	1	106	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 finish floor located on the latch side of the door.	1	174	\$174

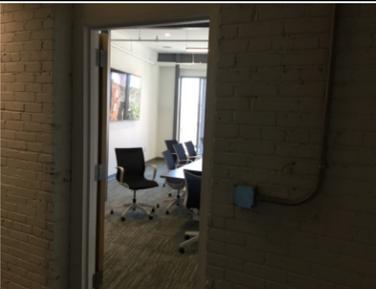
**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Large Meeting Room	1	106	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 finish floor located on the latch side of the door.	1	174	\$174
6	Planning	2		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 finish floor located on the latch side of the door.	1	174	\$174
7	Parking Entrance	1		Means of Egress	N/A		Tactile exit sign not provided International Symbol of Acc. not provided	-	Ensure tactile exit signs with raised characters and braille are provided at exit doors. Mount signs between 48"- 60" above finish floor located on the latch side of the door. Provide the International Symbol of Accessibility	1	174	\$174
8	Third Floor Lobby	3		Means of Egress	N/A		Tactile exit sign not provided International Symbol of Acc. not provided	-	Ensure tactile exit signs with raised characters and braille are provided at exit doors. Mount signs between 48"- 60" above finish floor located on the latch side of the door. Provide International Symbol of Accessibility	1	174	\$174
<b>Interior Access Route</b>												
9		1		Interior Access Route	N/A		Obstructed by protruding objects	51"	Provide a cane detectable barrier 27" max. aff before the first / leading bike rack.	1	230	\$230

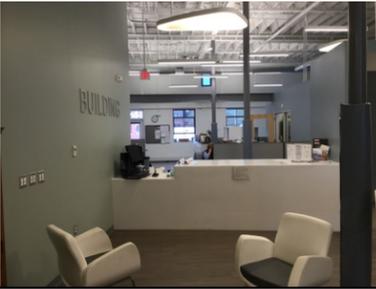
**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Lobby	1		Interior Access Route	N/A		Obstructed by protruding objects	-	Relocate bike rack. (Descending stair less than 80" aff.) Provide a cane detectable barrier below stairs.  (Cost bases on a 6' long 27" max. high pipe rail under stairs.)	1	720	\$720
<b>Doors, Doorways, &amp; Gates</b>												
11	Egress to Parking	1		Doors, Doorways, & Gates	Emergency Egress		Door requires > 5 lbs. of force to open	25 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
<b>Stairways</b>												
12	Entrance Lobby	1		Stairways	Interior		Handrails do not extend 12" from stairs Handrails not continuous where required	- -	Top: Ensure handrails extend horizontally above the landing for 12" min. beginning above the first riser nosing. Bottom: Ensure handrails extend to one tread depth beyond the last riser. Provide continuous handrails. (Cost based on one wall mounted and one free standing metal railing at landing.)	1	1074	\$1074
<b>Signage</b>												
13	Small Meeting Room	2		Signage	Designation		Not provided	-	Locate signage with raised characters and braille alongside the door on the latch side.	1	174	\$174
14	Engineering Conference Room	2		Signage	Designation		Not provided	-	Locate signage with raised characters and braille alongside the door on the latch side.	1	174	\$174

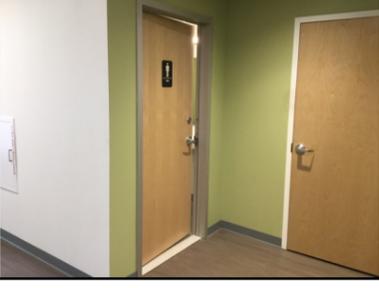
**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Planning Lobby Conference Room	2		Signage	Designation		Not provided	-	Locate signage with raised characters and braille alongside the door on the latch side.	1	174	\$174
16	Health Conference Room	3		Signage	Designation		Not provided	-	Locate signage with raised characters and braille alongside the door on the latch side.	1	174	\$174
17	Conference Room	3		Signage	Designation		Not provided	-	Locate signage with raised characters and braille alongside the door on the latch side.	1	174	\$174
18	Large Meeting Room	1	106	Signage	Designation		Raised characters not provided Braille not provided	- -	Mount signs so that the baseline of the lowest tactile character is 48" min. above finish floor and the baseline of the highest tactile character is 60" max. above finish floor. Provide braille for room number.	1	174	\$174
19	Floor 2 Stairwell	2		Signage	Designation		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille indicating floor number in stairwell. (Sign in photo is a directory.)	3	174	\$522

**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Small Meeting Room	1	102	Signage	Designation		Raised characters < 48" or > 60" above ground Braille not provided	63.5" -	Mount signs so that the baseline of the lowest tactile character is 48" min. above finish floor and the baseline of the highest tactile character is 60" max. above finish floor. Provide braille for room number.	1	174	\$174
21	Medium Meeting Room	1	107	Signage	Designation		Braille not provided	-	Provide braille for room number.	1	174	\$174
22	Wellness Room	3		Signage	Designation		Braille not provided	-	Provide braille for room number.	1	174	\$174
<b>Service Counter</b>												
23	Health Reception	3		Service Counter	N/A		Counter > 36" high	42"	Provide a counter that is 36" max. above the ground or finish floor.	1	660	\$660
24	Planning	2		Service Counter	N/A		Service counter not clear and usable.		Keep accessible counter clear of stored objects.	1	Labor	\$0

**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
25	Engineering	2		Service Counter	N/A		Service counter not clear and usable.		Keep accessible counter clear of stored objects.	1	Labor	\$0
<b>Assembly Area</b>												
26	Large Meeting Room	1	106	Assembly Area	N/A		Assistive listening devices not provided	-	If audible communication is integral to the use of the space, provide an assistive listening system.	1	0	\$0
27	Medium Meeting Room	1	107	Assembly Area	N/A		Assistive listening devices not provided	-	If audible communication is integral to the use of the space, provide an assistive listening system.	1	0	\$0
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
28	Men's and Women's	3		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet room.	2	174	\$348
29	Men's	1		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with the International Symbol of Accessibility.	1	174	\$174

**City of Salem  
Salem City Hall Annex**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Women's	1		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with the International Symbol of Accessibility.	1	174	\$174
<b>Dispensers</b>												
31	Men's	1		Dispensers	Paper Towel Dispenser		Controls > 42" high	60.5"	Relocate so the operable part is 42" max. above the finish floor. (Lower paper towel access.)	1	530	\$530
32	Women's	1		Dispensers	Paper Towel Dispenser		Controls > 42" high	61"	Relocate so the operable part is 42" max. above the finish floor. (Lower paper towel access.)	1	530	\$530
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
33	Hallway	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a hi-lo drinking fountain.  (Cost for a new wall-mounted fountain for a standing user.)	1	3021	\$3021
34	Near Wellness	3		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a hi-lo drinking fountain.  (Cost for a new wall-mounted fountain for a standing user.)	1	3021	\$3021

## Salem Department of Public Works



## Town of Salem ADA Transition Plan

October 2019



Institute for Human Centered Design

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## Salem Department of Public Works

### Background

Salem's Department of Public Works (DPW) is a one-story building located at 5 Jefferson Avenue. There is an accessible entrance on the northeast side of the building. An entrance on Jefferson Avenue connects to an interior set of stairs and is therefore not accessible. The DPW is open from 8:00 A.M. to 4:00 P.M. Monday through Wednesday, from 8:00 A.M. to 7:00 P.M. on Thursdays, and from 8:00 AM to 12:00 P.M. on Fridays. A parking lot by the accessible entrance is for employees only. No accessible parking is provided. Public parking is available along Jefferson Avenue.

Amenities include a reception area and service counter.

Programs and services include the availability of recycling and trash bins for home use, light bulb disposal, and the sale of trash overflow bags for a fee of \$2.50 per bag.

### Key Accessibility Issues

#### Parking

Accessibility issue includes lack of a van accessible parking space with a marked access aisle in the employee parking lot. The parking space also lacks an identification sign with the International Symbol of Accessibility (ISA) and the designation "Van Accessible".

#### Curb Ramps

Accessibility issues include lack of curb ramps at both ends of the crosswalk at the southwest end of the DPW building near the U-Haul facility.

#### Entrance

Accessibility issues include locking of the entrance on the northeast side of the building after 3:00 P.M. It is the only accessible entrance which means that an accessible entrance is not provided after 3:00 P.M. on days when the DPW is open after 3:00 P.M.

**Note:** In order to provide program accessibility, the accessible entrance should remain open at all times that the DPW is open, or an intercom should be installed at the accessible entrance so

visitors can notify staff when the accessible entrance needs to be opened.

**Note:** the ramp to the accessible entrance is narrower than the minimum width required, but is usable.

### Additional Accessibility Issues

- A change in level greater than the maximum allowed at the Jefferson Avenue entrance.
- Lack of a railing on one side of the interior stairs near the Jefferson Avenue entrance.
- Lack of an accessible service counter.
- Lack of door hardware at the entry door to the service office that does not require tight grasping, pinching, or twisting of the wrist.
- Lack of compliant egress and directional signage.
- Protruding object in the circulation path.
- Lack of an accessible work surface in the service office.

### **Order of Magnitude Cost Estimates**

- Provide curb ramps at crosswalk: \$5,600
- Miscellaneous corrective actions (parking, signage, service counter, etc.): \$3,972

**Total: \$9,572**

### **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 adding contrasting strips at the edge of each step at the interior stairs near the Jefferson Avenue entrance.

**City of Salem  
Department of Public Works**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	5 Jefferson Street Entrance	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	-	Alter change in level to be 1/4" high max.  (Cost based on a 3'x 9' concrete patch.)	1	464	\$464
<b>Curb Ramp</b>												
2	Crosswalk Near DPW at U-Haul	Ext.		Curb Ramp	N/A		Curb ramp not provided	-	Provide a curb ramp at both sides of crosswalk.  Note: Google Earth image.  (Cost based on curb ramps in a concrete sidewalk.)	2	2800	\$5600
<b>Off-Street Parking Lot or Garage</b>												
3	Employee Parking	Ext.		Off-Street Parking Lot or Garage	Employee		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	24 - - - -	Provide a van accessible parking space 132" wide min. with a marked access aisle 60" wide min. Provide a sign with the International Symbol of Accessibility (ISA) 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 based on re-striping and a sign.)	1	600	\$600
<b>Entrance</b>												
4	Northeast Entrance at Ramp	Ext.		Entrance	N/A		Entrance not on an accessible route when locked.	-	In order to provide program access at this entrance, which is the only accessible entrance and is locked after 3:-00 PM, either install an intercom system at this entrance, or keep this entrance open at all times that the office is open to the public.	1	Labor	\$0

**City of Salem  
Department of Public Works**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	5 Jefferson Street Entrance	Ext.		Entrance	Other		Directional sign to accessible entrance not provided	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
<b>Emergency Exit</b>												
6	5 Jefferson Street Egress After Stairs	1		Emergency Exit	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	- -	Provide a directional sign indicating the location of the nearest accessible emergency exit. 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.  (Cost based on two (2) signs.)	2	174	\$348
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
7	Northeast Accessible Exit to Ramp	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated International Symbol of Accessibility (ISA) sign is provided at accessible exit doors. 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. (Cost based on illuminated ISA sign and tactile exit sign.)	1	324	\$324
<b>Interior Access Route</b>												
8	Employee Timecard Area	1		Interior Access Route	N/A		Obstructed by protruding objects	41"	Provide a cane-detectable barrier.	1	230	\$230

**City of Salem  
Department of Public Works**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
9	Light Bulb Drop-Off	1		Interior Access Route	N/A		Accessible route not provided	-	Light bulb recycling bin not on an accessible route. Relocate bin to an accessible location or provide assistance with bulb disposal as needed.	1	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
10	Service Office	1		Doors, Doorways, & Gates	Office		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363
<b>Ramps</b>												
11	Northeast Accessible Entrance and Egress Ramp	Ext.		Ramps	Exterior		Ramp < 48" wide	40"	If ramp is renovated, widen ramp so that the clear width is 48" min. Ramp is usable but not compliant.	1	-	\$0
<b>Stairways</b>												
12	Interior at 5 Jefferson Street Entrance	1		Stairways	Interior		Handrail not provided on both sides	-	Provide handrail on one side.  (Cost based on one (1) 6' long wall-mounted wooden handrail at \$33 a foot.)	1	198	\$198

**City of Salem  
Department of Public Works**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Service Counter</b>												
13	Service Counter	1		Service Counter	N/A		Counter > 36" high	45.5	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
<b>Dining or Work Surfaces</b>												
14	Service Office	1		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least one (1) work surface with toe clearance. (Existing table does have sufficient knee clearance in excess of 27".)	1	525	\$525

# Salem Chief James F. Brennan Memorial Fire Headquarters



Town of Salem

ADA Transition Plan

October 2019



Institute for Human Centered Design

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## Salem Chief James F. Brennan Memorial Fire Headquarters

### Background

Salem's Chief James F. Brennan Memorial Fire Headquarters is a two-story building located at 48 Lafayette Street. The Headquarters has four fire engine garage doors on the south side of the building on New Derby Street, two non-accessible entrances on the east side of the building on Lafayette Street, and the main entrance, which is also not accessible, at a staff parking lot on the north side of the building by Klop Alley. Public parking is available immediately north of the staff parking area at the Klop Alley parking lot which has metered parking and two accessible parking spaces. An interior staircase connects the two floors.

Amenities on the first floor include the Fire Chief and Administration Office which is located near the main entrance, a drinking fountain and a non-accessible men's toilet room. Second floor amenities include a conference room and a drinking fountain.

### Key Accessibility Issues

#### Parking

Accessibility issue includes a lack of a van accessible parking space in both the employee parking lot and in the Klop Alley parking lot, and lack of a marked access aisle at a car accessible parking space in the Klop Alley parking lot.

#### Entrances and Exits

Accessibility issues include lack of an accessible entrance and egress due to lack of an accessible route to the main entrance, and lack of the minimum required clear floor space at the maneuvering clearance on the interior side of the main entrance and egress door.

#### Toilet Rooms

Accessibility issues at the first-floor toilet room include a door that is narrower than the minimum width required, lack of an

accessible toilet compartment, and lack of an accessible urinal. Also, the lavatory lacks insulated plumbing and the mirror and paper towel dispenser are mounted higher than the maximum height allowed.

#### Drinking Fountains

Accessibility issues include lack of a drinking fountain for seated users on the first and second floors.

#### Additional Accessibility Issues

- Lack of compliant designation, egress and directional signage.
- Lack of compliant hardware at one (1) exterior and one (1) interior door.

### Order of Magnitude Cost Estimates

- Renovate parking: \$2,213
- Renovate toilet room: \$10,389
- Renovate and provide drinking fountains: \$6,042
- Provide power door at egress: \$2,295
- Miscellaneous corrective actions (signage, door hardware, etc.): \$3,462

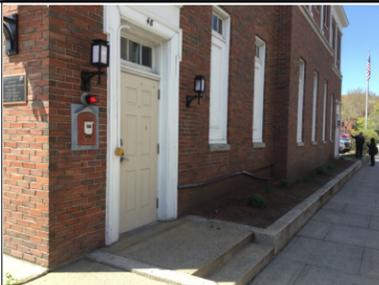
**Total: \$24,401**

### 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 adding contrasting strips at the edge of each step at the interior stairs leading to the second floor.

**City of Salem**  
**Chief James F. Brennan Memorial Fire Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Off-Street Parking Lot or Garage</b>												
1	Klop Alley Parking Lot	1	101	Off-Street Parking Lot or Garage	Visitor		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Access aisle not provided Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible"	26 2 - - - -	Provide a van accessible parking space 132" wide min. and a marked access aisle 60" wide min. Add the designation "Van Accessible" to the sign located at the van accessible space.  (Cost based on a sign and re-striping.)	1	600	\$600
2	Employee Parking - Google Maps Image	1	101	Off-Street Parking Lot or Garage	Employee		A. Total # of parking B. Total # of designated accessible parking spaces C. Total # of designated van accessible spaces N. Sign not provided O. Sign does not have the designation "Van Accessible"	10 - - - -	Provide a van accessible parking space 132" wide min. and a marked access aisle 60" wide min. at the shortest distance to the main entrance. Provide a sign with the International Symbol of Accessibility (ISA), add the designation "Van Accessible" to the sign located at the van accessible space.	1	1388	\$1388
3	Klop Alley Parking Lot	1	101	Off-Street Parking Lot or Garage	Visitor		Access aisle not provided	-	Provide a marked access aisle that is at least 60" wide at the car accessible parking space.  (Cost based on re-striping.)	1	225	\$225
<b>Entrance</b>												
4	Main Entrance at Parking	1	101	Entrance	Main Entrance		Entrance not on an accessible route ISA sign not provided.	6"	Provide a 48" wide min. x 6' long min. concrete walkway to door landing at main entrance. Ensure walkway has a running slope that does not exceed 1:20 (5.00%) and a cross slope that does not exceed 1:50 (2.00%). Provide sign with the International Symbol of Accessibility (ISA).	1	536	\$536
5	Lafayette and Newbury	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	260	\$260

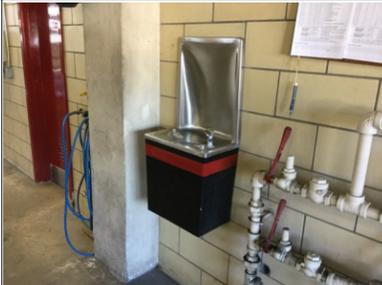
**City of Salem**  
**Chief James F. Brennan Memorial Fire Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Lafayette 1	Ext.		Entrance	Secondary Entrance		Entrance not on an accessible route Directional sign to accessible entrance not provided Hardware not operable with a closed fist	- - -	Provide a directional sign indicating the location of the nearest accessible entrance. Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	623	\$623
<b>Emergency Exit</b>												
7	Main Entrance and Exit to Staff Parking	1	101	Emergency Exit	N/A		Maneuvering clearance(s) not provided Tactile exit sign not provided Illuminated ISA not provided.	-	Provide an automatic door opener. 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. Add an illuminated International Symbol of Accessibility (ISA) to the illuminated exit sign.	1	2619	\$2619
<b>Access to Goods and Services</b>												
<b>Doors, Doorways, &amp; Gates</b>												
8	Men's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		International Symbol of Acc. not provided Clear width at door < 32"	28"	Widen the door so that there is 32" min. clear width. Provide a sign indicating toilet room is all gender. Also provide sign with the International Symbol of Accessibility (ISA) raised characters and braille mounted on the latch side of the door. (Cost based on widening door and providing a sign.)	1	2699	\$2699
9	Conference Room	2		Doors, Doorways, & Gates	Office		Hardware not operable with a closed fist Not provided Raised characters not provided	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Locate signage alongside the door on the latch side. Provide text with raised characters duplicated in braille.  (Cost based on accessible door hardware and sign.)	1	537	\$537

**City of Salem**  
**Chief James F. Brennan Memorial Fire Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
10	Admin and Chief's Office	1	101	Signage	Designation		Not provided Raised characters not provided	- -	Locate signage alongside the door on the latch side. Provide text with raised characters duplicated in braille.	1	174	\$174
11	Conference Room	2		Signage			Not provided Raised characters not provided	- - -	Locate signage alongside the door on the latch side. Provide text with raised characters duplicated in braille.	1	174	\$174
<b>Service Counter</b>												
12	Admin and Chief's Office	1	101	Service Counter	N/A		Counter > 36" high	-	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
13	Men's Toilet Room	1		Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided	-	Provide one accessible wheelchair stall.	1	4637	\$4637

**City of Salem**  
**Chief James F. Brennan Memorial Fire Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Lavatory</b>												
14	Men's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 53"	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	261	\$261
<b>Urinal</b>												
15	Men's Toilet Room	1		Urinal	N/A		Rim > 15" high (MAAB)	24"	Provide at least one urinal with the rim no higher than 15" above the finished floor.	1	2436	\$2436
<b>Dispensers</b>												
16	Admin and Chief's Office	1		Dispensers	Paper Towel Dispenser		Controls > 42" high	-	Relocate so the operable part is 42" max. above the finished floor.	1	530	\$530
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
17	First Floor	1		Drinking Fountains	High		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users.  (Cost based on a new low wall mounted drinking fountain.)	1	3021	\$3021

**City of Salem**  
**Chief James F. Brennan Memorial Fire Headquarters**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
18	Second Floor	2		Drinking Fountains	High		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users.  (Cost based on a new low wall mounted drinking fountain.)	1	3021	\$3021

## Fire Prevention Office Station #6



City of Salem

ADA Transition Plan

July 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

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617-695-1225 voice/tty

### Fire Prevention Office Station #6

Year Built: 1951 Year Renovated:

#### Background

The Fire Prevention Office Station #6 is located at 29 Fort Avenue. This Fire Station houses the Prevention Office and the Code Enforcement Office.

The Fire Station is a two (2) story building connected by a set of stairs. The only entrance/exit to the building is located on the south side – the entrance is not accessible. Inaccessible single-user toilet rooms are located on both floors and parking is located in front of the building and the northwest side of the building – there are no accessible parking spaces. On-street parking is also available.

#### Accessibility Issues

##### Major accessibility issues

- Lack of an accessible entrance/exit.
- Lack of a vertical accessible route.
- Lack of an interior accessible route.
- Lack of accessible toilet rooms.

##### Additional Accessibility Issues

- Lack of accessible parking spaces.
- Lack of compliant egress and designation signage.
- Lack of an accessible counter.
- Lack of compliant door hardware.
- Lack of compliant handrails at the stairs.

### Order of Magnitude Cost Estimates

**\*Total: \$ 0**

**\*Note:** Cost for the renovation of this building is not included because providing an accessible entrance might be technically infeasible. Due to the unique programs in this building and the lack of accessibility, IHCD recommends that the City not use this building for its programs, services and activities. Suggest relocating the Prevention Office and the Code Enforcement Office.

**City of Salem  
Fire Prevention Office Station 6**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Entrance</b>												
1	Main Entrance	Ext.		Entrance	Main Entrance		Accessible entrance not provided	-		1		\$0
<b>Access to Goods and Services</b>												
<b>Stairways</b>												
2	From 1st Floor to 2nd Floor	2		Stairways	Interior		Accessible route not provided	-		1		\$0
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
3	Toilet Room	1		Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided	-		1	0	\$0
4	Toilet Room	2		Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided	-		1	0	\$0

# Salem Public Library



City of Salem

## ADA Transition Plan

October 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

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### Salem Public Library

Year Built: 1855      Year Renovated: 1911, 1989

#### Background

Salem Public Library is located at 370 Essex Street. It was built in 1855 as a home for a local sea captain who donated the structure to Salem in 1887. The building was first opened as a library in July of 1889. Salem Public Library is part of the North of Boston Library Exchange (NOBLE), which includes twenty-six public and academic libraries.

The main entrance to the Library is on Essex Street on the south side of the building and is accessed by a set of stairs to the first floor. The accessible entrance is on the west side of the building on the ground floor and is connected to an exterior ramp. An accessible street parking space is located near the main entrance on Essex Street.

**Note:** See the Salem study on sidewalks. The reports references depressions, cracking, patching, lifting and tree roots on the sidewalk along Essex Street (*Sidewalk Condition Summary With Detailed Description.pdf* 5.28.2019).

The ground floor, first floor, second floor and mezzanine are open to the public. The building also has a third floor which is for staff use only and therefore was not surveyed.

An elevator provides vertical access to the ground, first, second and third floors, and a lift provides access from the first floor to the mezzanine. There is also a staircase from the first floor to the mezzanine and a main staircase that connects the other floors.

An interior ramp on the second floor provides an accessible route to a raised portion of the second floor.

**Note:** On the day of the survey the mezzanine area was under construction. As a result, while IHCD team verified that a lift from the first floor provided vertical access to the mezzanine, the mezzanine area was not surveyed.

The ground floor includes the preschool and children's library and a circulation desk. The first floor has a circulation desk, books, periodicals and computers for public use. The second floor has reference computers including one reference computer on an elevated desk intended for scooter users, text-magnification

equipment, study rooms, the reference library and a rare books area. In addition, two accessible single-user toilet rooms are located on both the ground and first floors, and drinking fountains are located on the ground, first and second floors.

#### Key Accessibility Issues

##### Ramps

Accessibility issues include lack of handrails on both sides of the exterior ramp to the accessible entrance on the ground floor and lack of continuous handrails on one side of the interior ramp on the second floor.

**Note:** IHCD team was told that the exterior ramp is considered historic. The Library building is in the Historic District of Salem.

##### Signage

Accessibility issues include lack of tactile and directional signs at egress doors, lack of an illuminated International Symbol of Accessibility (ISA) sign at the accessible exit on the ground floor, and lack of signs with the International Symbol of Accessibility (ISA) at two accessible single-user toilet rooms and at the exterior of power door at the accessible entrance on the ground floor.

##### Toilet Rooms

Accessibility issues include the flush control not being located on the open / transfer side in the red single-user toilet room on the ground floor and in the two (2) single-user toilet rooms on the first floor. There is a lack of insulated pipes at the lavatories, and the toilet paper dispenser is located above the side grab bar in all four (4) of the single-user toilet rooms. The mirror is mounted higher than the maximum height allowed and the side grab bar is mounted lower than the minimum height allowed in one of the toilet rooms on the first floor. Also, there is a lack of the required clear floor space at the toilet in the other toilet room on the first floor due to the location of a trash receptacle and a hand dryer mounted above the rear grab bar.

### Drinking Fountains

Accessibility issues include lack of the required minimum knee and toe clearance at the high and low drinking fountains on the ground, first and second floors.

### Additional Accessibility Issues

- Protruding objects in the circulation path.
- Threshold higher than the maximum height allowed (ground floor accessible entrance).
- Lack of securely attached walk-off mats (main entrance, ground floor accessible entrance).
- Doors that require excessive opening force (three toilet rooms and at door to the lift).
- Lack of the minimum required clear floor space in the lift. (The lift is usable but not compliant.)

### **Order of Magnitude Cost Estimates**

- Renovate ramps: \$7,220
- Provide compliant signage (designation, egress and International Symbol of Accessibility (ISA)): \$2,324
- Renovate toilet rooms: \$4,153
- Provide accessible drinking fountains: \$9,486
- Miscellaneous corrective actions (threshold, protruding objects, etc.): \$1,062

**Total: \$24,245**

### **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 adding contrasting strips at the edge of each step at the exterior stairs leading to the main entrance and at interior stairs.

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Entrance</b>												
1	Exterior Ramp Entrance	G		Entrance	Secondary Entrance		International Symbol of Accessibility not provided	-	Provide the International Symbol of Accessibility.	1	260	\$260
<b>Emergency Exit</b>												
2	Emergency Exit	G		Emergency Exit	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	174	\$174
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
3	Emergency Exit to Children's Area	G		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 finish floor located on the latch side of the door.	1	174	\$174
4	Emergency Exit	G		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 finish floor located on the latch side of the door.	1	174	\$174

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Children Exit Near Sink	G		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 finish floor located on the latch side of the door.	1	174	\$174
6	Children Emergency Exit	G		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 finish floor located on the latch side of the door.	1	174	\$174
7	First Floor Stacks Exit to Stairs	1		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 finish floor located on the latch side of the door.	1	174	\$174
8	Exit Near Study Room	2		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 finish floor located on the latch side of the door.	1	174	\$174
9	Exit Behind Reference	2		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 finish floor located on the latch side of the door.	1	174	\$174

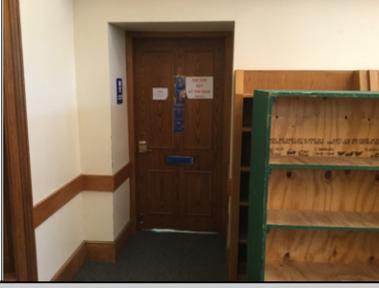
**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Main Entrance	1		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 finish floor located on the latch side of the door.	1	174	\$174
<b>Interior Access Route</b>												
11	Children	G		Interior Access Route	N/A		Route < 36" wide	33"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
12	Children Near Sink	G		Interior Access Route	N/A		Obstructed by protruding objects	33.5"	Relocate fire extinguisher out of circulation path, lower extinguisher to 27" max. above the finished floor or provide a cane detectable barrier.	1	230	\$230
13	Emergency Exit	G		Interior Access Route	N/A		Obstructed by protruding objects	-	Provide a cane detectable barrier under stairs.  (Cost for a 6'x4' pipe rail under stairs.)	1	720	\$720
14	Floor 1	1		Interior Access Route	N/A		Obstructed by protruding objects	77"	Provide color contrast and / or padding.	1	Labor	\$0

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Doors, Doorways, &amp; Gates</b>												
15	Main Entrance	1		Doors, Doorways, & Gates	N/A		Mat not securely attached	-	Securely attach walk-off mat.	1	Labor	\$0
16	Ground Floor Exit to Ramp	G		Doors, Doorways, & Gates	Emergency Egress		Mat not securely attached Illuminated International Symbol of Accessibility (ISA) not provided	-	Securely attach walk-off mat. Provide an illuminated International Symbol of Accessibility (ISA) sign.	1	150	\$150
17	Exit Towards Ramp	G		Doors, Doorways, & Gates	Emergency Egress		Threshold > 1/2" high	1"	Alter threshold to be 1/2" high max.	1	113	\$113
18	Single-User Toilet Room	1	E	Doors, Doorways, & Gates	Toilet Room		Door requires > 5 lbs. of force to open	18 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
19	Orange Single-User Toilet Room	G		Doors, Doorways, & Gates	Toilet Room		Door requires > 5 lbs. of force to open	20 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Lift to Mezzanine	1		Doors, Doorways, & Gates	N/A		Door requires > 5 lbs. of force to open	17 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
21	Single-User Toilet Room by Elevator	1		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
<b>Ramps</b>												
22	Ramp	2		Ramps	Interior		No lower handrail 18"-20" high provided Handrails not continuous where required	-	Provide continuous handrails for the length of ramp runs. (Provide continuous lower and upper handrails on one side.)  (Cost based on two 5' sections of metal handrail at \$56 a foot.)	1	560	\$560
23	Exterior Ramp	G		Ramps	Exterior		Handrails not provided	-	Provide upper handrails between 34"- 38" high above the ground and lower handrails between 18" to 20" above the ground on both sides of ramp, all with 1 1/4"- 2" circular cross sections or a 4"- 6 1/4" non-circular cross sections.  (Cost based on 4 30' sections of metal railing.)	1	6660	\$6660
<b>Platform Lift or LULA Elevator</b>												
24	Lift to Mezzanine	G		Platform Lift or LULA Elevator	Interior		36" x 48" clear floor space not provided (if end door)	34"	Providing a 36" by 48" clear floor space might be technically infeasible. (34"x46" provided). Not compliant, but usable.	1	-	\$0
<b>Toilet &amp; Bathing Rooms</b>												

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Overall Access</b>												
25	Red Single-User Toilet Room	G		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with raised characters and braille and the International Symbol of Accessibility mounted on the latch side of the door.	1	174	\$174
26	Orange Single-User Toilet Room	G		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with raised characters and braille and the International Symbol of Accessibility mounted on the latch side of the door.	1	174	\$174
<b>Lavatory</b>												
27	Orange Single-User Toilet Room	G		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
28	Red Single-User Toilet Room	G		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
29	Single-User Toilet Room by Elevator	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Single-User Toilet Room	1	E	Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
<b>Single-User Toilet</b>												
31	Single-User Toilet Room	1	E	Single-User Toilet	N/A		Flush control not on open side Side or rear grab bar < 33" or > 36" high Toilet paper dispenser is not compliant	- 30.5" -	Relocate the flush control to the open side. Mount grab bars 33"- 36" above the floor. Relocate toilet paper so that it is 15" min high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1003	\$1003
32	Single-User Toilet Room by Elevator	1		Single-User Toilet	N/A		Flush control not on open side Clearance at toilet < 60" clear width Toilet paper dispenser is not compliant	- - -	Relocate the flush control to the open side. Provide a clear floor space that is 60" wide min. (Relocate trash can and hand dryer.) Relocate toilet paper dispenser so that it is 15" min high, located under the grab bar, and between 7" and 9" from the front of the toilet.	1	1341	\$1341
33	Red Single-User Toilet Room	G		Single-User Toilet	N/A		Flush control not on open side Toilet paper dispenser is not compliant	- -	Relocate the flush control to the open side. Relocate toilet paper so that it is 15" min high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	811	\$811
34	Orange Single-User Toilet Room	G		Single-User Toilet	N/A		Toilet paper dispenser is not compliant	-	Relocate toilet paper so that it is 15" min high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	530	\$530
<b>Additional Access</b>												

**City of Salem  
Salem Public Library**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Drinking Fountains</b>												
35	Water Fountains Near Toilet Room	1		Drinking Fountains	N/A		Knee or toe clearance not provided	20"	Provide knee and toe clearance, 27" min. high at both drinking fountains.  (Cost based on a new Hi-Lo fountain.)	1	3162	\$3162
36	Near Orange Toilet Room	G		Drinking Fountains	N/A		Knee or toe clearance not provided	16"	Provide knee and toe clearance, 27" min. high at both drinking fountains.  (Cost based on a new Hi-Lo fountain.)	1	3162	\$3162
37	By Second Floor Interior Ramp	2		Drinking Fountains	N/A		Knee or toe clearance not provided	9"	Provide knee and toe clearance, 27" min. high at both drinking fountains.  (Cost based on a new Hi-Lo fountain.)	1	3162	\$3162

## Electrical Department



City of Salem

ADA Transition Plan

November 2019



Institute for Human Centered Design

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### Electrical Department

#### Background

The Electrical Department is a two-story building located at 44 Lafayette Street with an entrance on the north side of the Chief James F. Brennan Memorial Fire Headquarters. A staircase inside the main entrance connects to a landing and then to a short additional set of stairs, providing access to the Electrical Department office on the second floor. There is no elevator or other accessible route to the Electrical Department office.

**Note:** IHCD team was told that staff bring necessary forms to the ground floor as needed.

Eight (8) parking spaces are located across from the main entrance. No accessible parking spaces are provided in this area.

**Note:** Accessibility survey information about the employee parking area at the Fire Headquarters and the nearby municipal parking area at Klop Alley are included in the narrative and catalog for the Chief James F. Brennan Memorial Fire Headquarters.

The main public function of the Electrical Department office involves the distribution of forms related to electrical work.

#### Key Accessibility Issues

##### Main Entrance

Accessibility issues at the main entrance include an intercom that is mounted higher than the maximum height allowed. The intercom is also not in operable working condition. At the approach to the main entrance, the running slope is greater than the maximum allowed. The exterior landing has an excessive running slope and cross slope. It also has an excessive change in level when approached from the side. The main entry door has a threshold that is higher than the maximum height allowed. It also has door hardware that requires tight grasping, pinching, or twisting of the wrist.

##### Handrails

Accessibility issues include lack of handrail extensions at seven (7) locations on the two (2) sets of stairs leading to the Electrical Department office on the second floor.

#### Additional Accessibility Issues

- Lack of a van accessible access aisle and identification sign with the International Symbol of Accessibility (ISA) and the designation "Van Accessible" in the Electrical Department parking area.
- Lack of an accessible service counter in the Electrical Department office.
- Lack of an accessible work surface in the first floor lobby.

#### Order of Magnitude Cost Estimates

- Provide seven (7) wood railing extensions: \$1,743
- Miscellaneous corrective actions (parking, accessible door hardware, accessible service counter, accessible work surface, etc.): \$3,048

**Total: \$4,791**

#### Best Practice and Inclusive Design

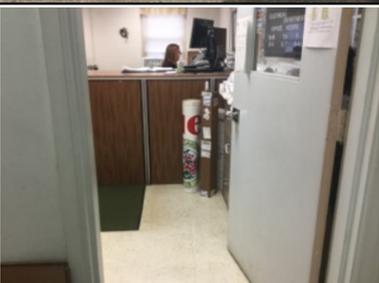
Best practice and inclusive design recommendations include elements that are not required in the standards but may create enhanced experiences for all users.

- Recommend providing a sign identifying the intercom at the main entrance.
- Recommend widely publicizing that staff will bring necessary forms to the ground floor including on the City web site.

**City of Salem  
Electrical Department**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Approach to Main Entrance	Ext		Exterior Access Route	Exterior		Cross slope > 1:50 (2.00%) Running slope > 1:20 (5%)	5.2% 13.7%	Reduce cross slope to be no steeper than 1:50 (2.00%). Reduce running slope to be no steeper than 1:20 (5%).  (Cost for adding concrete to correct running and cross slope.)	1	135	\$135
2	Approach to Main Entrance	Ext		Exterior Access Route	Exterior		Level changes > 1/4"	2"	Alter change in level to be 1/4" high max. (Bevel edge when repairing door landing.)  (Cost included in ID #5.)	1	-	\$0
<b>Off-Street Parking Lot or Garage</b>												
3	Electrical Department Parking	Ext		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Access aisle < 96" wide at van space Sign not provided Sign does not have the designation "Van Accessible"	8 - - - -	Provide a marked access aisle that is at least 96" wide. Provide a sign with the International Symbol of Accessibility 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.	1	600	\$600
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
4	Main Entrance Intercom	Ext		Means of Egress	N/A		Two-way emergency communication not provided	-	Ensure a two-way communication system is in operable working condition. (At time of survey, the intercom was broken.)	1	Labor	\$0

**City of Salem  
Electrical Department**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Doors, Doorways, &amp; Gates</b>												
5	Main Entrance Door Landing	Ext		Doors, Doorways, & Gates	Other		Maneuvering clearance at door > 1:50 (2.00%)	6.8%	Alter so that the slope of the door landing in all directions is no greater than 1:50 (2.00%).  (Cost for adding concrete to correct running and cross slope.)	1	135	\$135
6	Electrical Department Office	2		Doors, Doorways, & Gates	Circulation		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
7	Main Entrance Door Threshold	Ext		Doors, Doorways, & Gates	Other		Threshold > 1/2" high	2"	Alter threshold to be 1/2" high max.	1	75	\$75
8	Main Entrance Door	Ext		Doors, Doorways, & Gates	Other		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363
9	Electrical Department Office Door	2		Doors, Doorways, & Gates	Office		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363

**City of Salem  
Electrical Department**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Stairways</b>												
10	First Staircase to Electrical Department Office	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Top: Ensure handrails extend horizontally above the landing for 12" min. beginning above the first riser nosing. Bottom: Ensure handrails extend to one tread depth beyond the last riser. Extended handrails can wrap around a wall.  (Cost based on 4 wooden railing extensions.)	4	249	\$996
11	Second Staircase to Electrical Department Office	2		Stairways	Interior		Handrails do not extend 12" from stairs	-	Top: Ensure handrails extend horizontally above the landing for 12" min. beginning above the first riser nosing. Bottom: Ensure handrails extend to one tread depth beyond the last riser.  (Cost based on 3 wooden railing extensions.)	3	249	\$747
<b>Service Counter</b>												
12	Electrical Department Office	2		Service Counter	N/A		Counter > 36" high	43"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
<b>Operable Parts</b>												
13	Main Entrance Intercom	Ext		Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	62" -	Relocate intercom so that controls are between 15"- 48" above finished floor.	1	192	\$192

**City of Salem  
Electrical Department**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Dining or Work Surfaces												
14	First Floor Lobby	1		Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	In order to provide program access, place an accessible work surface with 27" min. knee clearance on the ground floor so visitors who can't access the second floor can review forms onsite.	1	525	\$525

# Old Town Hall



## City of Salem ADA Transition Plan

October 2019



Institute for Human Centered Design

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## Old Town Hall

### Background

Salem Old Town Hall is located at 32 Derby Square in the City's historic district. Events such as fashion shows, fundraisers, exhibits and weddings are hosted there.

Parking is provided at nearby municipal parking lots and local parking garages. There are also on-street parking spaces on Washington Street and Front Street.

The Old Town Hall is a two (2) story building with an accessible entrance on the north side. The main entrance (south side) is located on Derby Square (this entrance is not accessible). The building floors are connected by an elevator and two (2) sets of interior stairs. The first floor is used as an exhibit space and the second floor is used as a public hall. Men's and women's multi-user toilet rooms are located in the basement and a single-user toilet room is located on the second floor.

### Key Accessibility Issues

#### Exterior

Accessibility issues at the accessible routes include lack of maintenance and in some cases excessive cross slopes.

#### Toilet Rooms

Accessibility issues at the single-user toilet room (2<sup>nd</sup> floor) include toilet distance from side wall greater than the maximum allowed, lack of maneuvering clearance at the door due to the location of the trash can and lack of a designation sign. Other accessibility issues include lack of insulated pipes at the lavatories in the single-user toilet room (2<sup>nd</sup> floor) and the men's toilet room (basement).

#### Additional Accessibility Issues

- Lack of directional signs at the inaccessible exits.
- Lack of securely attached walk-off mats.
- Lack of beveled thresholds (doors leading to the Great Hall).
- Lack of accessible door hardware.

## Order of Magnitude Cost Estimates

- Provide an accessible route to the stage (Great Hall): \$16,245
- Renovate toilet rooms: \$2,720  
Miscellaneous corrective actions (signs, door hardware, thresholds, ADA-compliant walk-off mats, protruding object, etc.): \$2,661

**Total: \$21,626**

**Note:** Cost for repair to exterior routes is not provided.

## 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 adding contrasting strips at the edge of each step at the stairs leading to the second floor.
- Recommend adding a sign that says, "Low Headroom" or, "Low Ceiling" at the stairs leading to the toilet rooms in the basement.
- Recommend adding a directional sign to the toilet rooms at the bottom of the stairs (basement).

**City of Salem  
Salem Old Town Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Old Town Hall - North Side Entrance	Ext.		Exterior Access Route	Sidewalk		Exterior route < 36" wide	-	Ensure the right leaf is closed to maintain 36" min. width at the accessible route.	1	-	\$0
2	Old Town Hall - North Side	Ext.		Exterior Access Route	Sidewalk		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working conditions.	1	-	\$0
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
3	Exit - Near Elevator	1		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided	- -	Provide a directional sign indicating the location of the nearest emergency exit.	2	174	\$348
4	Emergency Exit - Near Men's Toilet Room	B		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided	- -	Provide a directional sign indicating the location of the nearest emergency exit.	1	174	\$174

**City of Salem  
Salem Old Town Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Interior Access Route</b>												
5	Front Entrance	1		Interior Access Route	N/A		Mat not securely attached	-	Install an ADA-compliant walk-off mat.	1	324	\$324
6	Towards Great Hall	2		Interior Access Route	N/A		Obstructed by protruding objects	-	Provide a cane-detectable barrier under the fireplace mantel.	2	230	\$460
<b>Doors, Doorways, &amp; Gates</b>												
7	Towards Exhibit Area	1		Doors, Doorways, & Gates	Circulation		Threshold not beveled	-	Bevel threshold.	1	113	\$113
8	Single-User Toilet Room	2		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Remove the trash can to maintain the maneuvering clearance at the door.	1	Labor	\$0
9	Great Hall	2		Doors, Doorways, & Gates	Circulation		Threshold not beveled	-	Bevel threshold.	1	113	\$113

**City of Salem  
Salem Old Town Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Great Hall	2		Doors, Doorways, & Gates	Other		Threshold not beveled	-	Bevel threshold.	1	113	\$113
11	Towards Great Hall	2		Doors, Doorways, & Gates	Other		Threshold not beveled Hardware not operable with a closed fist	- -	Bevel threshold. Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	476	\$476
12	Towards Great Hall	2		Doors, Doorways, & Gates	Other		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363
<b>Elevator</b>												
13	Elevator - West Side	1		Elevator	Interior				Ensure elevator provides unassisted entry and exit.	1	Labor	\$0
<b>Signage</b>												
14	Exit	1		Signage	Egress		Raised characters not provided Braille not provided	- -	Provide a permanent sign with raised characters duplicated in braille. Locate sign near the emergency exit.	1	174	\$174

**City of Salem  
Salem Old Town Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Single-User Toilet Room	2		Signage	Designation		Not provided	-	Provide a sign with raised characters duplicated in braille. Locate sign on the wall adjacent to the latch side of the door. Add the International Symbol of Accessibility (ISA).	1	174	\$174
<b>Assembly Area</b>												
16	Great Hall	2		Assembly Area	N/A		Accessible route to stage not provided	-	Provide an accessible route to the stage. Consider installing a ramp or a lift.  (Cost for an interior lift.)	1	16245	\$16245
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
17	Single-User Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
<b>Single-User Toilet</b>												
18	Single-User Toilet Room	2		Single-User Toilet	N/A		Centerline < or > 18" (MAAB)	22"	Relocate toilet so that the centerline is 18" from the side wall.	1	2121	\$2121

**City of Salem  
Salem Old Town Hall**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Toilet Compartment</b>												
19	Women's Toilet Room	B		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
<b>Dispensers</b>												
20	Women's Toilet Room	B		Dispensers	Tampon Dispenser		Dispenser acts as a protruding object	7"	Relocate dispenser out of the circulation path.	1	530	\$530

# Schools

Prepared by the



Institute for Human Centered Design

## Bates Elementary School



City of Salem

ADA Transition Plan

November 2019



Institute for Human Centered Design

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### Bates Elementary School

Year Built: 1969

Year Renovated: 2001

#### Background

Bates Elementary School, located at 53 Liberty Hill Avenue, is for children from kindergarten to 5<sup>th</sup> grade. The school is three (3) stories high, with a basement level as well as Floors 1 and 2.

There is an elevator near the main entrance on the north side of the school that allows access to all three (3) floors, and another elevator near the center of the school that has been taken out of commission.

The cafeteria and accessible stage are located on the basement floor along with a few classrooms. The music room, gym, main office, health suite, and classrooms are located on the first floor, and the library and additional classrooms are located on the second floor. Amenities outside include two (2) playgrounds, two (2) basketball courts, and two (2) parking lots.

There are 16 emergency exits in the building, 11 of which are accessible including the main entrance. Parking is provided on the east and west side of the school. The east parking lot has approximately 7 spaces including four (4) designated accessible spaces. The west lot has 58 spaces and there are currently no designated accessible spaces. This lot is also a parking lot for Salem residents during Salem snow emergencies.

#### Key Accessibility Issues

##### Parking

The parking lot on the west side of the building lacks the required number of accessible spaces. Due to its size, it requires two (2) car accessible spaces and one (1) van accessible space. The parking lot on the east side of the school lacks an access aisle that is at least 96" wide at the van space as well as the

designation "Van Accessible" on the parking sign for the northern most space.

##### Emergency Exits

In the school, all of the emergency exits lack tactile signage indicating them as exits. Additionally, the accessible exits lack illuminated exit signs that contain the International Symbol of Accessibility (ISA), and inaccessible exits lack directional signage indicating the location of the nearest accessible exit.

##### Interior Routes

Throughout the school, classrooms have mats that are not properly secured. Additional issues include a lack at least 36" width in circulation paths in classrooms, where most of these issues are due to clutter or storage that do not allow for 36" wide paths. Stored objects are also placed in the maneuvering clearances for many classroom doors. There are also hanging objects, like lanterns, that act as protruding objects in multiple classrooms.

##### Work Surfaces

There are a number of classrooms that lack an accessible work surface with a minimum 27" knee clearance to the bottom of the table. There are also many classrooms that have adjustable tables that are not set to allow for the required knee clearance.

##### Sinks

Many classrooms throughout the school have sinks of an accessible design, but have been obstructed by clutter or storage. This prevents someone with mobility limitations from properly utilizing the sinks.

##### Play Areas

The north playground, near the basketball courts, lacks a route around the playground as well as an impact resistant route to each of the play components. This playground also lacks a compliant transfer station.

The south playground is technically compliant, but an issue was brought to the IHCD survey team's attention by a concerned parent. It seems as though the curbs that cut through the middle

of the playground act as a serious tripping and safety hazard (see Fig. 1). As it is in the middle of the playground, children might be running from one side to the other and could fall if they are not fully aware of the curbs. IHCD strongly recommends looking into a possible solution to this issue, such as redesigning the area or using more poured in place rubber.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

#### Toilet Rooms

The major accessibility concern in the toilet rooms is the side grab bars in many of the multi-user toilet rooms' accessible compartments that connect to the ground and are not of a compliant length. In some instances, the toilet paper dispensers have been placed out of reach range because of the grab bars. Other issues include lack of knee and toe clearance at lavatories, exposed plumbing under lavatories, and toilet centerlines that are not at 18" from the side wall.

#### **Additional Accessibility Issues**

- Counter in the main office is more than 36" high and lacks a lowered section.
- Books and other stored supplies located out of reach range.
- Lack of an accessible picnic table located on an accessible route on the north side of the school.
- A number of designation signs in the school are not located on the latch side of the doors.

#### **Order of Magnitude Cost Estimates**

- Exterior route renovations: \$4,643
- Parking lot renovations: \$4,764
- Provide compliant egress signage: \$4,492

- Six (6) work surfaces with knee clearance: \$3,150
- Toilet room renovations: \$22,867
- Provide accessible drinking fountains: \$3,830
- Playground renovations: \$25,275
- Miscellaneous corrective actions (including protruding objects, service counters, etc.): \$4,759

**Total: \$73,780**

#### **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.

- Consider relocating benches near the south playground so that shoulder alignment is available by ensuring that the 30" by 48" clear floor space spans at least 12" from the back of the benches.
- At Emergency Exit #10, consider providing an informational sign on the inside of the door indicating the conditions of the exit on the exterior (stairs leading away from building).
- At Emergency Exit #12 and 13, recommend repairing surface so that transition from concrete safety area to asphalt is flush.
- In Room 005, consider providing additional seating that is on an accessible route.
- In Music Room 012, consider providing handrails and edge protection on risers.
- In Music Room 012 at the staircase, consider providing directional signage indicating the location of the accessible route to the second floor practice area.
- While there is a notice posted on some of the old elevator doors, IHCD recommends posting the notices on all three floors to ensure that the public is aware that the elevator is out of service. IHCD also recommends providing

- directional signage indicating the location of the working elevator on all three floors.
- Recommend ensuring that in all stairwells, all sets of handrails have extensions that extend 12" beyond the last top riser and one tread depth past the bottom riser.

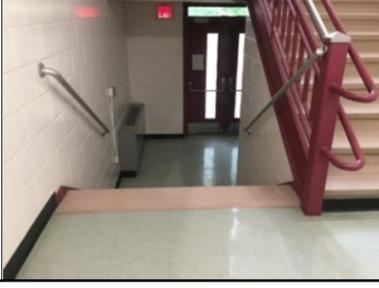
**Fig. 1** Tripping Hazard on South Playground



**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Route to Basketball Court 2	Ext.		Exterior Access Route	Exterior		Surface openings > 1/2"	3"	Repair surface.	1	27	\$27
2	Bike Rack Near Basketball Court 1	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 15' by 4' wide asphalt route to bike rack.)	1	383	\$383
<b>Curb Ramp</b>												
3	Southeast Corner of School	Ext.		Curb Ramp	N/A		Curb ramp not provided	-	Provide a curb ramp at intersection.	1	2800	\$2800
<b>Off-Street Parking Lot or Garage</b>												
4	Parking Lot on West Side of School	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	58 0 - - -	Provide two (2) car accessible spaces and one (1) van accessible space. Provide a marked access aisle that is at least 60" wide. for the car spaces to share and one that is 96" wide for the van space. 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" at the van accessible space.	3	1388	\$4164

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Accessible Parking Spaces Near Main Entrance	Ext.		Off-Street Parking Lot or Garage	N/A		Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible"	93" -	Provide a marked access aisle that is at least 96" wide. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	600	\$600
<b>Entrance</b>												
6	Stairs to Basketball Courts and Playground on North Side of School	Ext.		Entrance	N/A		Directional sign to accessible entrance not provided	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
7	Emergency Exit 9	Ext.		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit not provided	- -	Ensure tactile exit signs on the interior of the door have 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 a directional sign on the inside indicating the location of the nearest accessible emergency exit.	1	348	\$348
8	Emergency Exit 14, Near Cafeteria	B		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit 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. Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348
9	Route to Emergency Exit 4	1		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit 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. Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348

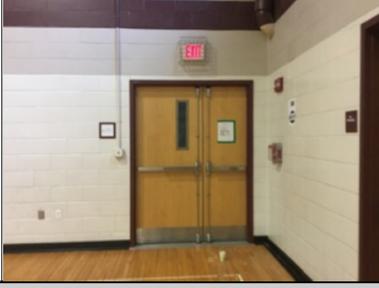
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Emergency Exit 8	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
11	Emergency Exit 15	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
12	Emergency Exit 16	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
13	Emergency Exit 11	B	012	Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
14	Emergency Exit 12, Near Stage	B		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Emergency Exit 10, in Music Room	1	130	Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
16	Emergency Exit 7	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
17	Route to Emergency Exit 5	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
18	Emergency Exit 5	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
19	Emergency Exit 6	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- - -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Main Entrance, Exit 1	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
21	Exit From Gym to Emergency Exit 12 in Basement	1		Means of Egress	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	174	\$174
<b>Interior Access Route</b>												
22	Classroom, Book Nook	2	202	Interior Access Route	N/A		Route < 36" wide	30" -	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
23	Classroom	2	202	Interior Access Route	N/A		Route < 36" wide	19"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
24	Classroom	2	205	Interior Access Route	N/A		Route < 36" wide	17.5"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

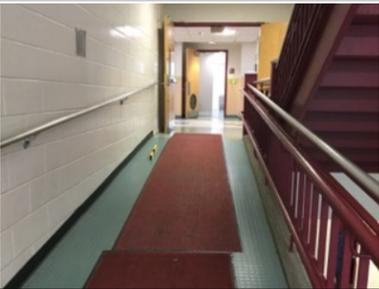
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
25	Classroom, Fifth Grade	2	210	Interior Access Route	N/A		Route < 36" wide	25"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
26	Classroom	2	209	Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
27	Classroom, Fourth Grade	2	217	Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
28	ELA Classroom	2	206	Interior Access Route	N/A		Obstructed by protruding objects	76"	Relocate sign in doorway so that it is at least 80" above the finished floor.	1	Labor	\$0
29	Main Office	1	100	Interior Access Route	N/A		Obstructed by protruding objects	7"	Relocate object out of circulation path.	1	530	\$530

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Classroom	1	107	Interior Access Route	N/A		Obstructed by protruding objects	69"	Relocate lanterns so that that are at least 80" above the finished floor.	1	Labor	\$0
31	Classrooms Throughout School	2, 1, B	203, 205, 209, 213, 215, 217, 05, 104, 107, 110	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats.	16	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
32	Main Office Into Hallway	1	100	Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Remove the chair away from the required maneuvering clearance at the door.	1	Labor	\$0
33	Health Suite	1	127	Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Relocate the cart away from the required maneuvering clearance at the door.	1	Labor	\$0
34	Toilet Room Near 127	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Relocate trash can to another wall at the same height away from the required maneuvering clearance at the door.	1	530	\$530

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
35	Toilet Room Near 127	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	14"	While not technically compliant, this doorway is still usable.	1	-	\$0
36	Classroom	1	104	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the cabinet away from the required maneuvering clearance at the door.	1	Labor	\$0
37	Classroom, First Grade	1	119	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the cabinet away from the required maneuvering clearance at the door.	1	Labor	\$0
38	Locker Room Entrance	1		Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Provide an automatic door opener.	1	2295	\$2295
<b>Ramps</b>												
39	Ramp to Emergency Exit 7	1		Ramps	Interior		Running slope >1:12 (8.33%) Mat not securely attached	9.8% -	Repair to this ramp might be technically infeasible. Securely attach mat.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Elevator</b>												
40	Elevator	1		Elevator	Interior		Raised characters / braille not provided on cabin controls	-	Ensure that raised character and braille designations are placed immediately to the left of the control button to which the designations apply. Ensure they align with the currently used floor plan.	1	360	\$360
<b>Signage</b>												
41	Bilingual Reading Room	2	207	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
42	Art Room	2	208	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
43	Art Room to Kiln Room	2	208	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
44	Music Ensemble Room and Music Office	B	009, 013	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

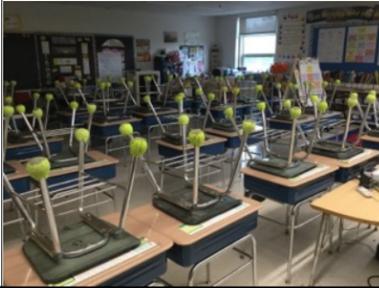
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
45	Office	1	128	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
46	Boys' Toilet Room	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.	1	Labor	\$0
47	Classroom	1	113	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
48	Classroom	1	108	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
<b>Service Counter</b>												
49	Main Office	1	100	Service Counter	N/A		Counter > 36" high	42"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Operable Parts</b>												
50	Emergency Shower	2	211	Operable Parts	Other		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at emergency eye wash station.	1	Labor	\$0
51	Classroom, Book Nook	2	202	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
52	Classroom	2	209	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	64"	Relocate hooks so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
53	Classroom, Third Grade	2	213	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
54	Classroom, Fourth Grade	2	215	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
55	Classroom, First Grade	1	119	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	68"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
56	Boys' and Girls' Locker Rooms	1		Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	66.5"	Relocate at least one hook per room so that controls are between 15"- 48" above finished floor.	2	192	\$384
<b>Dining or Work Surfaces</b>												
57	Classrooms Throughout School	2, 1, B	202, 210, 213, 215, 217, 005	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface per room is accessible with 27" minimum knee and toe clearance.	6	525	\$3150
58	Classrooms Throughout School	2, 1	203, 124, 104, 118, 107	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Adjust at least 1 work surface per room so that they have 27" min. knee and toe clearance.	5	Labor	\$0
59	Classroom	1	110	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22.5"	Adjust work surface so that it has 27" min. knee and toe clearance.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
60	Assistant Principle's Office	1	126	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided Mat not securely attached	26" -	Adjust table so that it has minimum 27" knee clearance underneath. Securely attach mat.	1	Labor	\$0
<b>Picnic Tables</b>												
61	North Side of School	Ext.		Picnic Tables	N/A		At least 5% accessible spaces not provided Picnic table not on an accessible route	- -	Ensure that at least 5% (minimum one) of dining surfaces are accessible. Ensure that the dining surface is connected to an accessible route.  (Cost based on an accessible picnic table and a 15' by 4' wide asphalt path to the picnic area.)	1	1433	\$1433
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
62	Girls' Toilet Room	1		Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	25" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334
63	Boys' Toilet Room	1		Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	24.5" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334
64	Toilet Room Near 109	1	113	Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	25.5" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
65	Girls' Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
66	Boys' Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
67	Girls' Toilet Room	B		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
68	Health Suite, Toilet Room	1	127	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
69	Toilet Room in 116	1	116	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
70	Boys' Toilet Room	B		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
71	Women's Toilet Room Near 218	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
72	Men's Toilet Room Near 218	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
<b>Single-User Toilet</b>												
73	Women's Toilet Room Near 218	2		Single-User Toilet	N/A		Centerline < or > 18" (MAAB)	20"	Relocate toilet so that the centerline is 18" from the side wall.	1	2121	\$2121
74	Men's Toilet Room Near 218	2		Single-User Toilet	N/A		Centerline < or > 18" (MAAB)	20"	Relocate toilet so that the centerline is 18" from the side wall.	1	2121	\$2121

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
75	Toilet Room in 113	1	113	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 22"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
76	Toilet Room in 115	1	115	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 22"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
77	Toilet Room in 116	1	116	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 24"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
<b>Toilet Compartment</b>												
78	Girls' Locker Room Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
79	Boys' Toilet Room	B		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long	30"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall.	1	674	\$674

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
80	Girls' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
81	Boys' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
82	Girls' Toilet Room	B		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
83	Girls' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	31" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
84	Boys' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	31" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Shower Compartment</b>												
85	Health Suite, Toilet Room	1	127	Shower Compartment	Transfer Type		Accessible shower not provided	-	Provide at least one accessible shower by ensuring it is maintained in operable working condition and is free of clutter.	1	Labor	\$0
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
86	Gym	1		Drinking Fountains	High		Inadequate water flow No drinking fountain provided for seated users	- -	Install a Hi-Lo drinking fountain.	1	3162	\$3162
87	Drinking Fountains Near Main Staircase	B	005	Drinking Fountains	Hi-Lo		Standing height fountain does not have cane protection	-	Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
<b>Sink</b>												
88	Classroom	2	202	Sink	Classroom		Clear floor space not provided at sink Sink not on a accessible route	- -	Provide a 30" by 48" clear floor space positioned for a forward approach. Ensure the sink is on an accessible route.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
89	Health Suite	1	127	Sink	N/A		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach by removing clutter.	2	Labor	\$0
90	Classrooms Throughout School	2, 1	210, 208, 213, 215, 130, 104, 119, 118	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach by removing storage and other clutter under the sink. Ensure sinks have a minimum 30" by 48" clear floor space as well.	8	Labor	\$0
91	Bilingual Reading Room	2	207	Sink	Classroom		Sink not on a accessible route	-	Ensure the sink is on an accessible route.	1	Labor	\$0
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
92	Playground on North Side of School	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components	-	Ensure an accessible route is provided to one of each type of ground level play components  (Cost based on 250' by 4' wide asphalt route around playground as well as 1880' by 5' wide poured in place rubber route to play components.)	1	25275	\$25275
93	Playground on North Side of School	Ext.		Play Areas	N/A		No compliant transfer system	-	Alteration might be technically infeasible.	1	-	\$0

## Carlton Innovation School



City of Salem

ADA Transition Plan

December 2019



Institute for Human Centered Design

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### Carlton Innovation School

#### Background

Carlton Innovation School, located at 10 Skerry Street, is an elementary school for children in kindergarten to fifth grade. Classrooms are divided into grade groups and each classroom typically services children in that grade group. Grade groups are P1- kindergarten, P2- first and second grade, E1- third grade, and E2- fourth and fifth grade. There are, however, FLEX classrooms that serve multiple grade groups of children. The school also hosts an after school YMCA program.

The school building is two (2) stories high and has two (2) staircases and one (1) elevator. Major amenities include a main office, gym, cafetorium which contains a stage, men's and women's toilet rooms, girls' and boys' toilet rooms, a greenhouse, and classrooms. There are 50 parking spaces for visitors and staff in a parking lot on the southeast side of the building; three (3) parking spaces are labeled as accessible. There are 11 exits from the building, including the main entrance, and all of them are accessible.

#### Key Accessibility Issues

##### Signs

Accessibility issues include lack of tactile signs and illuminated signs with the International Symbol of Accessibly (ISA) at egress doors, lack of a designation sign with the words "Van Accessible" at a van accessible parking space, lack of signage with raised characters, braille and the International Symbol of Accessibility (ISA) at the all gender toilet room, and lack of designation signs with raised characters and braille at permanent rooms.

##### Toilet Rooms

Accessibility issues in the women's and men's single-user toilet rooms include lack of the required clear floor space at the toilets

and lack of the required clear floor space at the lavatories due to the placement of desks and other stored items. There is also a lack of the required minimum maneuvering clearance at exit doors due to the location of lavatories.

Accessibility issues at the boys' and girls' toilet rooms include lack of the required clear floor space at the toilets due to the location of trash cans or other stored items, doors at accessible compartments with malfunctioning self-closing hinges, rear grab bars in accessible compartments that are less than the minimum length required, and lavatories with pipes that are not wrapped.

**Note:** The rear grab bars in the boys' and girls' toilet rooms are shorter than the minimum length required in order to prevent interference with the flush control. They are noncompliant but usable, so no cost for a longer compliant rear grab bar is included in the catalog in these instances.

##### Sinks

Many classrooms throughout the school have sinks that lack the required minimum knee and toe clearance for use by children and have plumbing that is not wrapped.

##### Dining and Work Surfaces

The cafetorium lacks an accessible dining surface. Also, classrooms either lack the minimum required number of accessible work surfaces or have work surfaces that are adjustable but are not set to allow for accessible knee and toe clearance.

##### Interior Access Routes

Many classroom doors throughout the building lack the required minimum maneuvering clearance on the pull side due to placement of trash cans, chairs and similar items. Also, many accessible routes through classrooms are not the minimum 36" clear width required. Additionally, mats throughout the school are not securely attached and act as tripping hazards.

## Additional Accessibility Issues

- Lack of an accessible route to and around the Community Garden.
- The shower compartment in the Health Suite is not maintained in operable working condition (shower compartment is filled with stored items).
- Lack of a drinking fountain for seated users in the gym.

## Order of Magnitude Cost Estimates

- Renovate toilet rooms (including providing four (4) power doors): \$9,387
- Provide compliant egress, directional and designation signage: \$2,619
- Renovate seven (7) classroom sinks: \$8,924
- Provide a drinking fountain for a seated user: \$3,021
- Miscellaneous corrective actions (accessible route to and around Community Garden, accessible dining and work surfaces, etc.): \$2,955

**Total: \$26,906**

## Best Practice and Inclusive Design

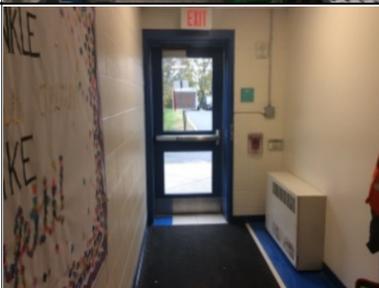
Best practice and inclusive design recommendations include elements that are not required in the standards but may create enhanced experiences for all users.

- At Exit 8, recommend providing a doorbell or two-way communication system to allow visitors to contact the YMCA.
- At curb ramps near the parking lot, recommend providing detectable warnings.
- In the Health Suite, recommend providing a seated scale.
- In the Health Suite, recommend providing an adjustable height bed.
- Recommend providing a raised bed 34" max. high to the top with 27" min. high knee clearance in the Community Garden.

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Community Garden	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 45' by 4' wide stone dust path to and around community garden.)	1	1080	\$1080
<b>Off-Street Parking Lot or Garage</b>												
2	Parking Lot	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Sign does not have the designation "Van Accessible" Total # of designated van accessible spaces	50 2 1 -	Add the designation "Van Accessible" to the sign located at the van accessible space.	1	375	\$375
<b>Entrance</b>												
3	Main Entrance	Ext.		Entrance	Main Entrance		Mat not securely attached Automatic door opener not operable	- -	Securely attach mat. Ensure automatic door opener is on and maintained in operable working condition.	1	Labor	\$0
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
4	Exit #9	Ext.		Means of Egress	N/A		Illuminated exit sign not provided	-	Ensure illuminated exit sign on the interior of the door contains the International Symbol of Accessibility (ISA).	1	150	\$150

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Exit #6 in Stair #2	1		Means of Egress	N/A		Illuminated exit sign not provided	-	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA).	1	150	\$150
6	Exit #3 in Kindergarten Classroom	1	109	Means of Egress	N/A		Illuminated exit sign not provided	-	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA).	1	150	\$150
7	Exit #2 in Kindergarten Classroom	1	102	Means of Egress	N/A		Illuminated exit sign not provided	-	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA).	1	150	\$150
8	Exit #5 in Greenhouse	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs are provided at exits and exit doors. Ensure it contains the International Symbol of Accessibility (ISA). 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	324	\$324
9	Exit #11	1		Means of Egress	N/A		Illuminated exit sign not provided Mat not securely attached	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). Securely attach mat.	1	150	\$150

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Exit #8	1		Means of Egress	N/A		Illuminated exit sign not provided Mat not securely attached	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). Securely attach mat.	1	150	\$150
11	Exit #4 in Stair #1	1		Means of Egress	N/A		Illuminated exit sign not provided Mat not securely attached	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). Securely attach mat.	1	150	\$150
<b>Interior Access Route</b>												
12	Inclusion Classroom	2	260	Interior Access Route	N/A		Route < 36" wide	22"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
13	Reading Room	2	261	Interior Access Route	N/A		Route < 36" wide	29"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
14	Grade 3 Classroom	2	222	Interior Access Route	N/A		Route < 36" wide	18"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

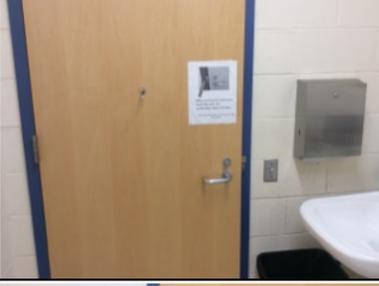
**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Grades 2 and 3 and Grade 1 Math (FLEX Classroom)	1	125	Interior Access Route	N/A		Route < 36" wide Mat not securely attached	26.25" -	Ensure that a clear width of 36" min. is maintained at the accessible route. Securely attach mat.	1	Labor	\$0
16	Main Office	1	164	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
17	Special Education Room	1	175	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
18	Classrooms Throughout the School	1	127, 222	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats.	2	Labor	\$0
19	Math/Marine Environmental Lab	1	113	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Kindergarten Classroom	1	109	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	4	Labor	\$0
21	Inclusion Classroom	2	260	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
22	Reading Room	2	261	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
23	Music Room	2	270	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
24	Faculty/ FLEX Room	2	235	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Doors, Doorways, &amp; Gates</b>												
25	Main Office	1	164	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	14.75"	Move chair to the left in this image so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
26	Health Suite	1	170	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	13.25"	Move bed to the left in this image so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
27	Health Suite, Bathing Room	1	170	Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	13.5"	Remove the clutter in the shower compartment so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
28	Men's Staff Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	6"	Provide an automatic door opener.	1	2295	\$2295
29	Women's Staff Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	6"	Provide an automatic door opener.	1	2295	\$2295

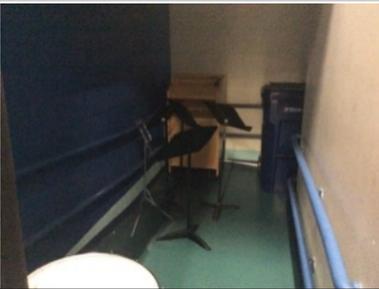
**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Special Education Room	1	175	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Remove clutter behind door and in the maneuvering clearance.	1	Labor	\$0
31	Classrooms Throughout School	1	127, 252, 227, 222	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bins.	4	Labor	\$0
32	Grades 2 and 3 and Grade 1 Math (FLEX Classroom)	1	125	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin.	1	Labor	\$0
33	Kindergarten Classroom	1	109	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate table.	1	Labor	\$0
34	Speech and Language Room	2	253	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	15.5"	Rearrange room so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
35	Inclusion Classroom	2	260	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate clutter so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
36	Reading Room	2	261	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Rearrange room so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
37	Literacy Coach	2	262	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin and storage bin.	1	Labor	\$0
38	OT Room	2	264	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Rearrange room so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
39	Women's Staff Toilet Room	2		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	14.75"	Provide an automatic door opener.	1	2295	\$2295

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
40	All Gender Toilet Room Near 223	2		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	12.5"	Provide an automatic door opener.	1	2295	\$2295
41	Art Room	2	213	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	14.5"	Rearrange room so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
42	Distance Learning Room	2	206	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Rearrange room so as to maintain maneuvering clearance of at least 18" on the pull side of the door.	1	Labor	\$0
43	Music Room	2	270	Doors, Doorways, & Gates	Classroom		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
<b>Ramps</b>												
44	Cafetorium, Route to Stage	1	133	Ramps	Interior		Not maintained in operable working condition	-	Ensure the ramp is maintained in operable working condition by remove stored items from ramp.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
45	Classroom	1	122	Signage	Designation		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille.	1	174	\$174
46	All Gender Toilet Room Near 223	2		Signage	Designation		Raised characters not provided Braille not provided International Symbol of Acc. not compliant	- - -	Provide text with raised characters duplicated in braille for All Gender toilet room sign. Provide sign with raised characters and braille containing the International Symbol of Accessibility (ISA).	2	174	\$348
47	Practice Room in Music Room	2	272	Signage	Designation		Designation sign does not reflect current use		Provide accurate designation sign with raised characters and braille mounted on the latch side of the door. (Designation sign does not reflect long term use of room. It reads "Practice", but the room is being used as storage and as a "Calm Corner").	1	174	\$174
48	Faculty/ FLEX Room	2	235	Signage	Designation		Designation sign does not reflect current use		Provide accurate designation sign with raised characters and braille mounted on the latch side of the door. (Designation sign does not reflect long term use of room. It reads "Faculty", but the room is being used as a classroom for multiple grades.)	1	174	\$174
<b>Operable Parts</b>												
49	Near Main Entrance	Ext.		Operable Parts	Other		Element not on an accessible route	-	Ensure bike rack is located on an accessible route.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Dining or Work Surfaces</b>												
50	Cafetorium	1	133	Dining or Work Surfaces	Dining Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one dining surface is accessible.	1	825	\$825
51	Grades 1 and 2 Classroom	1	127, 222	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22.25"	Adjust at least 1 work surface per room so that it has 24" min. knee and toe clearance.	2	Labor	\$0
52	Greenhouse in Math/ Environmental Lab	1	113	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 24" min. knee and toe clearance.	1	525	\$525
53	Kindergarten Classroom	1	109	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	19.75"	Adjust at least 1 work surface so that it has 24" min. knee and toe clearance.	1	Labor	\$0
54	Small Classroom	2	252	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22.25"	Adjust at least 1 work surface so that it has 24" min. knee and toe clearance.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
55	Grades 4 and 5 Classroom	2	227	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Provide at least 1 work surface with 24" min. knee and toe clearance.	1	525	\$525
56	Reading Area in Library	2	205	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Adjust at least 1 work surface so that it has 24" min. knee and toe clearance.	1	Labor	\$0
<b>Benches</b>												
57	Near Main Entrance	Ext.		Benches	N/A		No accessible route to 20% of benches	-	Relocate 20% of benches (1) to an accessible route.	1	Labor	\$0
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
58	Men's Staff Toilet Room	1		Lavatory	N/A		Clear floor space not provided at lavatory	-	Provide at least one lavatory with a 30" min. by 48" min. clear floor space positioned for a forward approach. Relocate clutter.	1	Labor	\$0
59	Women's Staff Toilet Room	1		Lavatory	N/A		Clear floor space not provided at lavatory	-	Provide at least one lavatory with a 30" min. by 48" min. clear floor space positioned for a forward approach. Relocate clutter.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
60	Boys' Toilet Room in Gym	1	157	Lavatory	N/A		Clear floor space not provided at lavatory	-	Provide at least one lavatory with a 30" min. by 48" min. clear floor space positioned for a forward approach. Relocate stored items/coat rack.	1	Labor	\$0
61	Boys' Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
62	Girls' Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
63	Girls' Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
<b>Single-User Toilet</b>												
64	Men's Staff Toilet Room	1		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. and/or provide sign to accessible toilet. (Relocate desk.)	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
65	Women's Staff Toilet Room	1		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. and/or provide sign to accessible toilet. (Relocate desk.)	1	Labor	\$0
66	Women's Staff Toilet Room	2		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. and/or provide sign to accessible toilet. (Relocate desk.)	1	Labor	\$0
67	All Gender Toilet Room Near 223	2		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. and/or provide sign to accessible toilet. (Relocate desk.)	1	Labor	\$0
68	Health Suite, Bathing Room	1	170	Single-User Toilet	N/A		Clearance at toilet < 72" clear depth	49.5"	Remove storage unit.	1	Labor	\$0
<b>Toilet Compartment</b>												
69	Girls' Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Rear grab bar < 42" long	- 30"	Repair hinge. Provide a rear wall grab bar that is 42" long min. and extends from the toilet 12" min. on one side and 24" min. on the other side (open side).  <b>Note:</b> The rear grab bar is not compliant but is usable.	1	Labor	\$0

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
70	Boys' Toilet Room	2		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Rear grab bar < 42" long	- 30"	Repair hinge. Provide a rear wall grab bar that is 42" long min. and extends from the toilet 12" min. on one side and 24" min. on the other side (open side).  <b>Note:</b> The rear grab bar is not compliant but is usable.	1	Labor	\$0
71	Girls' Toilet Room	2		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Rear grab bar < 42" long	- 30"	Repair hinge. Provide a rear wall grab bar that is 42" long min. and extends from the toilet 12" min. on one side and 24" min. on the other side (open side).  <b>Note:</b> The rear grab bar is not compliant but is usable.	1	Labor	\$0
72	Boys' Toilet Room in Gym	1	157	Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Clearance at toilet < 60" clear width	- -	Repair hinge. Relocate trash can and coat rack out of clear floor space at toilet.  <b>Note:</b> Where a flushometer prevents the location of a 42 inch grab bar, a 36" grab bar is permitted under 521 CMR (MAAB) 30.8.2. The rear grab bar in this instance is 36" long and therefore is compliant.	1	Labor	\$0
73	Girls' Toilet Room in Gym	1	157	Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Clearance at toilet < 60" clear width	- -	Repair hinge. Relocate trash can out of clear floor space at toilet.  <b>Note:</b> Where a flushometer prevents the location of a 42 inch grab bar, a 36" grab bar is permitted under 521 CMR (MAAB) 30.8.2. The rear grab bar in this instance is 36" long and therefore is compliant.	1	Labor	\$0
<b>Shower Compartment</b>												
74	Health Suite, Bathing Room	1	170	Shower Compartment	Roll-In Type		Not maintained in operable working condition	-	Ensure shower compartment is maintained in operable working condition. Relocate storage.	1	Labor	\$0
<b>Toilet Rooms for Children</b>												

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Single-User Toilet</b>												
75	Toilet Room in Kindergarten Classroom	1	109	Single-User Toilet	N/A		Side or rear grab bar < 42" long	36"	<b>Note:</b> Where a flushometer prevents the location of a 42 inch grab bar, a 36" grab bar is permitted under 521 CMR (MAAB) 30.8.2. The rear grab bar in this instance is 36" long and therefore is compliant.	1	0	\$0
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
76	Gym	1	157	Drinking Fountains	N/A		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users or install a Hi-Lo drinking fountain.	1	3021	\$3021
<b>Sink</b>												
77	Faculty/ FLEX Room	2	235	Sink	Classroom		Clear floor space not provided at sink	-	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter.	1	Labor	\$0
78	Classrooms Throughout School	1	127, 125, 227, 222	Sink	Classroom		Clear floor space not provided at sink Toe and knee clearances not provided	- 23.5"	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter. Ensure there is a 25" knee clearance positioned for a forward approach.	4	1265	\$5060

**City of Salem  
Carlton Innovation School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
79	Math/Marine Environmental Lab	1	113	Sink	Classroom		Clear floor space not provided at sink Toe and knee clearances not provided	- 23.5"	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter. Ensure there is a 25" knee clearance positioned for a forward approach.	1	1265	\$1265
80	Art Room	2	213	Sink	Classroom		Clear floor space not provided at sink Toe and knee clearances not provided Exposed plumbing underneath sink	- 23.5" -	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter. Ensure there is a 25" knee clearance positioned for a forward approach. Insulate or otherwise configure pipes at sink.	1	1334	\$1334
81	Music Room	2	270	Sink	Classroom		Toe and knee clearances not provided	23.5"	Ensure there is a 25" knee clearance positioned for a forward approach.	1	1265	\$1265

## Horace Mann Laboratory School



## City of Salem

### ADA Transition Plan

November 2019



Institute for Human Centered Design

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## Horace Mann Laboratory School

### Background

Horace Mann Laboratory School, located at 79 Wilson Street, serves 287 students kindergarten through fifth grades. The building has a main accessible entrance on the north side and exits around the building; there are eight accessible exits including the main entrance/exit.

Horace Mann Laboratory School is a three (3) story building connected by an elevator and interior stairs. The Principal's Office, the nurse's office, parent's lounge, kindergarten computer stations, specialized classrooms (such as Pathways classrooms) and the main office are located on the first floor. A cafeteria, art room, gym, band room, chorus room, ESL classrooms, reading specialist room and offices are located on the second floor. A library, O.T office, inclusion teacher rooms, science labs (A and B), greenhouse, computer lab, speech language room and professional department room are located on the third floor. Additional classrooms and toilet rooms are located on all floors. Exterior amenities include the Robert J. Geswell athletic field (south side of the school) and two playgrounds; one on the southeast side of the school and the second one near the kindergarten classrooms. The parking lot is located on the north side of the school; there are 79 parking spaces including three (3) accessible spaces.

### Key Accessibility Issues

#### Exterior Access Routes

Major accessibility issues include lack of accessible routes to all amenities in the school (seating areas at athletic field, benches, picnic tables, etc.), lack of a compliant accessible route to the garden and around the raised beds (south side of the school), and lack of handrails at the ramp leading to the main entrance.

#### Playgrounds

Accessibility issues include lack of an accessible route to and around the playgrounds and lack of an accessible route to each play component in the playgrounds.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

#### Signage

Accessibility issues include lack of tactile signs (raised and braille characters) at the emergency exits and permanent rooms, lack of illuminated exit signs with the International Symbol of Accessibility (ISA) at the accessible exits, and lack of directional signs at the inaccessible exits to the nearest accessible exits. Other accessibility issues include designation signs not located on the wall adjacent to the latch side of doors and lack of the International Symbol of Accessibility (ISA) at the accessible toilet rooms.

#### Toilet and Bathing Rooms

Accessibility issues include lack of a compliant urinal (toilet room near the cafeteria), toilet mounted higher than the maximum height allowed (toilet room near kindergarten classroom) and the accessible compartment at the men's toilet room at the gym is not maintained in operable working condition (door to the

compartment is not provided). Other accessibility issues include doors with malfunctioning self-closing hinge or noncompliant door hardware and lack of compliant side and/or rear grab bars.

**Note:** The rear grab bars in most of the toilet rooms are shorter than the minimum length required in order to prevent interference with the flush control. They are noncompliant but usable, so no cost for a longer compliant rear grab bar is included in the catalog in these instances.

Additional accessibility issues at the toilet and bathing rooms include shower seats mounted lower than the minimum height allowed and controls mounted higher than the maximum height allowed (boys' and girls' toilet rooms located at the gym).

Accessibility issues in the nurse's toilet room include lack of the minimum clear floor space at the transfer shower and seat and grab bars mounted lower than the minimum height allowed.

#### Classrooms

Accessibility issues include lack of accessible works surfaces (with knee clearance) at some classrooms (including computer lab, reading room specialist, Science Lab B, greenhouse, etc.) and lack of clear floor space, positioned for a forward approach, at sinks because objects are being stored at the clear floor space (Pathways classrooms, 1<sup>st</sup> and 2<sup>nd</sup> grade classrooms and reading room specialist). Other accessibility issues include emergency eyewash handle mounted higher than the maximum height allowed (Science Lab A), lack of knee and toe clearance at the sinks located at the band room, the speech language pathologist and the greenhouse.

#### **Additional Accessibility Issues**

- Lack of drinking fountains for seated or standing users.
- Lack of one accessible parking space and Lack of the designation "Van Accessible" at the sign located at the van accessible parking space.
- Lack of accessible lockers at the lockers located throughout the school.
- Lack of accessible picnic tables.
- Coat hooks mounted higher than the maximum height allowed (gym locker rooms)

#### **Order of Magnitude Cost Estimates**

- Provide accessible routes to all exterior amenities in the school: \$9,755
- Provide compliant handrails (ramps towards the accessible entrance): \$3,420
- Provide work surfaces and dining surfaces with knee clearance (5 work surfaces and 1 dining surface): \$3,675
- Provide compliant egress, designation and directional signs: \$5,846
- Provide accessible sinks (knee/toe clearance band room, speech language pathologist room and greenhouse): \$6,708
- Renovate toilet and bathing rooms: \$6,762
- Provide an accessible route around the playground (stone dust) and to each play component (poured-in-place rubber): \$28,273
- Provide or renovate drinking fountains for seated and standing users: \$6,710
- Miscellaneous corrective actions (parking, hoistway signs at elevator, accessible lockers, etc.): \$3,853

**Total: \$75,002\***

\*Cost to provide a compliant transfer shower compartment in the nurse's room is not included.

#### **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.

- IHCD strongly recommends exploring the possibility of an alternative surface to engineered wood fiber (EWF). Overtime, EWF requires continuous maintenance to ensure the surface is maintained in operable working condition (stable, firm and slip-resistant). In addition, when used in combination with other surfaces required for accessible routes

to play components in Massachusetts, it will present a challenge to prevent level changes at the transition points between EWF and other surfaces, and to keep the accessible routes clear of EWF.

- Recommend providing an adjustable exam table in the nurse's room.
- Recommend replacing the electric outlet where top is flush with the floor to prevent tripping hazard (Science Lab A).
- Recommend adding contrasting strips at the edge of each step at the route leading to the stage.
- Recommend providing a raised bed 34" max. high to the top and 27" min. high knee clearance under in the community garden.

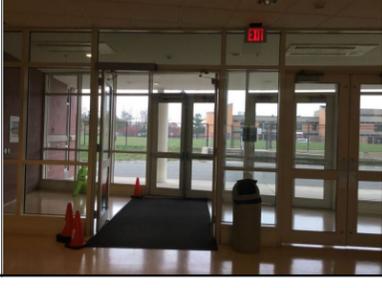
**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Community Garden Southeast Side	Ext		Exterior Access Route	Exterior		Exterior route < 36" wide Surface is not stable, firm, and slip-resistant	29.75" -	Ensure that a clear width of 36" min. is maintained at the accessible route. Repair surface.  (Cost based on 50' by 4' wide stone dust path in garden area.)	1	1200	\$1200
2	Ramp to Main Entrance	Ext		Exterior Access Route	Exterior		Obstructed by protruding objects	-	Trim low hanging branches in trees.	1	Labor	\$0
3	Benches Near Community Garden	Ext		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  See ID #4 cost.	1	-	\$0
4	Route to Community Garden	Ext		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 120' by 4' wide stone dust path to bench, picnic area, and garden.)	1	2880	\$2880
<b>Curb Ramp</b>												
5	Accessible Route to Main Entrance From Parking Lot	Ext		Curb Ramp	N/A		Transition from curb ramp to street not flush Surface not stable, firm and slip-resistant	1" -	Ensure transition from curb ramp to street is flush. Repair surface.	1	155	\$155

**City of Salem**  
**Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Off-Street Parking Lot or Garage</b>												
6	Parking Lot	Ext		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Sign does not have the designation "Van Accessible"	79 3 -	Provide One additional car parking space. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	925	\$925
<b>Entrance</b>												
7	Robert J. Geswell Athletic Field	Ext		Entrance	Gate		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155
8	Playground Near Kindergarten Wing	Ext		Entrance	Gate		Level changes > 1/4"	1"	Alter change in level to be 1/4" high max.	1	155	\$155
<b>Ramps</b>												
9	Ramp to Main Entrance	Ext		Ramps	Exterior			-	Provide handrails with 1 1/4"- 2" circular cross sections or 4"- 6 1/4" non-circular cross sections. Mount handrails between 34"- 38" high above the floor. Provide a lower handrail between 18" to 20" high. (Cost based on two sets of 10' long metal railings.)	4	555	\$2220
10	Ramp at Exit #10, Near Kindergarten Wing	Ext		Ramps	Exterior		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	600	\$1200

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
11	Ramp to Main Entrance	Ext		Ramps	Exterior		Level changes > 1/4"	-	Alter change in level to be 1/4" high max.	1	155	\$155
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
12	Exit #10, Near Room 172	1		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided Mat not securely attached	- - -	Ensure the illuminated exit sign contains the International Symbol of Accessibility (ISA). 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 wall adjacent to the latch side of the door. Securely attach mat.	1	274	\$274
13	Main Entrance, Exit #1	1		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided Mat not securely attached	- - -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount signs between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door. Securely attach mat.	1	274	\$274
14	Exit #5, From Cafeteria	2	241	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided Mat not securely attached	- - -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure a tactile exit sign with raised characters and braille is provided at exit door. Mount signs between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door. Securely attach mat.	1	274	\$274
15	Exit #6, Near Cafeteria	2		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided	- - -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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 wall adjacent to the latch side of the door.	1	274	\$274

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
16	Exit #9, in Gym	2		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door.	1	274	\$274
17	Exit #7, in Gym	2	261	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided Mat not securely attached	- - -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door. Securely attach mat.	1	274	\$274
18	Exit #4, Near Cafeteria	2		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door.	1	274	\$274
19	Exit #3, in Chorus Room	2	207	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door.	1	274	\$274
20	Exit #2, Near Pathways Hallway	1		Means of Egress	N/A		Tactile exit sign not provided	- -	Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door. Provide a directional sign to the nearest accessible exit.	1	174	\$174

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Exit #8, Emergency Exit in Stair #3	2		Means of Egress	N/A		Tactile exit sign not provided	-	Ensure tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the wall adjacent to the latch side of the door.	1	174	\$174
<b>Interior Access Route</b>												
22	Speech, Language Pathologist	3	361	Interior Access Route	N/A		Route < 36" wide	19.5"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
23	Grade 5 ELA/Social Studies Classroom	3	308	Interior Access Route	N/A		Route < 36" wide	20.25"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
24	Route to Greenhouse	3		Interior Access Route	N/A		Route < 36" wide	-	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
25	All Gender Student Multi-User Toilet Room Near Cafeteria	2		Interior Access Route	N/A		Obstructed by protruding objects	-	Relocate dispenser so it does not protrude into the circulation path.	1	192	\$192

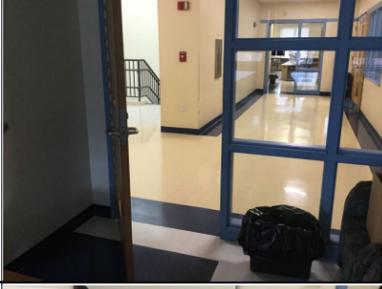
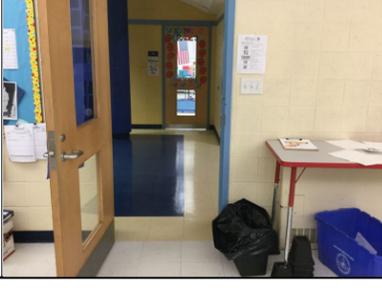
**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Parent Lounge in Pathways Hallway	1	148	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
27	Classrooms Throughout the School	1, 2, 3	170, 248, 214, 346, 316, 314, 308	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats in at least one classroom per grade per topic (i.e. Grade 4 Math/ Science Classroom and Grade 4 ELA/ Social Studies Classroom.)	7	Labor	\$0
28	ESL Classroom, Chorus Room, Inclusion Teacher, Occupational Therapist's Office	2, 3	222, 207, 312, 366	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	4	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
29	Main Office Exit to Nurse's Office	1		Doors, Doorways, & Gates	Circulation		Maneuvering clearance(s) not provided	-	Relocate chair to maintain the maneuvering clearance at the door.	1	Labor	\$0
30	Exam Room in Nurse's Office	1	162	Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	-	Relocate exam table to maintain the maneuvering clearance at the door.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
31	Exam Room in Nurse's Office	1	167	Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	-	Relocate table to maintain the maneuvering clearance at the door.	1	Labor	\$0
32	Kindergarten Classroom	1	170	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
33	Principal's Office	1	157	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate trash can to maintain the clear floor space at the door.	1	Labor	\$0
34	Parent Lounge in Pathways Hallway	1	148	Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	-	Relocate bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
35	Office	2	256	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate shelf to maintain the maneuvering clearance at the door.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
36	Art Room	2	206	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
37	Occupational Therapists Office	3	366	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate trash bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
38	Professional Development Room	3	353	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
39	All Gender Staff Single-User Toilet Room	3		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Relocate trash bin to maintain the maneuvering clearance at the door.	1	Labor	\$0
40	Inclusion Teacher	3	344	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin and table to maintain the maneuvering clearance at the door.	3	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
41	Assistant Principal's Office Inclusion Teacher Science Lab A		324 312 303	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate one chair and trash bin to maintain the maneuvering clearance at the door.	3	Labor	\$0
42	Greenhouse	3		Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	-	Revers the swing of the door and relocate shelves to ensure a 18" min. maneuvering clearance is maintained at the door.	1	1413	\$1413
43	ELL Reading Teacher	3	357	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate table to maintain the maneuvering clearance at the door.	1	Labor	\$0
44	All Gender Student Multi-User Toilet Room Near Cafeteria	2		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
<b>Ramps</b>												
45	Accessible Route to Stage	2	249	Ramps	Interior		Not maintained in operable working condition	-	Ensure the ramp is maintained in operable working condition.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Stairways</b>												
46	Stair #3 to Exit #8	3		Stairways	Interior		Not maintained in operable working condition	-	Ensure stairs are maintained in operable working condition.	1	Labor	\$0
<b>Elevator</b>												
47	Elevator	1		Elevator	Interior		Hoistway signs not on both jambs	-	Provide hoistway signs on both sides of jambs.	3	48	\$144
<b>Signage</b>												
48	Women's Toilet Room in Gym	2	267	Signage	Designation		Raised characters not provided Braille not provided International Symbol of Acc. not compliant	- - -	Provide text with raised characters duplicated in braille. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
49	Men's Toilet Room in Gym	2	261	Signage	Designation		Raised characters not provided Braille not provided International Symbol of Acc. not compliant	- - -	Provide text with raised characters duplicated in braille. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
50	Principal's Office	1	157	Signage	Designation		Clear floor space not provided		Remove bookshelf to maintain the 18" min. by 18" min. clear floor space at sign.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
51	Coaches Room and Art Room	2	203, 206	Signage	Designation		Clear floor space not provided		Relocate chair to maintain the 18" min. by 18" min. clear floor space at the sign.	2	Labor	\$0
52	Nurse's Office	1	165	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign on the wall adjacent to the latch side of the door.	1	Labor	\$0
53	Library	3	360	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign on the wall adjacent to the latch side of the door.	1	Labor	\$0
54	Computer Lab	3	355	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
55	Professional Development Room	3	353	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign on the wall adjacent to the latch side of the door.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
56	Toilet Room in Nurse's Office	1	163	Signage	Designation		International Symbol of Acc. not compliant	-	Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
57	Staff Toilet Room Near Kindergarten	1	176	Signage	Designation		International Symbol of Acc. not compliant	-	Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
<b>Operable Parts</b>												
58	Women's and Men's Toilet Rooms in Gym	2	267, 261	Operable Parts	Other		Clear floor space is not provided Side reach > 54"	- 65"	Relocate at least one coat hook so that controls are between 15" - 48" above finished floor.	1	192	\$192
59	Science Lab A	3	303	Operable Parts	Equipment		Reach < 15" or > 48"(forward/side approach)	62.75"	Relocate emergency eye wash pull string so that it is between 48" max. above finished floor.	1	192	\$192
<b>Dining or Work Surfaces</b>												
60	Dining Table Near Garden	Ext		Dining or Work Surfaces	Dining Surface		Not on a accessible route	-	Ensure dining or work surfaces are located on an accessible route.  See ID #4 for cost.	1	-	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
61	Computer Lab	3	355	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- -	Provide at least 1 work surface with 27" min. knee clearance.	1	525	\$525
62	Kindergarten Classroom	1	170	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	20"	Adjust to ensure work surface provides a 27" min. knee clearance.	1	Labor	\$0
63	Kindergarten Classroom, Computer Station	1	170	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	19"	Adjust to ensure work surface provides a 27" min. knee clearance.	1	Labor	\$0
64	Office	2	256	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Provide at least 1 work surface with 27" min. knee clearance.	1	525	\$525
65	Reading Specialist	2	208	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Adjust to ensure work surface provides a 27" min. knee clearance.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

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66	Classrooms Throughout School	2,3	248, 214, 346, 316, 314, 308	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide or adjust at least one work surface per grade per classroom topic (i.e. Grade 4 Math/Science Room and Grade 4 ELA/ Social Studies Classroom) so that there is 27" min. knee clearance.	6	Labor	\$0
67	Small Learning Room		328	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	21.25"	Adjust to ensure work surface provides a 27" min. knee clearance.	1	Labor	\$0
68	Assistant Principal's Office		324	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25.5"	Provide at least 1 work surface with 27" min. knee clearance.	1	525	\$525
69	Science Lab B	3	306	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23.5"	Provide at least 1 work surface with 27" min. knee clearance.	1	525	\$525
70	Greenhouse	3		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525

**City of Salem  
Horace Mann Laboratory School**

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<b>Locker Room</b>												
71	Lockers Throughout School	1,2,3		Locker Room	N/A		Total # of locker Total # of accessible locker 2% of lockers are not accessible	612 0 -	Provide at least 1 accessible locker (or ensure 2% of all lockers are accessible) .	1	330	\$330
<b>Picnic Tables</b>												
72	Near Garden	Ext		Picnic Tables	N/A		At least 5% accessible spaces not provided Picnic table not on an accessible route	- -	Ensure that at least one picnic table provides knee clearance. Ensure that the picnic table is connected to an accessible route.  See ID #4 for cost of route. (Cost based on one accessible picnic table.)	1	1050	\$1050
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
73	Toilet Room Near Kindergarten	1	169	Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet room.	1	174	\$174
74	Toilet Room Near Kindergarten	1	168	Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with the International Symbol of Accessibility.	1	174	\$174

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
75	All Gender Student Multi-User Toilet Room Near Cafeteria	2		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with the International Symbol of Accessibility.	1	174	\$174
76	All Gender Toilet Rooms Throughout School	1,2,3		Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide signs with the International Symbol of Accessibility.	6	174	\$1044
77	Multi-User Boys' and Girls' Toilet Rooms Throughout School	1,2,3		Overall Access	N/A		International Symbol of Acc. not provided	-	Provide signs with the International Symbol of Accessibility.	6	174	\$1044
<b>Lavatory</b>												
78	Women's Toilet Room in Gym, Single-User Bathing Room	2	265	Lavatory	N/A		Toe or knee clearances not provided	-	Provide at least one lavatory with knee and toe clearance positioned for a forward approach by relocating shoe bin.	1	Labor	\$0
<b>Single-User Toilet</b>												
79	Staff Toilet Room Near Kindergarten	1	176	Single-User Toilet	N/A		Side or rear grab bar < 33" or > 36" high	21"	Mount grab bars 33"- 36" above the floor.	2	192	\$384

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
80	Women's and Men's Toilet Rooms in Gym, Single-User Toilet Rooms	2	265, 263	Single-User Toilet	N/A		Side grab bar < 42" long Rear grab bar < 42" long	38" 39"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Provide a rear wall grab bar that is 42" long min. and extends from the toilet 12" min. on one side and 24" min. on the other side (open side).	2	674	\$1348
<b>Toilet Compartment</b>												
81	Boys' Multi-User Toilet Room <b>No Door</b>	3		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	18	\$18
82	Girls' Toilet Rooms	1,2		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	18	\$18
83	All Gender Student Multi-User Toilet Room Near Cafeteria	2		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
84	Girls' Multi-User Toilet Room	3		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
85	All Gender Staff Multi-User Toilet Room Near Cafeteria	2		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
86	Women's Toilet Room in Gym, Accessible Compartment	2	267	Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
87	Boys' Toilet Rooms	1,2		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
88	Men's Toilet Room in Gym, Accessible Compartment	2	261	Toilet Compartment	Accessible Compartment		Not maintained in operable working condition	-	Add door to compartment to ensure accessible compartment is maintain in operable working condition.	1	165	\$165
<b>Urinal</b>												
89	All Gender Staff Multi-User Toilet Room Near Cafeteria	2		Urinal	N/A		Rim > 17" high Urinal recessed > 24" deep has > 36" clear width	19" 32.5"	Provide an urinal with the rim no higher than 17" above the finished floor. If urinal is recessed greater than 24" ensure there is a clear width of 36".	1	2628	\$2628

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Shower Compartment</b>												
90	Toilet Room in Nurse's Office	1	163	Shower Compartment	Transfer Type		Clear space not provided at transfer shower Grab bars < 33" > 36" high Seat is not between 17"- 19" high	- 26" 14"	Ensure that a 36" wide min. by a 48" long min. measured from the control wall is provided at the shower. Locate grab bars between 33"- 36" above the finished floor. Mount seat between 17"- 19" above the finished floor.  Renovation to this transfer shower might be technically infeasible.	1	-	\$0
91	Women's and Men's Toilet Rooms in Gym, Single-User Bathing Rooms	2	265, 263	Shower Compartment	Transfer Type		Seat is not between 17"- 19" high Control height < 38" or > 48"	13.5" 52"	Mount seat between 17"- 19" above the finished floor. Relocate controls at 48" max. above the shower floor.	1	384	\$384
<b>Toilet Rooms for Children</b>												
<b>Single-User Toilet</b>												
92	Toilet Room Near Kindergarten	1	168	Single-User Toilet	N/A		Toilet seat < 12" or > 15" high (K - 3) Centerline < 12" or > 15" (K - 3)	16.5" 18.5"	Install a toilet with a seat between 12"- 15" high above the finished floor. Relocate toilet so that the centerline is between 12" and 15" from the side wall.	1	1625	\$1625
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
93	Near Pathways Hallway	1		Drinking Fountains	High		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users.	1	3021	\$3021

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
94	Gym	2		Drinking Fountains	High		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users or install a Hi-Lo drinking fountain.	1	3021	\$3021
95	Cafeteria	2	241	Drinking Fountains	Hi-Lo		Standing height fountain does not have cane protection	-	Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
<b>Sink</b>												
96	Exam Room in Nurse's Office	1	166	Sink	N/A		Toe and knee clearances not provided	-	Remove step stool to maintain the 27" min, knee clearance at the sink.	1	Labor	\$0
97	Reading Specialist	2	208	Sink	Classroom		Toe and knee clearances not provided	-	Relocate step stool to maintain the 27" min. knee clearance at the sink.	1	Labor	\$0
98	Band Room	2	211	Sink	Classroom		Toe and knee clearances not provided	-	Remove based cabinet to provide a 27" knee clearance positioned for a forward approach.	1	930	\$930

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
99	Speech, Language Pathologist	3	361	Sink	N/A		Toe and knee clearances not provided	-	Relocate sink to provide 27" min. knee clearance under the sink with 30" min. width. Ensure the counter is 34" max. above the finished floor.	1	4513	\$4513
100	Greenhouse	3		Sink	Lab		Toe and knee clearances not provided	-	Provide a second sink with 27" knee clearance positioned for a forward approach.	1	1265	\$1265
101	Exam Room in Nurse's Office	1	162	Sink	N/A		Exposed plumbing underneath sink Dispenser not within reach range	- 51"	Reposition wooden barrier to ensure pipes at sink are insulated. Relocate cup dispenser 48" max. above the finished floor or ground.	1	192	\$192
<b>Sinks for Children's Use</b>												
102	Kindergarten Classroom	1	170	Sinks for Children's Use	Classroom		Knee or toe clearance not provided	-	Relocate recycling bin to maintain the 27" min. knee clearance at the sink.	1	Labor	\$0
103	Grade 1 and Grade 2 Classrooms	2	248, 214	Sinks for Children's Use	Classroom		Knee or toe clearance not provided	-	Provide at least one sink with 25" knee and toe clearance positioned for a forward approach by removing clutter from under sink.	2	Labor	\$0

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
104	Pathways Classroom	1	140	Sinks for Children's Use	Classroom		Parallel clear space not provided (5 yrs. old or younger)	-	Relocate step stool to maintain the clear floor space at the sink.	1	Labor	\$0
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
105	Playground Southeast Side of School	Ext		Play Areas	N/A		Accessible route not provided to ground level play components	-	Ensure an accessible route is provided to one of each type of ground level play components  (Cost based on 115' of 5' wide poured in place rubber routes to play elements.)	1	8050	\$8050
106	Playground Near Kindergarten Wing	Ext		Play Areas	N/A		Accessible route not provided to ground level play components	-	Ensure an accessible route is provided to one of each type of ground level play components  (Cost based on 145' of 5' wide poured in place rubber to play elements.)	1	10150	\$10150
107	Playground Near Kindergarten Wing	Ext		Play Areas	N/A		No compliant transfer system	22.25"	Alteration might be technically infeasible.	1	-	\$0
108	Playground Southeast Side of School	Ext		Play Areas	N/A		Not connected to an accessible route	-	Provide an accessible route around the playground.  (Cost based on 185' of 4' wide, level asphalt surface around playground.)	1	4718	\$4718

**City of Salem  
Horace Mann Laboratory School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
109	Playground Near Kindergarten Wing	Ext		Play Areas	N/A		Not connected to an accessible route	-	Provide an accessible route around the playground.  (Cost based on 210' of 4' wide asphalt path around playground.)	1	5355	\$5355
<b>Benches</b>												
110	Playground Near Kindergarten Wing	Ext		Benches	N/A		Accessible route not provided	-	Provide an accessible route to at least one of the benches in this area.  See ID #111 for cost.	1	-	\$0
<b>Field</b>												
111	Robert J. Geswell Athletic Field	Ext		Field	Soccer		Accessible spaces not provided at sidelines seating Not connected to an accessible route	- -	Provide a 36" min. x 48" min. clear floor space at sidelines seating. Ensure sidelines seating is connected to an accessible route.  (Cost based on two concrete clear floor spaces at sidelines seating and 115' concrete route to both benches.)	1	5520	\$5520

## Bates Elementary School



City of Salem

ADA Transition Plan

November 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

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### Bates Elementary School

Year Built: 1969

Year Renovated: 2001

#### Background

Bates Elementary School, located at 53 Liberty Hill Avenue, is for children from kindergarten to 5<sup>th</sup> grade. The school is three (3) stories high, with a basement level as well as Floors 1 and 2.

There is an elevator near the main entrance on the north side of the school that allows access to all three (3) floors, and another elevator near the center of the school that has been taken out of commission.

The cafeteria and accessible stage are located on the basement floor along with a few classrooms. The music room, gym, main office, health suite, and classrooms are located on the first floor, and the library and additional classrooms are located on the second floor. Amenities outside include two (2) playgrounds, two (2) basketball courts, and two (2) parking lots.

There are 16 emergency exits in the building, 11 of which are accessible including the main entrance. Parking is provided on the east and west side of the school. The east parking lot has approximately 7 spaces including four (4) designated accessible spaces. The west lot has 58 spaces and there are currently no designated accessible spaces. This lot is also a parking lot for Salem residents during Salem snow emergencies.

#### Key Accessibility Issues

##### Parking

The parking lot on the west side of the building lacks the required number of accessible spaces. Due to its size, it requires two (2) car accessible spaces and one (1) van accessible space. The parking lot on the east side of the school lacks an access aisle that is at least 96" wide at the van space as well as the

designation "Van Accessible" on the parking sign for the northern most space.

##### Emergency Exits

In the school, all of the emergency exits lack tactile signage indicating them as exits. Additionally, the accessible exits lack illuminated exit signs that contain the International Symbol of Accessibility (ISA), and inaccessible exits lack directional signage indicating the location of the nearest accessible exit.

##### Interior Routes

Throughout the school, classrooms have mats that are not properly secured. Additional issues include a lack at least 36" width in circulation paths in classrooms, where most of these issues are due to clutter or storage that do not allow for 36" wide paths. Stored objects are also placed in the maneuvering clearances for many classroom doors. There are also hanging objects, like lanterns, that act as protruding objects in multiple classrooms.

##### Work Surfaces

There are a number of classrooms that lack an accessible work surface with a minimum 27" knee clearance to the bottom of the table. There are also many classrooms that have adjustable tables that are not set to allow for the required knee clearance.

##### Sinks

Many classrooms throughout the school have sinks of an accessible design, but have been obstructed by clutter or storage. This prevents someone with mobility limitations from properly utilizing the sinks.

##### Play Areas

The north playground, near the basketball courts, lacks a route around the playground as well as an impact resistant route to each of the play components. This playground also lacks a compliant transfer station.

The south playground is technically compliant, but an issue was brought to the IHCD survey team's attention by a concerned parent. It seems as though the curbs that cut through the middle

of the playground act as a serious tripping and safety hazard (see Fig. 1). As it is in the middle of the playground, children might be running from one side to the other and could fall if they are not fully aware of the curbs. IHCD strongly recommends looking into a possible solution to this issue, such as redesigning the area or using more poured in place rubber.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

#### Toilet Rooms

The major accessibility concern in the toilet rooms is the side grab bars in many of the multi-user toilet rooms' accessible compartments that connect to the ground and are not of a compliant length. In some instances, the toilet paper dispensers have been placed out of reach range because of the grab bars. Other issues include lack of knee and toe clearance at lavatories, exposed plumbing under lavatories, and toilet centerlines that are not at 18" from the side wall.

#### **Additional Accessibility Issues**

- Counter in the main office is more than 36" high and lacks a lowered section.
- Books and other stored supplies located out of reach range.
- Lack of an accessible picnic table located on an accessible route on the north side of the school.
- A number of designation signs in the school are not located on the latch side of the doors.

#### **Order of Magnitude Cost Estimates**

- Exterior route renovations: \$4,643
- Parking lot renovations: \$4,764
- Provide compliant egress signage: \$4,492

- Six (6) work surfaces with knee clearance: \$3,150
- Toilet room renovations: \$22,867
- Provide accessible drinking fountains: \$3,830
- Playground renovations: \$25,275
- Miscellaneous corrective actions (including protruding objects, service counters, etc.): \$4,759

**Total: \$73,780**

#### **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.

- Consider relocating benches near the south playground so that shoulder alignment is available by ensuring that the 30" by 48" clear floor space spans at least 12" from the back of the benches.
- At Emergency Exit #10, consider providing an informational sign on the inside of the door indicating the conditions of the exit on the exterior (stairs leading away from building).
- At Emergency Exit #12 and 13, recommend repairing surface so that transition from concrete safety area to asphalt is flush.
- In Room 005, consider providing additional seating that is on an accessible route.
- In Music Room 012, consider providing handrails and edge protection on risers.
- In Music Room 012 at the staircase, consider providing directional signage indicating the location of the accessible route to the second floor practice area.
- While there is a notice posted on some of the old elevator doors, IHCD recommends posting the notices on all three floors to ensure that the public is aware that the elevator is out of service. IHCD also recommends providing

- directional signage indicating the location of the working elevator on all three floors.
- Recommend ensuring that in all stairwells, all sets of handrails have extensions that extend 12" beyond the last top riser and one tread depth past the bottom riser.

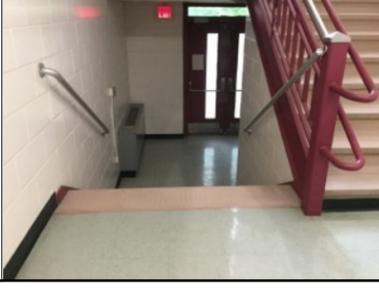
**Fig. 1** Tripping Hazard on South Playground



**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Route to Basketball Court 2	Ext.		Exterior Access Route	Exterior		Surface openings > 1/2"	3"	Repair surface.	1	27	\$27
2	Bike Rack Near Basketball Court 1	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 15' by 4' wide asphalt route to bike rack.)	1	383	\$383
<b>Curb Ramp</b>												
3	Southeast Corner of School	Ext.		Curb Ramp	N/A		Curb ramp not provided	-	Provide a curb ramp at intersection.	1	2800	\$2800
<b>Off-Street Parking Lot or Garage</b>												
4	Parking Lot on West Side of School	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	58 0 - - -	Provide two (2) car accessible spaces and one (1) van accessible space. Provide a marked access aisle that is at least 60" wide. for the car spaces to share and one that is 96" wide for the van space. 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" at the van accessible space.	3	1388	\$4164

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Accessible Parking Spaces Near Main Entrance	Ext.		Off-Street Parking Lot or Garage	N/A		Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible"	93" -	Provide a marked access aisle that is at least 96" wide. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	600	\$600
<b>Entrance</b>												
6	Stairs to Basketball Courts and Playground on North Side of School	Ext.		Entrance	N/A		Directional sign to accessible entrance not provided	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
7	Emergency Exit 9	Ext.		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit not provided	- -	Ensure tactile exit signs on the interior of the door have 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 a directional sign on the inside indicating the location of the nearest accessible emergency exit.	1	348	\$348
8	Emergency Exit 14, Near Cafeteria	B		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit 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. Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348
9	Route to Emergency Exit 4	1		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit 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. Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348

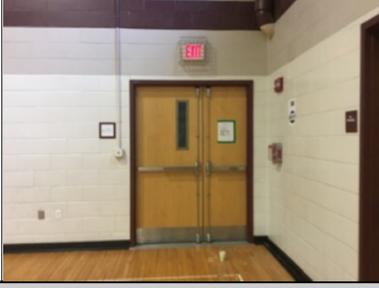
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
10	Emergency Exit 8	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
11	Emergency Exit 15	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
12	Emergency Exit 16	Ext.		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior of the door have 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. Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA).	1	274	\$274
13	Emergency Exit 11	B	012	Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
14	Emergency Exit 12, Near Stage	B		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Emergency Exit 10, in Music Room	1	130	Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
16	Emergency Exit 7	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
17	Route to Emergency Exit 5	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
18	Emergency Exit 5	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
19	Emergency Exit 6	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- - -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Main Entrance, Exit 1	1		Means of Egress	N/A		Tactile exit sign not provided Illuminated exit sign lacks International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
21	Exit From Gym to Emergency Exit 12 in Basement	1		Means of Egress	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	174	\$174
<b>Interior Access Route</b>												
22	Classroom, Book Nook	2	202	Interior Access Route	N/A		Route < 36" wide	30" -	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
23	Classroom	2	202	Interior Access Route	N/A		Route < 36" wide	19"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
24	Classroom	2	205	Interior Access Route	N/A		Route < 36" wide	17.5"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

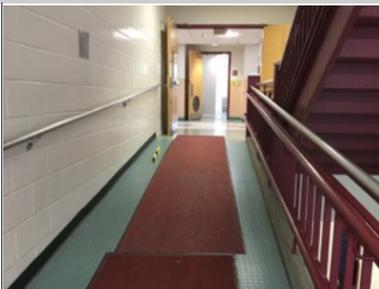
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
25	Classroom, Fifth Grade	2	210	Interior Access Route	N/A		Route < 36" wide	25"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
26	Classroom	2	209	Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
27	Classroom, Fourth Grade	2	217	Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
28	ELA Classroom	2	206	Interior Access Route	N/A		Obstructed by protruding objects	76"	Relocate sign in doorway so that it is at least 80" above the finished floor.	1	Labor	\$0
29	Main Office	1	100	Interior Access Route	N/A		Obstructed by protruding objects	7"	Relocate object out of circulation path.	1	530	\$530

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Classroom	1	107	Interior Access Route	N/A		Obstructed by protruding objects	69"	Relocate lanterns so that that are at least 80" above the finished floor.	1	Labor	\$0
31	Classrooms Throughout School	2, 1, B	203, 205, 209, 213, 215, 217, 05, 104, 107, 110	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats.	16	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
32	Main Office Into Hallway	1	100	Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Remove the chair away from the required maneuvering clearance at the door.	1	Labor	\$0
33	Health Suite	1	127	Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Relocate the cart away from the required maneuvering clearance at the door.	1	Labor	\$0
34	Toilet Room Near 127	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Relocate trash can to another wall at the same height away from the required maneuvering clearance at the door.	1	530	\$530

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
35	Toilet Room Near 127	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	14"	While not technically compliant, this doorway is still usable.	1	-	\$0
36	Classroom	1	104	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the cabinet away from the required maneuvering clearance at the door.	1	Labor	\$0
37	Classroom, First Grade	1	119	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the cabinet away from the required maneuvering clearance at the door.	1	Labor	\$0
38	Locker Room Entrance	1		Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Provide an automatic door opener.	1	2295	\$2295
<b>Ramps</b>												
39	Ramp to Emergency Exit 7	1		Ramps	Interior		Running slope >1:12 (8.33%) Mat not securely attached	9.8% -	Repair to this ramp might be technically infeasible. Securely attach mat.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Elevator</b>												
40	Elevator	1		Elevator	Interior		Raised characters / braille not provided on cabin controls	-	Ensure that raised character and braille designations are placed immediately to the left of the control button to which the designations apply. Ensure they align with the currently used floor plan.	1	360	\$360
<b>Signage</b>												
41	Bilingual Reading Room	2	207	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
42	Art Room	2	208	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
43	Art Room to Kiln Room	2	208	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
44	Music Ensemble Room and Music Office	B	009, 013	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

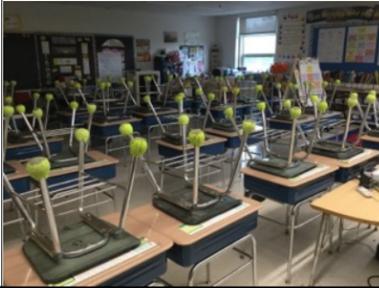
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
45	Office	1	128	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
46	Boys' Toilet Room	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.	1	Labor	\$0
47	Classroom	1	113	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
48	Classroom	1	108	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
<b>Service Counter</b>												
49	Main Office	1	100	Service Counter	N/A		Counter > 36" high	42"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Operable Parts</b>												
50	Emergency Shower	2	211	Operable Parts	Other		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at emergency eye wash station.	1	Labor	\$0
51	Classroom, Book Nook	2	202	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
52	Classroom	2	209	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	64"	Relocate hooks so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
53	Classroom, Third Grade	2	213	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
54	Classroom, Fourth Grade	2	215	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	5"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
55	Classroom, First Grade	1	119	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	68"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
56	Boys' and Girls' Locker Rooms	1		Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	66.5"	Relocate at least one hook per room so that controls are between 15"- 48" above finished floor.	2	192	\$384
<b>Dining or Work Surfaces</b>												
57	Classrooms Throughout School	2, 1, B	202, 210, 213, 215, 217, 005	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface per room is accessible with 27" minimum knee and toe clearance.	6	525	\$3150
58	Classrooms Throughout School	2, 1	203, 124, 104, 118, 107	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Adjust at least 1 work surface per room so that they have 27" min. knee and toe clearance.	5	Labor	\$0
59	Classroom	1	110	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22.5"	Adjust work surface so that it has 27" min. knee and toe clearance.	1	Labor	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
60	Assistant Principle's Office	1	126	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided Mat not securely attached	26" -	Adjust table so that it has minimum 27" knee clearance underneath. Securely attach mat.	1	Labor	\$0
<b>Picnic Tables</b>												
61	North Side of School	Ext.		Picnic Tables	N/A		At least 5% accessible spaces not provided Picnic table not on an accessible route	- -	Ensure that at least 5% (minimum one) of dining surfaces are accessible. Ensure that the dining surface is connected to an accessible route.  (Cost based on an accessible picnic table and a 15' by 4' wide asphalt path to the picnic area.)	1	1433	\$1433
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
62	Girls' Toilet Room	1		Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	25" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334
63	Boys' Toilet Room	1		Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	24.5" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334
64	Toilet Room Near 109	1	113	Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	25.5" -	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	1334	\$1334

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
65	Girls' Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
66	Boys' Toilet Room	2		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
67	Girls' Toilet Room	B		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
68	Health Suite, Toilet Room	1	127	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
69	Toilet Room in 116	1	116	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69

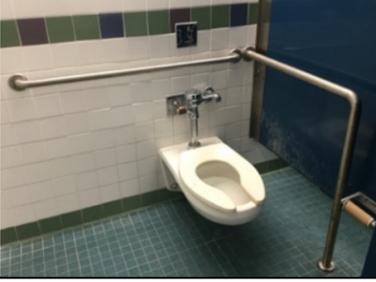
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
70	Boys' Toilet Room	B		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
71	Women's Toilet Room Near 218	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
72	Men's Toilet Room Near 218	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
<b>Single-User Toilet</b>												
73	Women's Toilet Room Near 218	2		Single-User Toilet	N/A		Centerline < or > 18" (MAAB)	20"	Relocate toilet so that the centerline is 18" from the side wall.	1	2121	\$2121
74	Men's Toilet Room Near 218	2		Single-User Toilet	N/A		Centerline < or > 18" (MAAB)	20"	Relocate toilet so that the centerline is 18" from the side wall.	1	2121	\$2121

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
75	Toilet Room in 113	1	113	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 22"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
76	Toilet Room in 115	1	115	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 22"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
77	Toilet Room in 116	1	116	Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high	15" 24"	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor.	1	2313	\$2313
<b>Toilet Compartment</b>												
78	Girls' Locker Room Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
79	Boys' Toilet Room	B		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long	30"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall.	1	674	\$674

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
80	Girls' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
81	Boys' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
82	Girls' Toilet Room	B		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	30" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
83	Girls' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	31" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204
84	Boys' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser	31" -	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	1204	\$1204

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Shower Compartment</b>												
85	Health Suite, Toilet Room	1	127	Shower Compartment	Transfer Type		Accessible shower not provided	-	Provide at least one accessible shower by ensuring it is maintained in operable working condition and is free of clutter.	1	Labor	\$0
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
86	Gym	1		Drinking Fountains	High		Inadequate water flow No drinking fountain provided for seated users	- -	Install a Hi-Lo drinking fountain.	1	3162	\$3162
87	Drinking Fountains Near Main Staircase	B	005	Drinking Fountains	Hi-Lo		Standing height fountain does not have cane protection	-	Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
<b>Sink</b>												
88	Classroom	2	202	Sink	Classroom		Clear floor space not provided at sink Sink not on a accessible route	- -	Provide a 30" by 48" clear floor space positioned for a forward approach. Ensure the sink is on an accessible route.	1	Labor	\$0

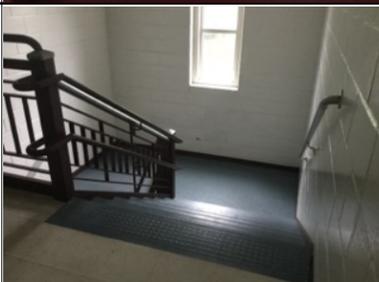
**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
89	Health Suite	1	127	Sink	N/A		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach by removing clutter.	2	Labor	\$0
90	Classrooms Throughout School	2, 1	210, 208, 213, 215, 130, 104, 119, 118	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach by removing storage and other clutter under the sink. Ensure sinks have a minimum 30" by 48" clear floor space as well.	8	Labor	\$0
91	Bilingual Reading Room	2	207	Sink	Classroom		Sink not on a accessible route	-	Ensure the sink is on an accessible route.	1	Labor	\$0
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
92	Playground on North Side of School	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components	-	Ensure an accessible route is provided to one of each type of ground level play components  (Cost based on 250' by 4' wide asphalt route around playground as well as 1880' by 5' wide poured in place rubber route to play components.)	1	25275	\$25275
93	Playground on North Side of School	Ext.		Play Areas	N/A		No compliant transfer system	-	Alteration might be technically infeasible.	1	-	\$0
<b>Best Practice</b>												

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
94	Accessible Parking Spaces Near Main Entrance	Ext.							Good example of inclusive design solution that ensures easy access into the building.	1	-	\$0
N/A												
95	Benches Near Playground on South Side of School	Ext.		N/A	N/A				Consider relocating benches so that shoulder alignment is available by ensuring that the 30" by 48" clear floor space spans at least 12" back from the back of the benches.	1	0	\$0
96	Emergency Exit 10	Ext.		N/A	N/A				Consider providing informational sign on the inside of the door indicating the conditions of the exit on the exterior (stairs leading away from building.)	1	0	\$0
97	Emergency Exit 12	Ext.		N/A	N/A				Recommend repairing surface so that transition from concrete safety area to asphalt is flush.	1	0	\$0
98	Emergency Exit 13	Ext.		N/A	N/A				Recommend repairing surface so that transition from concrete safety area to asphalt is flush.	1	0	\$0

**City of Salem  
Bates Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
99	After School Room	B	005	N/A	N/A				Consider providing additional seating that is on an accessible route.	1	0	\$0
100	Music Room	B	012	N/A	N/A				Consider providing handrails and edge protection.	1	0	\$0
101	Music Room	B	012	N/A	N/A				Consider providing directional signage indicating the location of the accessible route to the second floor practice area.	1	0	\$0
102	Old Elevator Near Center of School			N/A	N/A				While this notice is posted on some of the old elevator doors, IHCD recommends posting them on all three floors to ensure that the public is aware that the elevator is out of service.  IHCD also recommends providing directional signage indicating the location of the working elevator on all three floors.	1	0	\$0
103	Stairs Throughout School	1		N/A	N/A				Recommend ensuring that in all stairwells, all sets of handrails have extensions that go 12" beyond the last top riser and one tread depth past the bottom riser.	1	0	\$0

## Bentley Academy Charter School



City of Salem

ADA Transition Plan

December 2019



Institute for Human Centered Design

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### Bentley Academy Charter School

#### Background

Bentley Academy Charter School, located at 25 Memorial Drive, is for children from kindergarten to 5<sup>th</sup> grade. This school is also the location of an Early Childhood Education Center, which is based on the first floor. The school has two (2) floors and is connected by stairs and an accessible elevator.

Along with the Early Childhood Education Center, the first floor contains the gym, library, cafetorium, classrooms, and single-user and multi-user toilet rooms. The second floor also contains multi-user toilet rooms as well as additional classrooms.

There are 23 emergency exits in the building, 21 of which are accessible including the main entrance. There are 98 parking spaces distributed between two parking lots for visitors and staff; five (5) parking spaces are labeled as accessible.

**Note:** Some areas of the school could not be fully surveyed by the IHCD survey team because staff was waxing the floors at the time of the survey. The issues captured in this report reflect common issues and can serve as a guide to areas that could not be surveyed by IHCD.

**Note:** On the day of the survey IHCD team observed portable toilets in the west parking lot, but IHCD was told that their presence is not a regular occurrence. IHCD is not including a cost to provide an accessible portable toilet in that location.

#### Key Accessibility Issues

##### Parking

The parking lot on the northeast side of the school lacks a compliant access aisle at the van accessible space as well as a sign with the International Symbol of Accessibility (ISA) and the designation "Van Accessible." The lot on the west side of the school lacks a compliant access aisle and the designation "Van

Accessible." Additionally, there was a dumpster in one of the accessible spaces at the time of the survey.

##### Exterior Access Routes

There are multiple instances where there is a 2"- 3" change in level at or near the emergency exits, especially the ones that lead to the kindergarten playground. There is also a lack of a curb ramp on both sides of the crosswalk at Szetela Lane to Settlers Way, and the curb ramp at the main entrance, Exit #2 is not flush with the street.

##### Emergency Exits

All of the emergency exits lack tactile signage indicating them as exits. Additionally, the accessible exits lack illuminated exit signs that contain the International Symbol of Accessibility (ISA), and inaccessible exits lack directional signage indicating the location of the nearest accessible exit.

##### Interior Routes

Throughout the school, classrooms have mats that are not properly secured. Some classroom doors lack maneuvering clearance and are recessed more than 8" deep.

##### Work Surfaces

There are a number of classrooms that lack an accessible work surface that is adjusted to the minimum 24" knee clearance to the bottom of the table.

##### Sinks

The sinks in the Music Room and the Health Office both lack knee clearance due to cabinetry underneath.

##### Toilet Rooms

Accessibility issues in the toilet rooms that were common include lack of insulated pipes under lavatories, non-compliant door hardware on accessible compartments, and mirrors located higher than 40" above the floor. Other issues include flush controls not on the open/transfer side of the toilet, grab bars not properly mounted, and urinals located too high.

There were also single-user toilet rooms in the early education rooms, and some elements, such as the grab bar height, used

the child sized standards. However, other elements, such as the toilet centerline, did not comply with those standards. This means that the elements that do not comply must be changed in accordance with the existing child requirements.

**Note:** The multi-user toilet rooms on the second floor near room 205 could not be surveyed due to cleaning staff waxing the floors in the area at the time of the survey.

#### Designation Signage

Designation signs throughout the building lack braille.

#### Play Areas

At the kindergarten playground, there is a lack of an accessible route to the play components.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

### **Additional Accessibility Issues**

- Lack of drinking fountains for standing users.
- Transition at curb ramp near main entrance is not flush with the ground.

### **Order of Magnitude Cost Estimates**

- Renovate exterior routes: \$12,006
- Parking lot renovations: \$1,200
- Provide compliant egress door signage: \$9,751
- Provide interior designation signage with braille: \$11,310
- Drinking fountains for standing users: \$18,690
- Toilet room renovations: \$18,303
- Playground renovations: \$17,108

- Miscellaneous corrective actions (including automatic door openers, work surfaces, etc.): \$8,695

**Total: \$97,063**

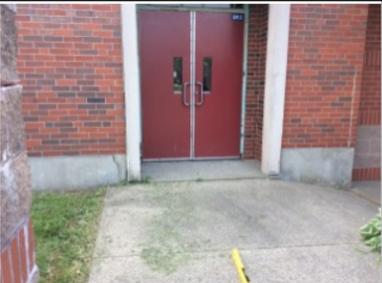
### **Best Practice and Inclusive Design**

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

- Near the main entrance, recommend connecting the crosswalk to an accessible route.
- Near the west parking lot, recommend rotating the clothing donation bin 90 degrees counterclockwise so there is clear floor space and a better reach range at the bin.
- If locker rooms are to be used by students, ensure the rooms are clear of clutter and storage. Also recommend ensuring that at least 5%, but not less than 1, of lockers in each locker room are accessible.
- At the Early Childhood Staff Room, recommend providing clear informational signage about the use of this room.
- In the health office, consider providing an adjustable height bed.
- In the health office, recommend providing a seated scale.
- At Exit #4, recommend providing handrails.
- At doors leading to the courtyard, recommend providing informational signage that says "Exit to Courtyard" so people are aware that these exits do not lead away from the building.
- IHCD strongly recommends exploring the possibility of an alternative surface to engineered wood fiber (EWF). Overtime, EWF requires continuous maintenance to ensure the surface is maintained in operable working condition (stable, firm and slip-resistant). In addition, when used in combination with other surfaces required for accessible routes to play components in Massachusetts, it will present a challenge to prevent level changes at the

transition points between EWF and other surfaces, and to keep the accessible routes clear of EWF.

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Route From Accessible Parking Northeast Side to Memorial Drive	Ext.		Exterior Access Route	Exterior		Exterior route < 48" wide	25"	Ensure that a clear width of 48" min. is maintained at the accessible route by trimming trees.	1	Labor	\$0
2	Crossing at Exit to Early Childhood Drop Off Area, Along Memorial Drive	Ext.		Exterior Access Route	Exterior		Surface openings > 1/2"	-	Replace or reposition so that openings are 1/2" max. and the long opening dimension is perpendicular to the dominant direction of travel.	1	1238	\$1238
3	Exit #3	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	1.5"	Alter change in level to be 1/4" high max.	1	155	\$155
4	Route to Parking Lot From Memorial Drive	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	2"	Alter change in level to be 1/4" high max. (Cost based on 20' of concrete.)	1	690	\$690
5	Exits #10 and #11	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Exits #12 and #13	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3.5"	Alter change in level to be 1/4" high max.	2	155	\$310
7	Near Exit #14, Route to Playground	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155
8	Exits #15 and #16	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155
9	Exits #17 and #18	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155
10	North of Crossing at Exit to Early Childhood Drop Off Area, Along Memorial Drive	Ext.		Exterior Access Route	Exterior		Surface is not stable, firm, and slip-resistant	-	Repair surface.	1	155	\$155

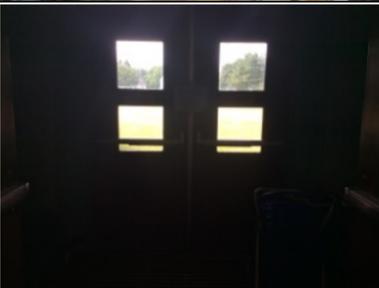
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Curb Ramp</b>												
11	Crossing Szetela Lane to Settlers Way	1		Curb Ramp	N/A		Curb ramp not provided	-	Provide a curb ramp at intersection.	2	2800	\$5600
12	Main Entrance, Exit #2	Ext.		Curb Ramp	N/A		Transition from curb ramp to street not flush	3"	Ensure transition from curb ramp to street is flush or free of changes in level.	1	128	\$128
<b>Off-Street Parking Lot or Garage</b>												
13	Parking Lot Northeast Side	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Access aisle < 96" wide at van space Sign not provided Sign does not have the designation "Van Accessible"	23 2 0 90" - -	Provide a marked access aisle that is at least 96" 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 located at the van accessible space.	1	600	\$600
14	Parking Lot West Side	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible" Surface not stable, firm, and slip-resistant	75 3 0 48" - -	Provide a marked access aisle that is at least 96" wide. Add the designation "Van Accessible" to the sign located at the van accessible space. Relocate dumpster.	1	600	\$600
<b>Passenger Loading Zones</b>												
15	Early Childhood Center Drop Off Zone	Ext.		Passenger Loading Zones	N/A		Zone not connected to an accessible route	-	Ensure the passenger loading zone is connected to an accessible route by providing curb ramp.	1	2800	\$2800

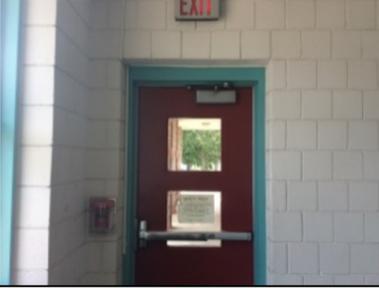
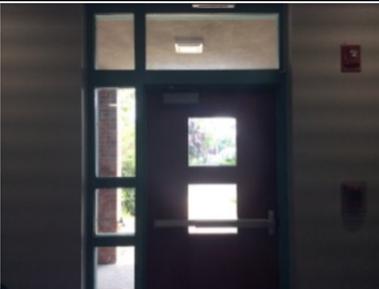
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Emergency Exit</b>												
16	Exit #20	Ext.		Emergency Exit	N/A		Maneuvering clearance(s) not provided Threshold > 1/2" high	- 2.5"	While not technically compliant, this exit could still be usable if the threshold is altered. Alter threshold to be 1/2" high max.	1	155	\$155
17	Exit #21	Ext.		Emergency Exit	N/A		Threshold > 1/2" high	2"	While not technically compliant, this exit could still be usable if the threshold is altered. Alter threshold to be 1/2" high max.	1	155	\$155
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
18	Main Entrance, Exit #2	Ext.		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs on the interior of the door contain the International Symbol of Accessibility (ISA). Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274
19	Exit #8	Ext.		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs on the interior of the door contain the International Symbol of Accessibility (ISA). Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274
20	Exit #9	Ext.		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs on the interior of the door contain the International Symbol of Accessibility (ISA). Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Exit #1	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
22	Exit #20 From Gym	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
23	Emergency Exits From Classrooms to Central Courtyard	Ext.		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs on the interior of the door contain the International Symbol of Accessibility (ISA). Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	12	274	\$3288
24	Exit #14	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
25	Emergency Exits #10, #11, #12, #13, #15, #16, #17, #18 in Classrooms	1	04	Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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.	8	274	\$2192

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Exit #7	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
27	Exit #6	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
28	Exit #5	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
29	Exit #19	1	119	Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs on the interior of the door contain the International Symbol of Accessibility (ISA). Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274
30	Exit #22	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided Threshold > 1/2" high	- - 2"	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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. Alter threshold to be 1/2" high max.	1	487	\$487

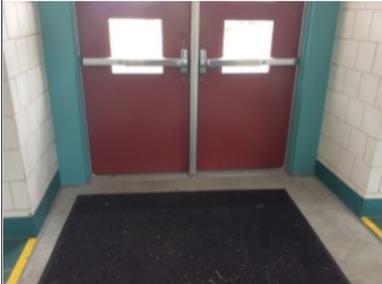
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
31	Exit #23	Ext.		Means of Egress	N/A		Tactile exit sign not provided Emergency exit not on an accessible route	- -	Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door. Provide a directional sign inside indicating the location of the nearest accessible emergency exit.	1	348	\$348
32	Library Exits 4	1		Means of Egress	N/A		Tactile exit sign not provided Emergency exit not on an accessible route	- -	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 a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348
33	Exit #3	1		Means of Egress	N/A		Tactile exit sign not provided Emergency exit not on an accessible route	- -	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 a directional sign indicating the location of the nearest accessible emergency exit.	1	348	\$348
<b>Interior Access Route</b>												
34	Classroom Throughout School	1		Interior Access Route	N/A		Mat not securely attached		Ensure mats in classrooms throughout the school are securely attached.	6	Labor	\$0
35	OT/PT Room	1	125	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0

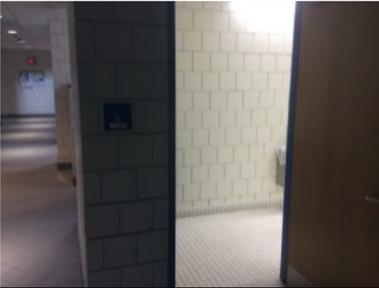
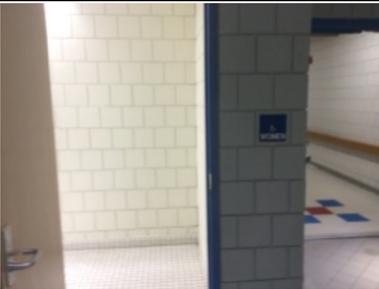
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
36	Main Office	1		Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
37	Reading Specialist	1	132	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
38	OT/PT Room Office	1	125	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate furniture.	1	Labor	\$0
39	Music Room	1	120	Doors, Doorways, & Gates	Classroom		Maneuvering clearance not provided at recess > 8"	29"	Install an automatic door opener.	1	2295	\$2295
40	Classroom	2	219	Doors, Doorways, & Gates	Classroom		Maneuvering clearance not provided at recess > 8"	29"	Install an automatic door opener.	1	2295	\$2295

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
41	Exit #7	1		Doors, Doorways, & Gates	Emergency Egress		Mat not securely attached	-	Securely attach mat.	2	Labor	\$0
42	Exit #6	1		Doors, Doorways, & Gates	Emergency Egress		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
<b>Signage</b>												
43	City Connects Coordinator	1	123	Signage	Designation		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille.	1	174	\$174
44	EOC Office	1	106	Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174
45	Main Office	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174

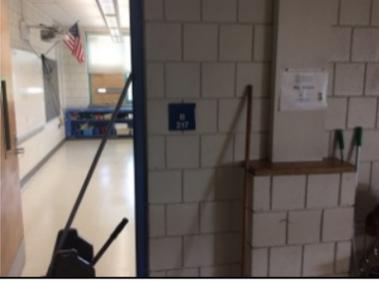
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
46	Cafetorium	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
47	Men's Toilet Room Near Main Entrance	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
48	Women's Toilet Room Near Main Entrance	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
49	Classrooms Throughout School	1		Signage	Designation		Braille not provided	-	Provide braille.	44	174	\$7656
50	Boys' Toilet Room in Classroom	1	B115	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
51	Girls' Toilet Room in Classroom	1	B115	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
52	Health Office	1	127	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
53	Chairperson's Office	1	129	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
54	Women's Toilet Room Near Library	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
55	Men's Toilet Room Near Library	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
56	Girls' Multi-User Toilet Room Near Library	1		Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
57	Reading Specialist	1	132	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
58	Health Office	1	119	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
59	Music Room	1	120	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
60	Art Room	2	217	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
61	Principal's Office	1		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174
62	Boys' Multi-User Toilet Room Near Library	1		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174
63	Girls' Multi-User Toilet Room Second Floor	2		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174
64	Girls' Toilet Room in Gym	1		Signage	Designation		Braille not provided International Symbol of Acc. not compliant	- -	Provide braille. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
<b>Dining or Work Surfaces</b>												
65	Classrooms Throughout School	1		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	21"	Adjust at least 1 work surface per classroom per grade to provide 25" min. knee and toe clearance.	6	Labor	\$0

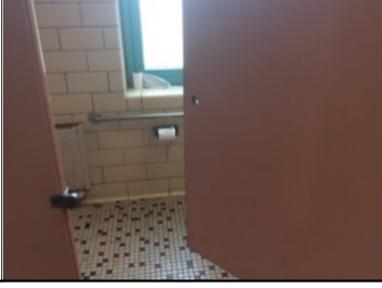
**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
66	Music Room	1	120	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Provide at least 1 work surface with 25" min. knee and toe clearance.	1	525	\$525
<b>Picnic Tables</b>												
67	Near Playground West Side	Ext.		Picnic Tables	N/A		At least 5% accessible spaces not provided	-	Ensure that at least 5% (minimum one) of dining surfaces are accessible.	1	1050	\$1050
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
68	Women's Toilet Room Near Library	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
69	Men's Toilet Room Near Library	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
70	Girls' and Boys' Toilet Rooms in Gym	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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.	2	261	\$522

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
71	Men's Toilet Room Near Main Entrance	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
72	Women's Toilet Room Near Main Entrance	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
73	Girls' Multi-User Toilet Room Near Library	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
74	Boys' Multi-User Toilet Room Near Library	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
75	Girls' Multi-User Toilet Room Second Floor	2		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 43"	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	261	\$261

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
76	Boys' Multi-User Toilet Room Second Floor	2		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 43"	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	261	\$261
<b>Single-User Toilet</b>												
77	Women's Toilet Room Near Library	1		Single-User Toilet	N/A		Flush control not on open side	-	Relocate the flush control to the open/transfer side.	1	281	\$281
<b>Toilet Compartment</b>												
78	Girls' and Boys' Toilet Rooms in Gym	1		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	2	18	\$36
79	Men's Toilet Room Near Main Entrance	1		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	18	\$18
80	Girls' and Boys' Multi-User Toilet Rooms Second Floor	2		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	18	\$18

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
81	Girls' and Boys' Toilet Rooms in Gym	1		Toilet Compartment	Accessible Compartment		Toilet seat <17" or > 19" high Side or rear grab bar < 33" or >36" high Flush control not on open side	21" 31" -	Install a toilet with a seat height 17"- 19" above the floor. Locate grab bars between 33"- 36" above the finished floor. Provide the flush control on the open side of the toilet (transfer side).	2	2098	\$4196
82	Boys' Multi-User Toilet Room Near Library	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high Flush control not on open side	29" -	Locate grab bars between 33"- 36" above the finished floor. Provide the flush control on the open side of the toilet (transfer side).	1	473	\$473
83	Boys' Multi-User Toilet Room Second Floor	2		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high Flush control not on open side	29" -	Locate grab bars between 33"- 36" above the finished floor. Provide the flush control on the open side of the toilet (transfer side).	1	473	\$473
84	Men's Toilet Room Near Main Entrance	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	281	\$281
<b>Urinal</b>												
85	Boys' Multi-User Toilet Room Near Library	1		Urinal	N/A		Rim > 15" high (MAAB)	20"	Provide at least one urinal with the rim no higher than 15" above the finished floor.	1	2436	\$2436

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
86	Boys' Multi-User Toilet Room Second Floor	2		Urinal	N/A		Rim > 15" high (MAAB)	20"	Provide at least one urinal with the rim no higher than 15" above the finished floor.	1	2436	\$2436
<b>Toilet Rooms for Children</b>												
<b>Single-User Toilet</b>												
87	Girls' Toilet Room in Classroom	1	B115	Single-User Toilet	N/A		Flush control not on open side Centerline < or > 11" (Pre-K) Side or rear grab bar < 18" or > 20" high (Pre-K)	- 19" 25"	Move the flush control to the open/transfer side. Mount flush control between 20" - 30" above the floor. Relocate toilet so that the centerline is 11" from the side wall. Locate grab bar between 18"- 20" above the floor.	1	2594	\$2594
88	Boys' Toilet Room in Classroom	1	B115	Single-User Toilet	N/A		Centerline < or > 11" (Pre-K) Side or rear grab bar < 18" or > 20" high (Pre-K)	19" 25"	Relocate toilet so that the centerline is 11" from the side wall. Locate grab bar between 18"- 20" above the floor.	1	2313	\$2313
<b>Lavatory</b>												
89	Boys' Toilet Room in Classroom	1	B115	Lavatory	N/A		Exposed plumbing underneath Mirror above lavatory w/reflective surface > 31"	- 43"	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory. Lower mirror so that the bottom surface is at 31" above finished floor.	1	261	\$261
90	Girls' Toilet Room in Classroom	1	B115	Lavatory	N/A		Exposed plumbing underneath Mirror above lavatory w/reflective surface > 31"	- 41"	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory. Lower mirror so that the bottom surface is at 31" above finished floor.	1	261	\$261

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
91	Gym	1		Drinking Fountains	Low		Clear floor space not provided No drinking fountain provided for standing users	- -	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter. Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	Labor 3021	\$3021
92	Near Main Entrance	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3021	\$3021
93	Near Room 110	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3162	\$3162
94	Near Early Childhood Center Office	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3162	\$3162
95	Near Library	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3162	\$3162

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
96	Near Toilet Rooms on Second Floor	2		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3162	\$3162
<b>Sink</b>												
97	Health Office	1	119	Sink	N/A		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach.	1	1265	\$1265
<b>Sinks for Children's Use</b>												
98	Music Room	1	120	Sinks for Children's Use	Classroom		Knee or toe clearance not provided	-	Provide at least one sink with 25" knee and toe clearance positioned for a forward approach.	1	1265	\$1265
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
99	Kindergarten Playground	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components Not connected to an accessible route	- -	Ensure an accessible route is provided to one of each type of ground level play components Provide an accessible route to and around play areas.  (Cost based on 80' by 5' wide poured in place rubber routes to play components.)	1	8400	\$8400

**City of Salem  
Bentley Academy Charter School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
100	Kindergarten Playground	Ext.		Play Areas	N/A		No compliant transfer system	-	Alteration might be technically infeasible.	1	-	\$0
101	Kindergarten Playground	Ext.		Play Areas	N/A		Not connected to an accessible route Accessible route not provided to ground level play components	- -	Ensure an accessible route is provided to swings. Provide an accessible route to play areas.  (Cost based on 115' by 4' wide asphalt around play area and 55' by 5' wide poured in place rubber route to swings.)	1	8708	\$8708

## Collins Middle School



## City of Salem

### ADA Transition Plan

November 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

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### Collins Middle School

Year Built: 1909    Year Renovated: 1994

#### Background

Collins Middle School, located at 29 Highland Avenue, serves 545 students between sixth and eighth grades. The building has a main accessible entrance on the east side and exits around the building; there are 17 accessible exits including the main entrance/exit.

Collins Middle School is a four (4) story building connected by an elevator and interior stairs. A cafeteria, a fitness room, Parents Information Center and a few specialized rooms (such as the technology education room, mechanical drawing room and data technology lab) are located on the first floor. An auditorium, library, gym, computer lab, a multipurpose room, a music room, the nurse's room, the Community Chamber and the Superintendent's Office are located on the second floor. A Little Theater room is located on the fourth floor. Classrooms and boys' and girls' toilet rooms are located on all floors.

Exterior amenities include the Bertram Field (south side of the school) and toilet room facilities (near Bertram Field). There are 174 parking spaces distributed among three (3) parking lots for visitors and staff; nine (9) are labeled as accessible. The pick-up/drop-off area for the school is located near the playground (on Jackson Street).

**Note:** The interior of the toilet facilities was locked and was not surveyed. IHCD was told that the athletic field and the toilet room facilities will undergo substantial renovations.

#### Key Accessibility Issues

##### Exterior Access Routes

The major accessibility issue is the lack of an accessible route to the men's and women's toilet room located near the athletic field.

Other accessibility issues include lack of a compliant curb ramp (route towards the playground) and lack of maintenance at the stairs leading towards Broad Street.

##### Parking

Accessibility issues include lack of the required number of accessible parking spaces at the parking lots (east side, and south side of the school and near the playground) and lack of the required minimum width at the access aisles located at the accessible parking spaces (near the athletic field). The parking lots located on the north side of the school and the staff parking lot lack the required minimum width at the access aisles and the identification signs are mounted lower than the minimum height allowed. Another accessibility issue is the lack of an accessible route that connects to a drop-off area (near Exit #7).

##### Signage

Accessibility issues include lack of tactile signs (raised and braille characters) at the emergency exits, lack of illuminated exit signs with the International Symbol of Accessibility (ISA), and lack of directional signs at the inaccessible exits to the nearest accessible exit. Other accessibility issues include lack and/or misplaced braille at a few designation signs and signs not located on the latch side of the door.

##### Toilet Rooms

Accessibility issues include lack of an ambulatory compartment at the boys' toilet room (1<sup>st</sup> floor near the cafeteria), lavatories mounted lower than the minimum height allowed (girls' toilet room near the cafeteria), flush control not located on the open/transfer side of the toilet (girls' toilet room near the cafeteria and boys' toilet room near Room #302) and lack of the minimum centerline at the toilet (boys' toilet room near Room #327). Other accessibility issues include lack of the minimum clear floor space at the accessible compartment at the girls' toilet room (near Room #302) and the nurse's toilet room due to furniture. Also, the clear floor space at the accessible transfer shower located in the nurse's room is not maintained in operable working condition due to the location of a cabinet. Additional accessibility issues include lack of insulated pipes at lavatories, mirrors mounted

higher than the maximum allowed at the girls' toilet room (near the cafeteria and near Room #321) and the boys' toilet room (near Room #327) and doors with malfunctioning self-closing hinge (boys' and girls' toilet rooms on the 3<sup>rd</sup> floor).

**Note:** The toilet rooms near the athletic field were locked the day of the visit and were not surveyed.

#### Classrooms

Accessibility issues include lack of accessible work surfaces (with knee clearance), lack of knee and toe clearance and/or lack of insulated pipes at the sinks and an emergency shower pull mounted higher than the maximum allowed. Other accessibility issues include lack of a retractable breadboard at the kitchen classroom (3<sup>rd</sup> floor), lack of the minimum clear width at the accessible routes or lack of the minimum required maneuvering clearance at the doors due to the location of furniture.

**Note:** it is not clear if the classrooms that have speakers have an assistive listening system.

#### Auditorium

Accessibility issues include lack of the minimum required number of wheelchair accessible spaces and lack of the minimum number of designated aisle seats (retractable arm and identification sign).

**Note:** it is not clear if the auditorium has an assistive listening system.

### **Additional Accessibility Issues**

- Lack of an independently operable elevator (requires a key to use it).
- Lack of drinking fountains for seated or standing users. The drinking fountain for seated users located near Room #413 is mounted higher than the maximum height allowed.
- Lack of accessible picnic tables (near the athletic field and the playground).
- Lack of the lower railing (one side) at the ramp located near Room #310 and lack of handrails at the ramp located near Room #337.

- Lack of accessible service counters (Data Technology Lab and Parent Information Center).
- Lack of an accessible locker at the lockers located near Room #411.

#### **Order of Magnitude Cost Estimates**

- Renovate parking lots: \$4,839
- Provide compliant curb ramps (route towards the playground and near Exit #7): \$5,600
- Provide work surfaces and dining surfaces with knee clearance (13 work and dining surfaces): \$7,125
- Provide or repair five (5) automatic door openers: \$11,475
- Provide compliant egress, designation and directional signs: \$10,146
- Provide accessible sinks (knee/toe clearance and insulated pipes) in the classrooms (one classroom per grade (3)) plus sinks in the Band Room and Kitchen Classroom): \$2,136
- Provide assistive listening systems (2 classrooms): \$3,642
- Provide six (6) accessible wheelchair seating spaces (auditorium): \$1,152\*
- Renovate toilet rooms: \$6,852
- Provide closed risers at the stairs (bleachers at the athletic field): \$3,936
- Provide compliant handrails (near Rooms #3, #10 and #337): \$4,170
- Provide or renovate drinking fountains for seated and standing users: \$7,563
- Miscellaneous corrective actions (accessible service counters, picnic tables, cane-detectable barrier, thresholds, accessible lockers, etc.): \$3,588

**Total: \$72,227\***

#### **Provided estimated cost for renovation of the Bertram Field: \$206,000 - \$310,000**

\*Costs to provide an accessible route to the toilet rooms near the athletic field and to provide an assistive listening system and designated seating areas in the auditorium are not included.

#### **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 an adjustable table in the nurse's room.
- Recommend adding contrasting strips at the edge of each step.
- Recommend insulating pipes to prevent contact at all lavatories not just at the accessible lavatories.

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Athletic Field, Route to Toilet Rooms			Exterior Access Route	Exterior		Accessible route not provided	-	Redesign this area to provide an accessible route to the lift.	1	-	\$0
2	Athletic Field, Route to Toilet Rooms			Exterior Access Route	Exterior		Accessible route not provided	-	Redesign this area to provide an accessible route to the lift.	1	-	\$0
<b>Stairs</b>												
3	Stairs Towards Broad Street	Ext.		Stairs	Exterior		Stairs not maintained in operable working condition		Ensure stairs are maintained in operable working condition.	1	Labor	\$0
<b>Curb Ramp</b>												
4	Towards Playground	Ext.		Curb Ramp	N/A		Running slope > 1:12 (8.33%)	13.5%	Reduce running slope to be no steeper than 1:12 (8.33%).	1	2800	\$2800

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Off-Street Parking Lot or Garage</b>												
5	Parking Near Playground, East Side	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of parking Total # of designated accessible parking spaces	24 -	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 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	1388	\$1388
6	Staff Parking Lot, South Side of School	Ext.		Off-Street Parking Lot or Garage	Employee		Total # of parking Total # of designated accessible parking spaces	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 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	1388	\$1388
7	Parking Near Athletic Field	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of parking Total # of designated accessible parking spaces Access aisle < 96" wide at van space	59 3 64"	Provide two marked access aisle that are at least 96" wide.	1	225	\$225
8	Parking - North Side	Ext.		Off-Street Parking Lot or Garage	Employee		Access aisle not provided Sign bottom < 60" above finished grade	- 41"	Provide a marked access aisle that is at least 96" wide. Locate sign with the bottom of the sign 60" above the ground and the top 96" max. above the ground. Add the designation "Van Accessible" to the sign.	1	225	\$225
9	Staff Parking Lot	Ext.		Off-Street Parking Lot or Garage	Employee		Access aisle < 96" wide at van space Sign bottom < 60" above finished grade	60" 45"	Provide a marked access aisle that is at least 96" wide. Locate sign with the bottom of the sign 60" above the ground and the top of the sign 96" above the ground.	1	225	\$225

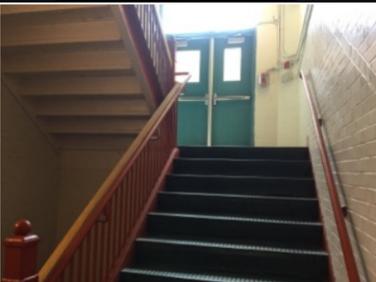
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Passenger Loading Zones</b>												
10	Near Exit #7	Ext.		Passenger Loading Zones			Zone not connected to an accessible route		Ensure the passenger loading zone is connected to an accessible route.	1	2800	\$2800
<b>Entrance</b>												
11	Exit #13 - West Side	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	260	\$260
12	Main Entrance	Ext.		Entrance	Main Entrance		International Symbol of Accessibility not provided	-	Provide the International Symbol of Accessibility.	1	260	\$260
<b>Stairs</b>												
13	Stairs Towards Highland Avenue	Ext.		Stairs	N/A		Not maintained in operable working condition	-	Ensure stairs are maintained in operable working condition.	1	-	\$0
<b>Access to Goods and Services</b>												

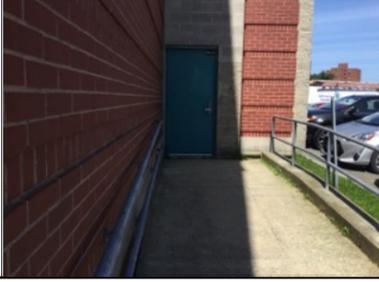
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Means of Egress</b>												
14	Exit #11	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	-	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274
15	Main Entrance	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274
16	Exits #24 and #25 (Cafeteria)	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs with the International Symbol of Accessibility (ISA) are provided at exit doors. Ensure tactile exit signs 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.	2	274	\$548
17	Exit #2	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs with the International Symbol of Accessibility (ISA) are provided at exit doors. Ensure tactile exit signs 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.	1	274	\$274
18	Exit #7	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
19	Exit #18	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274
20	Exit #17	Ext.		Means of Egress	N/A		Emergency exit not on an accessible route		Provide a directional sign on the interior indicating the location of the nearest emergency exit. 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.	1	174	\$174
21	Exit #16	1		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	- - -	Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
22	Stair F Exit #17	1	Stair F	Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	- - -	Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
23	Exit #14	1		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	- - -	Provide a directional sign indicating the location of the nearest emergency exit. 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.	2	174	\$348

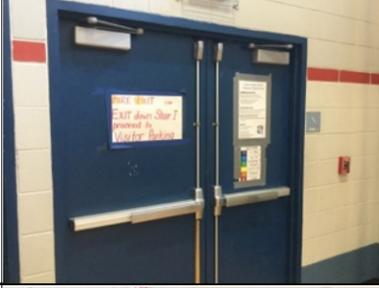
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
24	Exit #12	1		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided		Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
25	Exit #10	1	117	Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided		Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
26	Exit #9	1		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	- -	Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
27	Exit #9	2		Means of Egress	N/A		Emergency exit not on an accessible route Directional sign to accessible emergency exit not provided Tactile exit sign not provided	-	Provide a directional sign indicating the location of the nearest emergency exit. 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.	1	174	\$174
28	Exit #22			Means of Egress	90		Tactile exit sign not provided	- -	Ensure a tactile exit sign with raised characters and braille is provided on the interior at exit door. Mount sign between 48"- 60" above finished floor located on the latch side of the door. Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door.	1	274	\$274

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
29	Exit #2	Ext.		Means of Egress	N/A		Tactile exit sign not provided	-	Ensure tactile exit signs on the interior 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. Ensure an illuminated exit signs with the International Symbol of Accessibility (ISA) are provided at exit door.	1	274	\$274
30	Exits #3, #4, #5, and #6			Means of Egress	N/A		Tactile exit sign not provided	-	Ensure tactile exit signs on the interior 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. Ensure an illuminated exit signs with the International Symbol of Accessibility (ISA) are provided at exit door.	4	274	\$1096
31	Exit #18			Means of Egress	N/A		Tactile exit sign not provided		Ensure a tactile exit sign on the interior 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. Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door.	1	274	\$274
32	Exits #19, #20			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. Ensure an illuminated exit signs with the International Symbol of Accessibility (ISA) are provided at exit doors.	2	274	\$548
33	Exit #21			Means of Egress	N/A		Tactile exit sign not provided	-	Ensure a tactile exit sign on the interior 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. Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door.	1	274	\$274

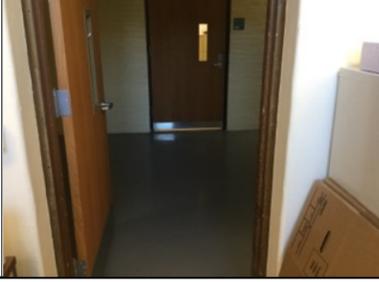
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
34	Exit #23	1		Means of Egress	N/A		Tactile exit sign not provided	- -	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274
35	Stairwells I & J	2		Means of Egress	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest accessible emergency exit.	2	174	\$348
36	Stairwell H	2		Means of Egress	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	174	\$174
<b>Interior Access Route</b>												
37	Classroom	3	310	Interior Access Route			Route < 36" wide	29.75"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
38	Near Girls' Toilet Room	3		Interior Access Route	N/A		Obstructed by protruding objects	7"	Relocate AED so it does not protrude into the circulation path.	1	128	\$128

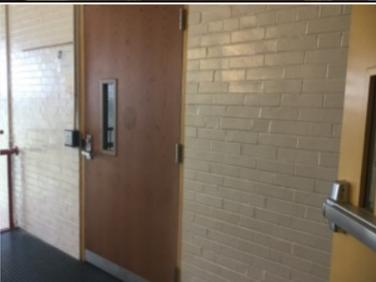
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
39	Main Office	3		Interior Access Route	N/A		Mat not securely attached	-	Ensure walk-off mat is securely attached.	1	Labor	\$0
40	Classroom	3	301	Interior Access Route	N/A		Mat not securely attached	-	Ensure walk-off mat is securely attached.	1	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
41	Classroom	3	334	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Keep door open as needed.	1	Labor	\$0
42	Boys' Toilet Room - Near Room #327	3		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	14.5"	Provide an automatic door opener.	1	2295	\$2295
43	Multi-Purpose Room	3	338	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	6"	Relocate cabinet to maintain the 18" min. maneuvering clearance at the door.	1	Labor	\$0

**City of Salem  
Collins Middle School**

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44	Music Room	3	343	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove piano keyboard to maintain the maneuvering clearance at the door.	1	Labor	\$0
45	Assistant Superintendent's Office	2	226	Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided		Keep door open as needed.	1	Labor	\$0
46	Assistant Superintendent's Office	2	226	Doors, Doorways, & Gates			Maneuvering clearance(s) not provided	-	Relocate table to maintain the maneuvering clearance at the door.	1	Labor	\$0
47	Superintendent's Office	2	222	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate table to maintain the maneuvering clearance at the door.	1	Labor	\$0
48	Director of Nursing Office	1	129	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Ensure the maneuvering clearance is maintained at the door.	1	Labor	\$0

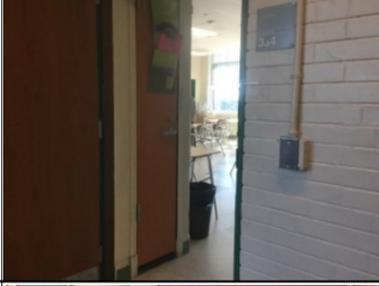
**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
49	Girls' Toilet Room - Near Room #321	3		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided Threshold not beveled	11.5" -	Provide an automatic door opener. Bevel threshold.	1	2408	\$2408
50	Exit #14	1		Doors, Doorways, & Gates	Emergency Egress		Threshold > 1/2" high	2"	Alter threshold to be 1/2" high max.	1	113	\$113
51	Classroom	4	431	Doors, Doorways, & Gates	Circulation		Automatic door opener not operable	-	Repair or replace the door opener.	1	2295	\$2295
52	Classroom	4	432	Doors, Doorways, & Gates			Automatic door opener not operable	-	Repair or replace the door opener.	1	2295	\$2295
53	Nurse's Room	3	317	Doors, Doorways, & Gates	Office		Automatic door opener not operable	-	Repair or replace the door opener.	1	2295	\$2295

**City of Salem  
Collins Middle School**

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<b>Ramps</b>												
54	Hallway - Near Room #337	3		Ramps	Interior		Handrails not provided at both sides if rise is > 6"	-	Provide handrails on both sides.	4	834	\$3336
55	Near Room #310	3		Ramps	Interior		No lower handrail 18"-20" high provided	-	Provide a lower handrail between 18" to 20" high.	1	834	\$834
<b>Stairways</b>												
56	Towards Bleachers From Toilet Rooms	Ext		Stairways	Exterior		Stair has open risers	-	Ensure stairs have closed risers.  (Cost for fill in of 16 risers.)	2	1968	\$3936
<b>Elevator</b>												
57	Elevator	3		Elevator	Interior		Elevator not independently operable (requires key)		Ensure elevator provides unassisted entry and exit.	1	-	\$0

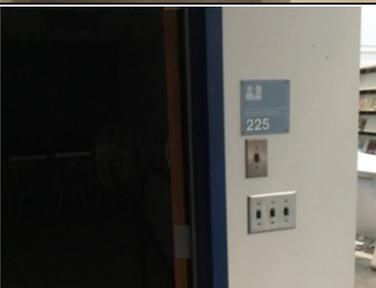
**City of Salem  
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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
58	Men's and Women's Toilet Rooms	Ext.		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside doors on the latch side.	2	260	\$520
59	Mechanical Drawing	1	103	Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
60	Classroom	3	334	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
61	Classroom	4	422	Signage	Designation		Braille not provided	-	Provide braille.	1	174	\$174
62	Boys' Toilet Room - Near Cafeteria	1		Signage	Designation		Braille not provided International Symbol of Acc. not provided	- -	Provide braille. Provide a sign with the International Symbol of Accessibility.	1	174	\$174

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
63	Gym	2	206	Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174	\$174
64	Classroom	4	423	Signage	Designation		Braille misplaced	-	Position braille below the corresponding text. If text is multi-lined place braille below the entire text.	1	174	\$174
65	Girls' Toilet Room - Near Room #321	3		Signage	Designation		Braille misplaced	-	Position braille below the corresponding text. If text is multi-lined place braille below the entire text.	1	174	\$174
66	Stair B	3		Signage	Egress		Braille misplaced	-	Position braille below the corresponding text. If text is multi-lined place braille below the entire text.	1	174	\$174
67	Boys' Toilet Room - Near Room #327	3		Signage	Designation		Braille misplaced Sign not located on the latch side of the door	- -	Position braille below the corresponding text. If text is multi-lined place braille below the entire text. Locate sign alongside the door on the latch side.	1	174	\$174

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
68	Classroom	3	330	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
69	Technology Education	1	104	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign alongside the door on the latch side.	1	Labor	\$0
70	Classroom	1	105	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign alongside the door on the latch side.	1	Labor	\$0
71	Fitness Room	1	107	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side on the inactive leaf.	1	Labor	\$0
72	Computer Lab	2	225	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign alongside the door on the latch side.	1	Labor	\$0

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
73	Boys' and Girls' Toilet Rooms	2		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
74	Committee Chamber	2	227	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign alongside the door on the latch side.	1	Labor	\$0
75	Girls' Toilet Room Near Cafeteria	1		Signage	Designation		Sign not located on the latch side of the door International Symbol of Acc. not provided	- -	Locate sign at permanent rooms alongside the door on the latch side. Provide a sign with the International Symbol of Accessibility.	1	174	\$174
76	Green Room	1		Signage	Designation		Sign not maintained in operable working condition	-	Provide a sign with raised characters duplicated in braille. Locate sign alongside doors on the latch side.	1	174	\$174
<b>Service Counter</b>												
77	Data Technology Lab	1	127	Service Counter	N/A		Counter > 36" high	44"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
78	Parent Information Center	1		Service Counter	N/A		Counter > 36" high	44.5"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
<b>Dining or Work Surfaces</b>												
79	Classroom	4	434	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- -	Ensure that at least one dining or work surface is accessible. Provide at least 1 dining or work surface with 27" min. knee and toe clearance.	1	525	\$525
80	Classroom	4	433	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- -	Ensure that at least one dining or work surface is accessible. Provide at least 1 dining or work surface with 27" min. knee and toe clearance.	1	525	\$525
81	Classroom	4	430	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- -	Ensure that at least one dining or work surface is accessible. Provide at least 1 dining or work surface with 27" min. knee and toe clearance.	1	525	\$525
82	Classroom	3	321	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 24"	Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
83	Music Room	3	348	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 23.5"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
84	Computer Lab	2	225	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 23"	Ensure that at least one work surface is accessible. Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525
85	Library	2		Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 25"	Provide a work surface with 27" min. knee and toe clearance.	1	525	\$525
86	Library	2	238	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 25"	Ensure that at least one work surface is accessible. Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525
87	Cafeteria	1		Dining or Work Surfaces	Dining Surface		At least one or 5% accessible tables not provided Top of dining/work surface < 28" or > 34"	- 25"	Ensure that at least one dining surface is accessible. Provide at least one dining surface with top between 28"- 34" above the floor and 27" clear height underneath.	1	825	\$825

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
88	Mechanical Drawing	1	103	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Top of dining/work surface < 28" or > 34"	- 23"	Ensure that at least one work surface is accessible. Provide at least one work surface with top between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
89	Classroom	4	422 426	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23.75"	Provide at least 1 work surface with 27" min. knee and toe clearance.	2	525	\$1050
90	Research Room	3	323	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23.5"	Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525
<b>Assembly Area</b>												
91	Auditorium	2		Assembly Area	N/A		Number of seats Minimum # wheelchair spaces not provided Designated aisle seats < 5%	370 - -	Provide six (6) wheelchair accessible spaces. At least 5% of the total number of aisle seats provided must be identified by a sign or marker and have folding or retractable armrests.  (Cost to remove six (6) seats.)	1	1152	\$1152
92	Classroom	3	334	Assembly Area	N/A		Assistive listening devices not provided	-	If audible communication is integral to the use of the space, provide an assistive listening system.  (Cost for a capacity of 50 or less.)	1	1821	\$1821

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
93	Classroom	4	424	Assembly Area	N/A		Assistive listening devices not provided	-	If audible communication is integral to the use of the space, provide an assistive listening system.  (Cost for a capacity of 50 or less.)	1	1821	\$1821
<b>Lockers</b>												
94	Near Room #411	4		Lockers	N/A		Total # of locker Total # of accessible locker	- -	Ensure that at least (5%) or one locker is accessible.	1	495	\$495
<b>Emergency Shower</b>												
95	Lab	3	321	Emergency Shower	N/A		Emergency shower out of reach range	66"	Lower the shower pull to 48" max.	1	Labor	\$0
<b>Picnic Tables</b>												
96	North Side of Athletic Field	Ext.		Picnic Tables	N/A		At least 5% accessible spaces not provided	-	Ensure that at least 5% (minimum one) of dining surfaces are accessible.	1	1050	\$1050

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Kitchens and Kitchenettes</b>												
97	Kitchen Classroom	3	347	Kitchens and Kitchenettes	Classrooms		Retractable bread board not provided	-	Provide a retractable bread board adjacent to the door.	1	305	\$305
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
98	Boys' Toilet Room - Near Cafeteria	1		Overall Access	Toilet Room		6 fixtures, but no ambulatory compartment provided	-	Provide one ambulatory accessible compartment.	1	2259	\$2259
<b>Lavatory</b>												
99	Girls' Toilet Room Near Cafeteria	1		Lavatory	N/A		Toe or knee clearances not provided Mirror above lavatory w/reflective surface > 40"	22" 44.5"	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	1457	\$1457
100	Boys' Toilet Room - Near Room #327	3		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 44"	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	261	\$261

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
101	Girls' Toilet Room - Near Room #321	3		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	43"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
<b>Single-User Toilet</b>												
102	Toilet Room - Nurse's Room	3	320	Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Remove table to maintain the 60" min. clear floor space at the toilet.	1	Labor	\$0
<b>Toilet Compartment</b>												
103	Girls' Toilet Room - Near Room #321	3		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
104	Girls' Toilet Room - Near Room #302	3		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
105	Boys' Toilet Room - Near Room #302	3		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Flush control not on open side	- -	Repair hinge. Provide the flush control on the open side of the toilet (transfer side).	1	281	\$281

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
106	Girls' Toilet Room Near Cafeteria	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	281	\$281
107	Girls' Toilet Room - Near Room #302	3		Toilet Compartment	Accessible Compartment		Clearance at toilet < 72" clear depth (MAAB)	-	Remove chair to maintain the required 72" depth clear floor space.	1	Labor	\$0
108	Boys' Toilet Room - Near Room #327	3		Toilet Compartment	Accessible Compartment		Centerline < or > 18" (MAAB)	19.5"	Relocate toilet so the centerline is 18" from the side wall.	1	2121	\$2121
<b>Shower Compartment</b>												
109	Toilet Room - Nurse's Room	3	320	Shower Compartment	Roll-In Type		Not maintained in operable working condition		Remove cabinet and other items to ensure the shower is maintained in operable working condition.	1	Labor	\$0
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
110	Near Room #121	1		Drinking Fountains	N/A		Drinking fountains not maintained in operable working condition	-	Ensure drinking fountains are maintained in operable working condition.	1	-	\$0

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
111	Near Room #413	4		Drinking Fountains	Low		Spout > 36" high (wheelchair users)	38.5"	Lower drinking fountain for seated users so that the spout is 36" max. above the finished floor or ground.	1	1521	\$1521
112	Fountain Near Front Atrium	2	226	Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	3021	\$3021
113	Near Room #127	1		Drinking Fountains	High		No drinking fountain provided for seated users	-	Provide an additional drinking fountain for seated users or install a Hi-Lo drinking fountain.	1	3021	\$3021
<b>Sink</b>												
114	Classroom	3	345	Sink	Classroom		Toe and knee clearances not provided	-	Remove wooden panel to provide a 27" knee clearance positioned for a forward approach and insulate or otherwise configure pipes at sink.	1	930	\$930
115	Kitchen Classroom	3	347	Sink			Toe and knee clearances not provided	-	Remove wooden panel to provide a 27" knee clearance positioned for a forward approach and insulate or otherwise configure pipes at sink.	1	930	\$930

**City of Salem  
Collins Middle School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
116	Classroom	4	433	Sink	Classroom		Exposed plumbing underneath sink	-	Insulate or otherwise configure pipes at sink.  (Insulate pipes at one sink per-grade.)	3	69	\$207
117	Band Room	3	340	Sink			Exposed plumbing underneath sink	-	Insulate or otherwise configure pipes at sink.	1	69	\$69

## Salem High School



## City of Salem

## ADA Transition Plan

December 2019



Institute for Human Centered Design

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### Salem High School

Year Built: 1976

Year Renovated: 2008

### Background

Salem High School, located at 77 Wilson Street, is Salem's public school for 900 students in grades 9 - 12. Along with typical high school classes, the school also has specialty classes for the culinary arts, technical skills like wood working, electrical work, and automotive repair, as well as an ROTC program. The school also has preschool and teen parent facilities available for students.

The school building is four (4) floors with a basement level and three (3) numbered floors. Multiple staircases and one (1) central elevator provide access to all four (4) floors. Half of the basement level is restricted from student access and is where the kitchen, loading dock, and mechanical and boiler rooms are located.

There is a separate one story building which houses the Automotive Technology Center. Major areas in the school include the cafeteria, which spans floors 1 - 3, the Instructional Media Center, which also spans floors 1 - 3, gymnasium and boys' and girls' locker rooms on the basement level, electrical shops on the basement level, main office and health suite on the first floor, auditorium on the first floor, wood shop on the first floor, art room on the first floor, and band area on the second floor. There are many toilet rooms on all floors, with accessible toilet facilities typically in a separate, single-user toilet room near the multi-user toilet rooms.

There are 435 parking spaces for visitors and staff between multiple parking areas around the school; ten parking spaces are labeled as accessible.

The main school building has a total of 48 emergency exits, including the main entrance, 42 of which are accessible. The Automotive Technology Center has eight (8) bay doors in the garage section of the building, as well as six (6) emergency exits, including the main entrance. All of them are close to fully accessible.

### Key Accessibility Issues

#### Exterior Access Routes

Many exterior facilities lack compliant accessible routes to them. These include the fields on the south side of the building, the basketball court in the same area, the outdoor classroom on the south side of the building and through the woods, the tennis courts on the west side of the building, the community garden, and multiple emergency exits.

#### Parking

The two (2) parking lots on the north side of the school both lack four (4) car accessible parking spaces and one (1) van accessible parking space each. The parking lot near the tennis court lacks two (2) car accessible parking spaces and one (1) van accessible parking space. All of these require compliant access aisles and compliant signage with the International Symbol of Accessibility (ISA) and the designation "Van Accessible" at the van parking spaces. Additionally, the parking lot on the south side of the school has faded striping and requires at least one (1) existing parking space to be made van accessible. This would require the designation "Van Accessible" on the accessible parking sign at the van accessible parking space.

The accessible parking near the main entrance lacks two (2) identification signs as well as the designation "Van Accessible" at the van accessible space.

#### Emergency Exits

Emergency exits lack tactile signage in the main building as well as in the Automotive Technology Center. Additionally, exits that are accessible lack illuminated exit signs with the International Symbol of Accessibility (ISA), and inaccessible exits lack directional signage to the accessible exits. Three (3) emergency exits in the Automotive Technology Center lack maneuvering clearance at the exit doors.

#### Interior Routes

Throughout both the high school and Automotive Technology Center buildings, there are multiple instances where the routes through classrooms and to major amenities are less than 36" wide. There are also many protruding objects such as the underside of stairs in the Instructional Media Center, mail boxes, netting at the ROTC offices area, and decorative objects like disco balls in classrooms. Additionally, other safety hazards such as unsecured mats and cables on the floor were seen throughout the building.

#### Vertical Access

The lift that gains users access to the auditorium stage was not independently operable and was not in operable working condition at the time of the survey. The school's elevator has call buttons that are located higher than the maximum 42" height allowed.

**Note:** The IHCD survey team also noted that while audible hall signals exist at the elevator, they were very faint and could be hard to hear by people that are hard of hearing.

#### Signage

While issues are not uniform across the school building, accessibility issues include designation signs that lack raised characters and/or braille and are not located on the latch sides of the doors. Accessible toilet rooms lack the International Symbol of Accessibility (ISA) (main lobby on the first floor and near the

gym balcony on the first floor). Additionally, most of the inaccessible toilet rooms throughout the school lack directional signage indicating the location of the nearest accessible toilet rooms.

#### Work Surfaces

Many rooms throughout the high school building lack compliant work surfaces with a minimum of 27" knee clearance.

**Note:** There is one science room that has accessible lab tables and IHCD recommends swapping out at least one inaccessible lab table for one from that room to ensure program accessibility across the science classes.

#### Lockers

The school on the whole has a lack of accessible lockers for students. Additionally, there are girls' and boys' locker rooms as well as visiting team locker rooms in the basement near the gym. These all lack the minimum required number of accessible lockers. There is also a set of lockers in the Automotive Technology Center, and there is a lack of an accessible locker in that location.

#### Toilet Rooms

Issues within the toilet rooms vary, but repeating issues include plumbing under lavatories that are not insulated, mirrors located higher than the maximum allowed, dispensers out of reach range, flush controls that are not on the open/transfer side of the toilet, side grab bars located lower than the minimum height allowed, urinals mounted higher than the maximum allowed and obstacles in the clear floor space in the accessible toilet rooms.

#### **Additional Accessibility Issues**

- Lack of the 32" minimum clear width at doors due to obstacles like shelving units restricting doors from being open to a 90 degree angle.
- Lack of maneuvering clearance at doors due to trash and recycling cans.

- Lack of accessible service counters throughout the school.
- Operable parts like machine buttons and emergency eye wash stations out of reach range and/or lacking clear floor space.
- Drinking fountains not in operable working condition.

#### **Order of Magnitude Cost Estimates**

- Renovate exterior routes around the school and to fields and play areas: \$35,274
- Parking lot renovations: \$16,843
- Renovate emergency exits: \$21,970
- Provide compliant interior designation and directional signage: \$12,354
- Ensure interior routes are accessible (including relocating equipment, automatic door openers, etc.): \$31,351
- Stairwell renovations: \$7,970
- Elevator renovations: \$2,775
- Ensure service counters throughout school are of an accessible height: \$3,960
- Provide accessible dining and work surfaces: \$22,350
- Install compliant drinking fountains: \$15,914
- Toilet room renovations: \$39,681
- Update fire alarms: \$11,418
- Miscellaneous corrective actions (including auditorium renovations, locker rooms, etc.): \$17,764

**Total: \$239,624**

## 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 bench in the same area of the stairs below the lobby level on the first floor that is on an accessible route.
- Recommend ensuring lower handrails in the Instructional Media Center extend past the top and bottom stairs in all staircases.
- Consider providing an adjustable height bed in the health suite.
- Consider providing a seated scale in the health suite.
- Consider removing striping across from Exit #36 or connecting it to an accessible sidewalk, as this could be confusing for some people.
- Recommend providing the International Symbol of Accessibility (ISA) at all accessible lockers.
- Recommend ensuring that stairs have extensions at the top and bottom of each railing. Also recommend providing a lower handrail on at least one side of the stairs located at 18" high. Also recommend ensuring handrails remain continuous.
- Recommend adding contrasting strips at the edge of each step on interior stairs.

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Alternative Route to Tennis Court	Ext.		Exterior Access Route	Exterior				Area for alternative route to tennis courts.	1	-	\$0
2	Route to Field Across Doors From Gymnasium	Ext.		Exterior Access Route	Exterior		Cross slope > 1:50 (2.00%) Running slope > 1:20 (5%)	3.5% 10.6%	Reduce cross slope to be no steeper than 1:50 (2.00%). Reduce running slope to be no steeper than 1:20 (5%).  (Cost based on 265' by 4" wide asphalt route to field.)	1	6758	\$6758
3	Route to Exits #4, #5, #6, #7	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%)	9.8%	While not technically compliant, this area is still usable.	1	0	\$0
4	Tennis Courts	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%)	14.1%	Provide an accessible route to the tennis courts that has a running slope no steeper than 1:20 (5%).  See ID #1 for route placement.  (Cost based on 65' by 4' wide asphalt route.)	1	1658	\$1658
5	Route to Parking From Main Entrance	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%) Level changes > 1/4"	16.8% -	Provide signs indicating the direction of the nearest accessible route to the parking areas.	1	260	\$260

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Route to Community Garden	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%) Surface is not stable, firm, and slip-resistant	30% -	Create an alternative entrance on the north side of the community garden.  See ID #9 for cost.	1	-	\$0
7	Route to Veteran's Memorial Fieldhouse	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	6"	Alter change in level to be 1/4" high max.	1	155	\$155
8	Route to Exit #26	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	3"	Alter change in level to be 1/4" high max.	1	155	\$155
9	Exit #37, Potential Route to Community Garden	Ext.		Exterior Access Route	Exterior		Surface is not stable, firm, and slip-resistant	-	Use this exit to provide an accessible route to the community garden.  (Cost based on 15' asphalt path to community garden and new entry gate.)	1	483	\$483
10	Route to Exit #3	Ext.		Exterior Access Route	Exterior		Does not prevent accumulation of water Route not maintained in operable working condition	- -	Repair surface. Ensure the accessible route is maintained in operable working conditions.	1	155	\$155

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
11	Route to Basketball Court Near Veteran's Memorial Fieldhouse Parking Lot	Ext.		Exterior Access Route	Exterior		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working conditions.  (Cost based on 185' by 4' wide asphalt route to basketball court.)	1	4718	\$4718
12	Route to Outdoor Classroom	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  See ID #13 for cost.	1	-	\$0
13	Outdoor Classroom	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 300' by 4' wide stone dust route to outdoor classroom.)	1	7200	\$7200
14	Community Garden Near Exit #36	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 90' by 4' wide stone dust route in garden.)	1	2160	\$2160
15	Basketball Court Near Veteran's Memorial Fieldhouse Parking Lot	Ext.		Exterior Access Route	613		Accessible route not provided	-	Ensure an accessible route is provided.  See ID #11 for cost.	1	-	\$0

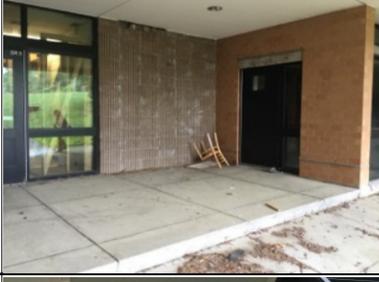
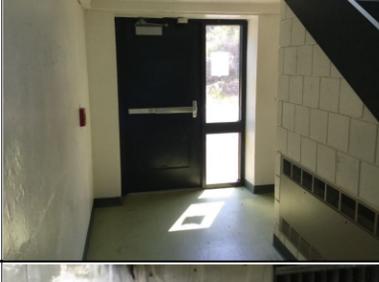
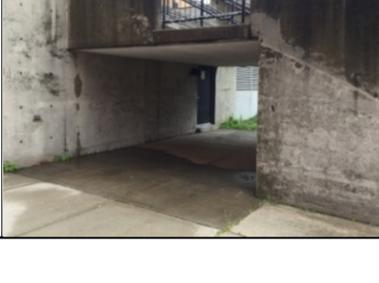
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Off-Street Parking Lot or Garage</b>												
16	Accessible Parking Near Main Entrance	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Vehicle space < 132" wide at van space Sign not provided Sign bottom < 60" above finished grade	3 3 0 118" - 53"	Provide a van accessible space that is at least 132" wide. Provide two (2) additional signs with the bottom of the sign 60" min. above the ground and the top 96" max. above the ground. Ensure sign at the van accessible space has the designation "Van Accessible." Locate existing sign with the bottom of the sign 60" above the ground.	1	975 Labor	\$975
17	Accessible Parking Near Exit #8	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Sign bottom < 60" above finished grade	5 4 1 47.75"	Locate sign with the bottom of the sign 60" above the ground.	1	Labor	\$0
18	Veteran's Memorial Fieldhouse Parking Lot	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Sign does not have the designation "Van Accessible"	85 3 0 -	Restripe parking lot so that accessible spaces and aisles are compliant with ADA 2010: 503. Ensure at least one of them is of a compliant van space size. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	600	\$600
19	Parking Lot Near Tennis Courts	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	62 0 - - -	Provide two (2) car accessible spaces and one (1) van accessible space. Provide a marked access aisle that is at least 60" wide at the car space and 96" wide at the van space. Provide signs 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 van accessible space.	3	1388	\$4164
20	Parking Lot Near Main Entrance, Shared With Horace Mann School	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	110 0 - - -	Provide four (4) car accessible spaces and one (1) van accessible space. Provide a marked access aisle that is at least 60" wide at the car spaces and 96" wide at the van space. Provide signs 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 van accessible space.	4	1388	\$5552

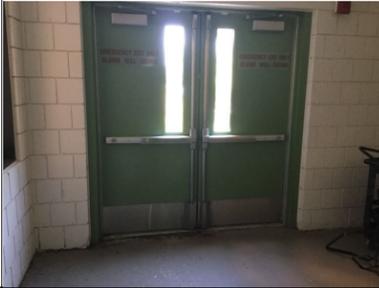
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Parking Lot on North Side of School	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle not provided Sign not provided Sign does not have the designation "Van Accessible"	106 0 - - -	Provide four (4) car accessible spaces and one (1) van accessible space. Provide a marked access aisle that is at least 60" wide at the car spaces and 96" wide at the van space. Provide signs 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 van accessible space.	4	1388	\$5552
<b>Entrance</b>												
22	Storage Doors Off of Gymnasium	Ext.		Entrance	N/A		Directional sign to accessible entrance not provided	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
23	Main Lobby	1		Entrance	Main Entrance		Mat not securely attached Automatic door opener not operable Automatic door opener > 48" above the floor surface	- - 49"	Securely attach mat. Repair or replace the door opener. Lower automatic door opener to 48" max. above ground.	1	2295 Labor	\$2295
24	Playground Near Exit #44	Ext.		Entrance	Gate		Threshold > 3/4" high	2"	Alter threshold to be 3/4" high max.	1	113	\$113
<b>Emergency Exit</b>												
25	Exits #11 and #12, Wood Shop	1	174	Emergency Exit	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs are provided at exits and exit doors. Ensure it contains the International Symbol of Accessibility (ISA). 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	274	\$274

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Exit #13, in Stairwell 14	1	174	Emergency Exit	N/A		<p>Illuminated exit sign not provided Tactile exit sign not provided Directional sign to accessible emergency exit not provided</p>	- -	<p>Ensure illuminated exit signs are provided at exits and exit doors. 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 a directional sign indicating the location of the nearest emergency exit.</p>	1	448	\$448
27	Exits #4, #5, #6	Ext.		Emergency Exit	N/A		Emergency exit not on an accessible route	-	<p>Renovate area so that there is an accessible route away from the building.  (Cost based on 6' long ramp that is 48" wide and had handrails.)</p>	1	1269	\$1269
28	Exit #38, in Stairwell 7	1		Emergency Exit	N/A		<p>Emergency exit not on an accessible route Tactile exit sign not provided</p>	- -	<p>Provide a directional sign indicating the location of the nearest emergency exit. 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.</p>	1	348	\$348
29	Exit #7	Ext.		Emergency Exit	N/A		<p>Emergency exit not on an accessible route Tactile exit sign not provided</p>	-	<p>Provide a directional sign indicating the location of the nearest emergency exit on the interior of the door. Ensure tactile exit signs on the interior 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.</p>	1	348	\$348
30	Veteran's Memorial Fieldhouse, Exit #22	Ext.		Emergency Exit	N/A		<p>Emergency exit not on an accessible route Tactile exit sign not provided</p>	- 6"	<p>Provide a directional sign indicating the location of the nearest emergency exit on the interior of the door. Ensure tactile exit signs on the interior 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.</p>	1	348	\$348

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
31	Exit #36, in Stairwell 9	1		Emergency Exit	N/A		Illuminated exit sign lacks the International Symbol of Accessibility. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
32	Exit #37, in Stairwell 8	1		Emergency Exit	N/A		Illuminated exit sign lacks the International Symbol of Accessibility. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
33	Exit #3, Faculty Lounge	1	185	Emergency Exit	N/A		Illuminated exit sign lacks the International Symbol of Accessibility. Tactile exit sign not provided Threshold > 3/4" high	- - 3"	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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. Alter threshold to be 3/4" high max.	1	387	\$387
34	Exit #14, Wood Shop	1	174	Emergency Exit	N/A		Illuminated exit sign lacks the International Symbol of Accessibility. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
35	Exit #6	Ext.		Emergency Exit	N/A		Illuminated exit sign lacks the International Symbol of Accessibility. Tactile exit sign not provided	- -	Ensure illuminated exit sign on the interior contains the International Symbol of Accessibility (ISA). Ensure tactile exit signs on the interior 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	274	\$274

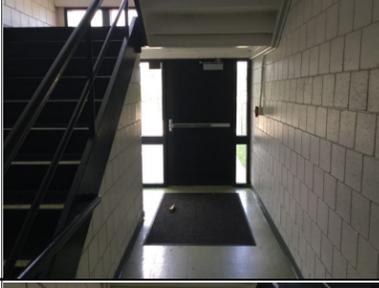
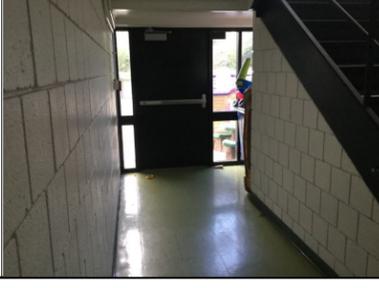
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
36	Exit #33, in Instructional Media Center	1	155	Emergency Exit	N/A		Tactile exit sign not provided Emergency exit not on an accessible route	- -	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 a directional sign indicating the location of the nearest emergency exit.	1	274	\$274
37	Fitness Center - Exit #29	B	062	Emergency Exit	N/A		Tactile exit sign not provided Emergency exit not on an accessible route	- -	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 a directional sign indicating the location of the nearest emergency exit.	1	348	\$348
38	Exit #1, Main Lobby	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
39	Exit #48, Stair 2	1	Stair 2	Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
40	Exit #2, Auditorium	1	100	Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility. Threshold > 3/4" high	- - 3"	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Alter threshold to be 3/4" high max.	1	387	\$387

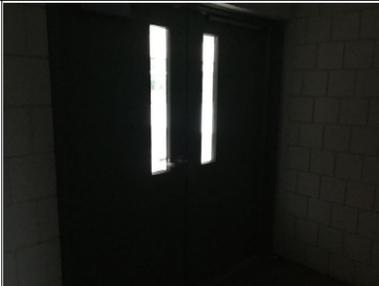
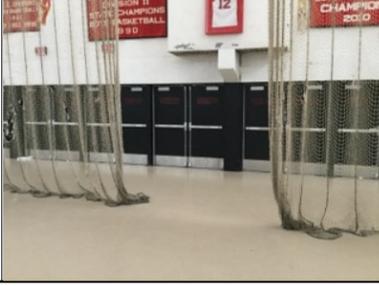
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
41	Exit #20, Art Room	1	166	Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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 Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
42	Exits #8 and #9, in Stairwell 15 and Stairwell 16	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	2	274	\$548
43	Exit #10, Hall by Wood Shop			Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	-	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. Ensure the illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
44	Wood Shop, Route to Exit	1	174	Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	-	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
45	Exit to Courtyard From Cafeteria, First Floor	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	-	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

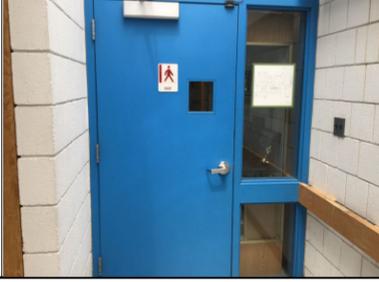
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
46	Exit #43, in Stairwell 6	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
47	Exit #44, Adjacent to Stairwell 6	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
48	To Exit #45, Teen Parent Room/ Preschool	1	125	Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
49	Exit #45, in Stairwell 5	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
50	Exit #46, in Stairwell 4	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

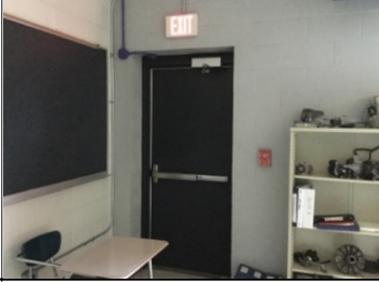
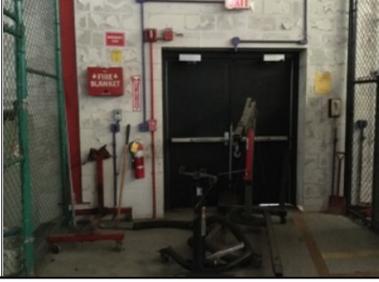
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
51	Exit in Stairwell 10 to Courtyard	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
52	Exit #47	Ext.		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	Ensure tactile exit signs on the interior 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
53	Automotive Technology Center, Main Entrance	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
54	Exit #31, Black Cat Cafe	B		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
55	Exit #27, Gym	B		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274

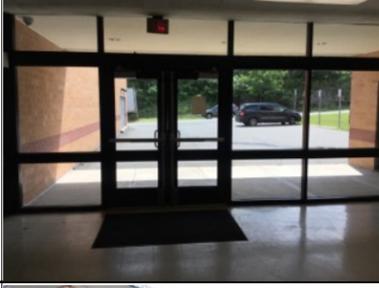
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
56	Exit #26, Gym	B		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
57	Exit #25	B		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
58	Exit #24, Gymnasium Balcony Area	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility. Threshold > 3/4" high	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). Alter threshold to be 3/4" high max.	1	387	\$387
59	Exit #23	1		Emergency Exit	N/A		Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
60	Exit From Main Office to Hallway	1	158C	Emergency Exit	N/A		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest emergency exit.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
61	Hall D, Exit to Courtyard	1	Hall D	Emergency Exit	N/A		International Symbol of Acc. not provided Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
62	Exit #4, Electrical Class	B	087	Emergency Exit	N/A		International Symbol of Acc. not provided Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
63	Exit #5	B		Emergency Exit	N/A		International Symbol of Acc. not provided Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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	274	\$274
64	Automotive Technology Center, Classroom	Ext.		Emergency Exit	N/A		Maneuvering clearance(s) not provided Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- - -	Provide an automatic door opener. 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	2569	\$2569
65	Automotive Technology Center, Garage Emergency Exit	1		Emergency Exit	N/A		Maneuvering clearance(s) not provided Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- - -	Remove clutter in front of emergency exit. 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	Labor 274	\$274

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
66	Automotive Technology Center, Garage	1		Emergency Exit	N/A		Maneuvering clearance(s) not provided Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	Provide an automatic door opener. 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	2569	\$2569
67	Exit #30	B		Emergency Exit	N/A		Mat not securely attached Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	- -	Securely attach mat. 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	274	\$274
68	Exits #14, #16, #17, and #20 Emergency Exits at Top of Stairs at Veteran's Memorial Fieldhouse	Ext.		Emergency Exit	N/A		Threshold > 3/4" high	3"	Alter thresholds to be no more than 1/2" max.	4	113	\$452
69	Exit #38	Ext.		Emergency Exit	N/A		Threshold > 3/4" high	3"	Alter threshold to be no more than 1/2" max.	1	113	\$113
70	Exit #21 at Top of Stairs at Veteran's Memorial Fieldhouse	Ext.		Emergency Exit	N/A		Threshold > 3/4" high Tactile exit sign not provided Illuminated exit sign lacks the International Symbol of Accessibility.	3" - -	Alter threshold to be 3/4" high max. Ensure tactile exit signs on the interior 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. Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA).	1	387	\$387

**Access to Goods and Services**

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Means of Egress</b>												
71	Doors to Stairwells Throughout School	B, 1, 2, 3		Means of Egress	N/A		Directional sign to accessible emergency exit not provided	-	Provide directional signs indicating the location of the nearest emergency exits.	30	174	\$5220
<b>Interior Access Route</b>												
72	Latin Classroom, Route to Connecting Classroom	3	335	Interior Access Route	N/A		Route < 36" wide	31"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
73	Spanish Classroom	3	318	Interior Access Route	N/A		Route < 36" wide	21"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
74	French Classroom	3	319	Interior Access Route	N/A		Route < 36" wide	27"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
75	Spanish 3 Classroom	3	325	Interior Access Route	N/A		Route < 36" wide	20"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
76	French 3 Classroom	3	326	Interior Access Route	N/A		Route < 36" wide	9"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
77	Business Department Computer Lab	3	330	Interior Access Route	N/A		Route < 36" wide	34"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
78	Hydroponics Lab	3	348	Interior Access Route	N/A		Route < 36" wide	22"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
79	Economics Class	2	232	Interior Access Route	N/A		Route < 36" wide	21"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
80	Economics Class	2	232	Interior Access Route	N/A		Route < 36" wide	18"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
81	Home Economics/ Special Needs Classroom	1	141	Interior Access Route	N/A		Route < 36" wide	28.5"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
82	Geometry and Calculus Classroom	1	134	Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
83	Science Classroom	1	112	Interior Access Route	N/A		Route < 36" wide	25"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
84	ROTC - Supply and Uniform Room	1	137A	Interior Access Route	N/A		Route < 36" wide	33"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
85	ROTC - Bunker Room	1		Interior Access Route	N/A		Route < 36" wide	28"	Ensure that a clear width of 36" min. is maintained at the accessible route by rearranging classroom set up.	1	Labor	\$0

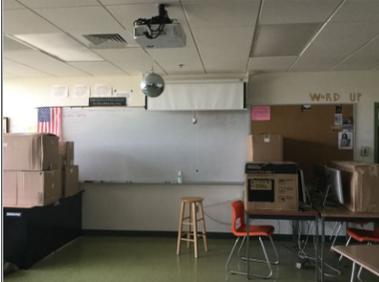
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
86	Band Room	2	266	Interior Access Route	N/A		Route < 36" wide	31"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
87	Band Room	2	266	Interior Access Route	N/A		Route < 36" wide		Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
88	Auditorium	1	100	Interior Access Route	N/A		Route < 36" wide		Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
89	Wood Shop	1	174	Interior Access Route	N/A		Route < 36" wide	30"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
90	Automotive Technology Center, Classroom	1	107	Interior Access Route	N/A		Route < 36" wide	22"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
91	Photography Dark Room	1	169	Interior Access Route	N/A		Route < 36" wide Accessible route not provided	24.5" -	Ensure that a clear width of 36" min. is maintained at the accessible route. Provide an accessible route into the dark room.	1	Labor	\$0
92	Instructional Media Center	1	155	Interior Access Route	N/A		Obstructed by protruding objects	65"	Provide a cane-detectable barrier.	1	720	\$720
93	Mailbox Near Athletic Offices	1		Interior Access Route	N/A		Obstructed by protruding objects	-	Provide a cane-detectable barrier.	1	230	\$230
94	ROTC Office Block	1	137	Interior Access Route	N/A		Obstructed by protruding objects	-	Remove netting on ceiling.	1	Labor	\$0
95	Classroom	2	212	Interior Access Route	N/A		Obstructed by protruding objects	75"	Relocate paper border so that it is at least 80" above the finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
96	Computer Lab	1	182	Interior Access Route	N/A		Obstructed by protruding objects	73"	Relocate disco ball so that it is at least 80" above the finished floor.	1	Labor	\$0
97	Automotive Technology Center, Women's Toilet Room	1	104	Interior Access Route	N/A		Obstructed by protruding objects	-	Remove tampon dispenser.	1	192	\$192
98	Visiting Team Room 2	B	074	Interior Access Route	N/A		Level changes > 1/4"	-	Alter change in level to be 1/4" high max.	1	155	\$155
99	Laboratory	2	248	Interior Access Route	N/A		Surface not stable, firm, and slip-resistant	-	Relocate cables and other clutter.	1	Labor	\$0
100	Library	2	255	Interior Access Route	N/A		Surface not stable, firm, and slip-resistant	-	Remove rug or secure to floor.	1	Labor	\$0

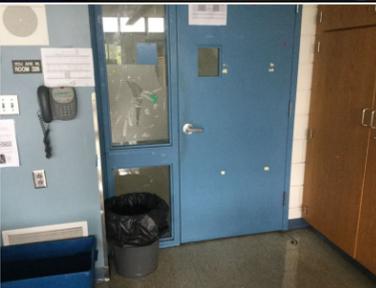
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
101	Stair 16	1	Stair 16	Interior Access Route	N/A		Surface not stable, firm, and slip-resistant		Repair surface.	1	155	\$155
102	ROTC Office	1	137G	Interior Access Route	N/A		Accessible route not provided	-	Provide an accessible route that is at least 36" wide.	1	Labor	\$0
103	Home Economics/ Special Needs Classroom	1	141	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
104	Home Economics/ Special Needs Classroom	1	141	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
105	Life Skills/Post High School/ OT PT	1	131	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
106	Teen Parent Room/ Preschool	1	125	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mat.	1	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
107	Door Between Rooms 328 and 329	3	328-329	Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	30"	Ensure doorway is at least 32" wide by relocating cabinet.	1	Labor	\$0
108	Spanish 3 Classroom, Route to Room 326	3	325	Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	28"	Remove obstructions.	1	Labor	\$0
109	Hydroponics Lab	3	348	Doors, Doorways, & Gates	Classroom		Clear width at door < 32"	18"	Remove obstructions.	1	Labor	\$0
110	ESL Classroom, Route to Room 233	2	240	Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	24"	Remove obstructions.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
111	Economics Class, Route to Computer Lab	2	232	Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	30"	Remove obstructions	1	Labor	\$0
112	Door Between Rooms 140 and 134	1	140	Doors, Doorways, & Gates	Circulation		Clear width at door < 32"	28"	Relocate obstructions.	1	Labor	\$0
113	Language Classroom	3	324	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove the trash cans.	1	Labor	\$0
114	French 3 Classroom	3	326	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove the trash cans.	1	Labor	\$0
115	ESL Classroom	2	240	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove the trash cans.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
116	Computer Lab	2	230	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove the trash cans.	1	Labor	\$0
117	Exit From Instructional Media Center to Hallway	1	155	Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	4"	Remove or relocate the bookshelf on the Instructional Media Center side and display case on the hallway side.	2	Labor	\$0
118	Conference Room	1	158G	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Rearrange the room so that the table is not in the maneuvering clearance at the door.	1	Labor	\$0
119	Additional Entrance to Main Office Area	1		Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	4"	Remove or relocate the display case.	1	Labor	\$0
120	Office	1	150B	Doors, Doorways, & Gates	Other		Maneuvering clearance(s) not provided	-	Remove the obstructions.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
121	Home Economics/ Special Needs Classroom	1	141	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove the trash can.	1	Labor	\$0
122	Door Between Rooms 128 and 129	1	129	Doors, Doorways, & Gates	Circulation		Maneuvering clearance(s) not provided	-	Remove the obstructions.	1	Labor	\$0
123	Teen Parent Room/ Preschool Toilet Room	1	125	Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	6"	Provide an automatic door opener.	1	2295	\$2295
124	Band Teacher's Office	2	279	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided		Remove trash can to provide at least 18" wide maneuvering clearance.	1	Labor	\$0
125	Orchestra	2	282	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided		Remove the desk to provide at least 18" wide maneuvering clearance.	1	Labor	\$0

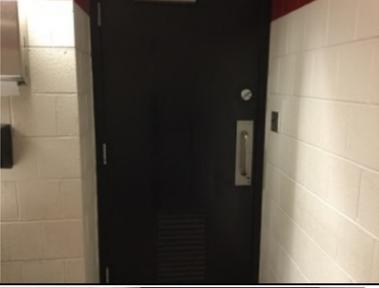
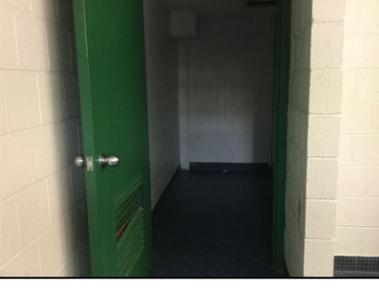
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
126	Office	2	281	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided		Remove the file cabinet to provide at least 18" wide maneuvering clearance.	1	Labor	\$0
127	Office	2	250B	Doors, Doorways, & Gates	Meeting Room		Maneuvering clearance(s) not provided	16"	Provide an automatic door opener.	1	2295	\$2295
128	Office	2	249F	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided		Remove trash can and chair to provide at least 18" wide maneuvering clearance.	1	Labor	\$0
129	Women's Toilet Room	2	Hall C	Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	15"	Remove desk to provide at least 18" wide maneuvering clearance.	1	Labor	\$0
130	Classroom	2	210	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	16"	Provide an automatic door opener.	1	2295	\$2295

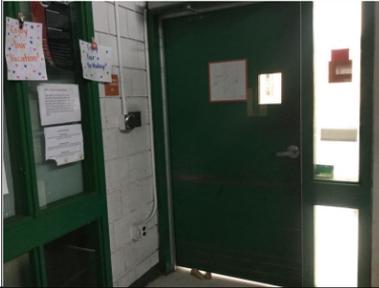
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
131	Environmental Science	2	212	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Remove trash can to provide at least 18" wide maneuvering clearance.	1	Labor	\$0
132	Gymnasium Balcony Area, Men's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance(s) not provided	-	Provide an automatic door opener.	1	2295	\$2295
133	Science Classroom	2	216	Doors, Doorways, & Gates	Classroom		Maneuvering clearance not provided at recess > 8"	7"	Install an automatic door opener.	1	2295	\$2295
134	Color Guard Closet	2		Doors, Doorways, & Gates	Other		Maneuvering clearance not provided at recess > 8"	9"	Install an automatic door opener.	1	2295	\$2295
135	School Store	2	251	Doors, Doorways, & Gates	Other		Maneuvering clearance not provided at recess > 8"	11"	Install an automatic door opener.	1	2295	\$2295

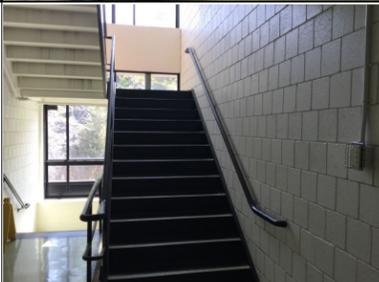
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
136	Classroom	2	204	Doors, Doorways, & Gates	Classroom		Maneuvering clearance not provided at recess > 8"	4"	Install an automatic door opener.	1	2295	\$2295
137	Lobby at Main Entrance, Women's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance not provided at recess > 8"	-	Install an automatic door opener.	1	2295	\$2295
138	Lobby at Main Entrance, Men's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Maneuvering clearance not provided at recess > 8"	-	Install an automatic door opener.	1	2295	\$2295
139	Culinary Arts Class	B	057	Doors, Doorways, & Gates	Other		Threshold > 1/2" high	4"	Alter threshold to be 1/2" high max.	1	113	\$113
140	Boys' Changing Room - Backstage	1	187	Doors, Doorways, & Gates	Toilet Room		Hardware not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	363	\$363

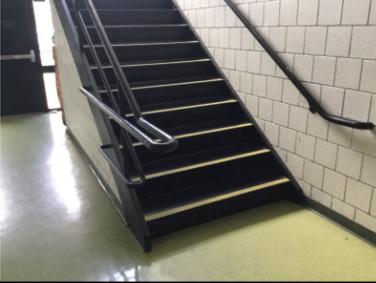
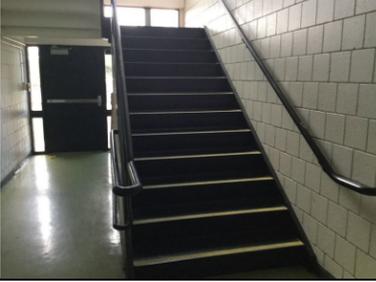
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
141	Band Room (East Door)	2	266	Doors, Doorways, & Gates	Classroom		Automatic door opener not operable		Repair or replace the door opener.	1	2295	\$2295
142	Band Room (West Door)	2	266	Doors, Doorways, & Gates	Classroom		Automatic door opener > 48" above the floor surface	50"	Lower automatic door opener to 48" max. above ground.	1	Labor	\$0
143	Band Room (East Door)	2	266	Doors, Doorways, & Gates	Classroom		Automatic door opener > 48" above the floor surface	50"	Lower automatic door opener to 48" max. above ground.	1	Labor	\$0
<b>Ramps</b>												
144	Alternative Accessible Route to Gym Floor	B		Ramps	Interior		Running slope >1:12 (8.33%)	9.6%	Repair to this ramp might be technically infeasible.	1	0	\$0
<b>Stairways</b>												
145	Stairwell 2	2		Stairways	Interior		Handrail not provided on both sides	-	Provide handrail on one side.	1	1665	\$1665

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
146	Stairwell 9	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
147	Stairwell 8	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
148	Stairwell 7	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
149	Stairwell 7	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
150	Stairwell 6	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600

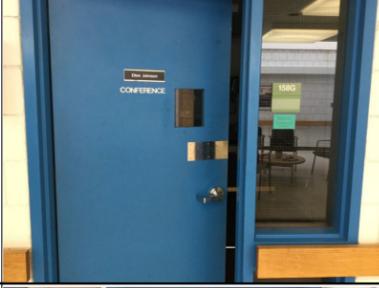
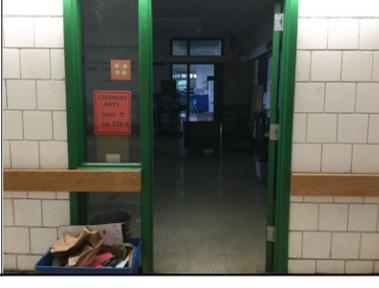
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
151	Stairwell 5	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
152	Stairwell 5	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
153	Stairwell 4	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
154	Stairwell 4	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600
155	Stairwell 10	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend to one tread depth beyond the last riser for the lower railing to ensure that the upper railing extension does not protrude as a protruding object.	1	600	\$600

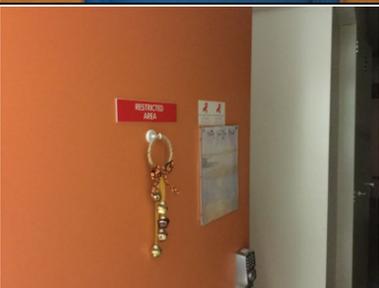
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
156	Auditorium - Backstage	1		Stairways	Interior		Handrails do not extend 12" from stairs	-	Ensure handrails extend horizontally above the landing for 12" min. beginning above the first riser nosing.	1	107	\$107
157	Auditorium	1	100	Stairways	Interior		Handrails not provided	-	Provide handrail on one side. (Cost estimate for one 6' long wall-mounted wood handrail.)	1	198	\$198
<b>Platform Lift or LULA Elevator</b>												
158	Auditorium - Backstage	1	191	Platform Lift or LULA Elevator	Interior		Not in operable working condition		Ensure lift is maintained in operable working condition.	1	Labor	\$0
159	Auditorium	1	100	Platform Lift or LULA Elevator	Interior		Not independently operable	-	Adjust controls to be independently operable or provide a new lift.	1	Labor	\$0
<b>Elevator</b>												
160	Main Lobby	1	Elevator	Elevator	Interior		Elevator call buttons > 42" (MAAB)	48"	Lower call buttons to 42" max. above the finished floor.	1	1446	\$1446

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
161	Elevator	1	Elevator	Elevator	Interior		Audible hall signals not provided		Add audible hall signals.  Note: Audible hall signals exist but were very faint and may not be audible to people who are deaf or are hard of hearing.	1	1329	\$1329
<b>Signage</b>												
162	Office	1		Signage	Designation		Not provided	-	Locate signage in raised characters in braille alongside the door on the latch side. Ensure it matches the long term use of this room.	1	174	\$174
163	Conference Room	1	158G	Signage	Designation		Not provided	-	Locate signage in raised characters and braille alongside the door on the latch side. Ensure it matches the long term purpose of the room.	1	174	\$174
164	Additional Entrance to Main Office Area	1		Signage	Designation		Not provided	-	Locate signage alongside the door on the latch side.	1	174	\$174
165	Culinary Arts Classroom	2	280	Signage	Designation		Not provided		Locate signage alongside the door on the latch side.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
166	Choir Room	2	285	Signage	Designation		Not provided		Locate signage alongside the door on the latch side.	1	174	\$174
167	Donation Room	1	109	Signage	Designation		Not provided		Locate signage with correct information alongside the door on the latch side.	1	174	\$174
168	Principal's Office	1	158D	Signage	Designation		Raised characters not provided	-	Provide text with raised characters duplicated in braille. Ensure sign reflects the long term usage of this room.	1	174	\$174
169	Office	1		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side. Ensure signage reflects the long term use of this room.	1	174	\$174
170	Environmental Science Closet	2	215	Signage	Informational		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174

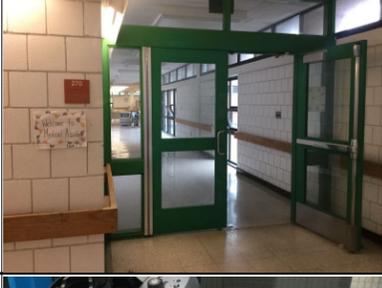
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
171	Automotive Technology Center, Women's Toilet Room	1	104	Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door International Symbol of Acc. not compliant	- - - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
172	Automotive Technology Center, Men's Toilet Room	1	105	Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door International Symbol of Acc. not compliant	- - - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
173	Gymnasium Area, Men's Public Toilet Room	B		Signage	Designation		Raised characters not provided Braille not provided Sign not located on the latch side of the door International Symbol of Acc. not compliant	- - - -	Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
174	Conference Room	1	158E	Signage	Designation		Raised characters not provided Braille misplaced	- -	Provide text with raised characters duplicated in braille. Ensure braille and raised characters match the long term purpose of this room.	1	174	\$174
175	Office	2	284	Signage	Designation		Raised characters < 48" or > 60" above ground	61"	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 finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
176	Gymnasium Area, Access to Gym Floor	B		Signage	N/A		Braille not provided	-	Provide braille.	1	174	\$174
177	Projection Room	3		Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate all signage at permanent rooms alongside the door on the latch side.	1	174 Labor	\$174
178	Conference Room	1	158E	Signage	Designation		Braille not provided Sign not located on the latch side of the door	- -	Provide braille. Locate sign at permanent rooms alongside the door on the latch side.	1	174	\$174
179	Gymnasium Balcony Area, Women's Toilet Room	1		Signage	Designation		Braille not provided International Symbol of Acc. not compliant	- -	Provide braille. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174
180	Gymnasium Balcony Area, Men's Toilet Room	1		Signage	Designation		Braille not provided International Symbol of Acc. not compliant	- -	Provide braille. Replace sign with a sign containing the International Symbol of Accessibility.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
181	Auditorium	1	100	Signage	Informational		Visual characters < 40" above ground	37"	Mount visual sign so that the baseline of the lowest character is 40" min. above finished floor.	1	Labor	\$0
182	Instructional Media Center	3	355	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
183	Instructional Media Center	1	155	Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
184	Culinary Arts/Medical Assistance Classroom	2	270	Signage	Designation		Sign not located on the latch side of the door		Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0
185	District ELL	1	151	Signage	Designation		Sign not located on the latch side of the door		Locate sign at permanent rooms alongside the door on the latch side.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
186	Lobby at Main Entrance, Women's Toilet Room	1		Signage	Designation		Sign not located on the latch side of the door International Symbol of Acc. not compliant	- -	Locate sign at permanent rooms alongside the door on the latch side. Replace sign with a sign containing the International Symbol of Accessibility.	1	Labor 174	\$174
187	Lobby at Main Entrance, Men's Toilet Room	1		Signage	Designation		Sign not located on the latch side of the door International Symbol of Acc. not compliant	- -	Locate sign at permanent rooms alongside the door on the latch side. Replace sign with a sign containing the International Symbol of Accessibility.	1	Labor 174	\$174
188	Boys' Toilet Room Near Teacher's Lounge	3		Signage	Designation		Sign not located on the latch side of the door Directional sign to access. toilet not provided	- -	Locate sign at permanent rooms alongside the door on the latch side. Provide a sign indicating the location of the nearest accessible toilet room.	1	Labor 174	\$174
189	Boys' Toilet Room Near Teen Health Center	1		Signage	Designation		Sign not located on the latch side of the door Directional sign to access. toilet not provided	- -	Locate sign at permanent rooms alongside the door on the latch side. Provide a sign indicating the location of the nearest accessible toilet room.	1	Labor 174	\$174
190	Cafeteria, Third Floor	3	343	Signage	Designation		Sign not located on the latch side of the door	-	Ensure designation sign is located on the right side of this set of doors.	1	Labor	\$0

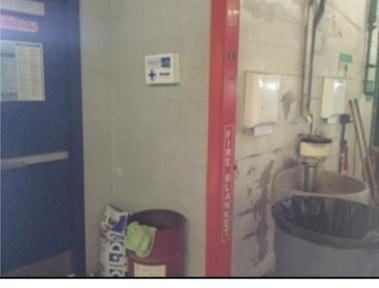
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
191	Music Classroom	2	283	Signage	Designation		Text size non-compliant		Ensure that character size complies with the Character Height Table 703.5.5 in the ADA 2010 Standards.	1	174	\$174
<b>Service Counter</b>												
192	Instructional Media Center	3	355	Service Counter	N/A		Counter > 36" high	44"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
193	Instructional Media Center	1	155	Service Counter	N/A		Counter > 36" high	40"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
194	Speech	2	256	Service Counter	N/A		Counter > 36" high	37"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
195	Hallway by Speech Room	2	256	Service Counter	N/A		Counter > 36" high	37"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660

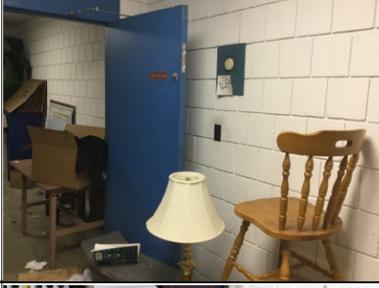
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
196	Cafeteria	2		Service Counter	N/A		Counter > 36" high	51"	Ensure anything that is located on the higher shelf is also located at a level that is 36" max. above the ground or finished floor.	1	Labor	\$0
197	School Store	2	251	Service Counter	N/A		Counter > 36" high	38"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
198	Library	2	255	Service Counter	N/A		Counter > 36" high	40"	Provide a counter that is 36" max. above the ground or finished floor.	1	660	\$660
<b>Operable Parts</b>												
199	Biology Classroom	1	116	Operable Parts	Other		Element not on an accessible route Clear floor space is not provided	- -	Ensure goggles are located on an accessible route. Provide a 30" min. by 48" min. clear floor space at goggle pick up.	1	Labor	\$0
200	Science Classroom	3	314	Operable Parts	Equipment		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at goggle pick up.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
201	Art Room	1	166	Operable Parts	Other		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at pottery wheels.	1	Labor	\$0
202	Automotive Technology Center, Garage	1		Operable Parts	Equipment		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at emergency eyewash station by removing clutter.	1	Labor	\$0
203	Automotive Technology Center, Garage	1		Operable Parts	Equipment		Clear floor space is not provided	-	Provide a 30" min. by 48" min. clear floor space at machines.	1	Labor	\$0
204	Art Room	1	166	Operable Parts	Equipment		Clear floor space is not provided Reach < 15" or > 48"(forward/side approach)	- 61"	Relocate paper cutter so that controls are between 15"- 48" above finished floor and there is a 30" min. by 48" min. clear floor space.	1	Labor	\$0
205	Automotive Technology Center, Garage	1		Operable Parts	Equipment		Clear floor space is not provided Side reach > 54"	- 68"	Provide a 30" min. by 48" min. clear floor space at first aid kit. Relocate first aid kit so that controls are between 15" - 48" above finished floor.	1	Labor 192	\$192

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
206	Automotive Technology Center, Garage	1		Operable Parts	Equipment		Clear floor space is not provided Side reach > 54"	- 76.5"	Provide a 30" min. by 48" min. clear floor space at fire blanket and emergency equipment by removing clutter. Relocate fire blanket and emergency equipment so that controls are between 15" - 48" above finished floor.	1	Labor 192	\$192
207	Projection Room	3		Operable Parts	Switch		Clear floor space is not provided Side reach if obstruction > 24" deep is > 46" high	- 68.5"	Provide a 30" min. by 48" min. clear floor space at light switch. Ensure that light switch is not higher than 46" above the finished floor.	1	192	\$192
208	English and College Preparation Classroom	3	311	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	8"	Relocate books so that controls are between 15"- 48" above finished floor.	1	Labor	\$0
209	Geometry and Calculus Classroom	1	134	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	8"	Relocate books so that they are between 15"- 48" above finished floor.	1	Labor	\$0
210	Early Education and Care Room	1	118	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	9"	Relocate stored items so that they are between 15"- 48" above finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
211	Electrical Class, Emergency Eyewash	B	087	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	69"	Relocate emergency eyewash so that controls are between 15"- 48" above finished floor.	1	530	\$530
212	Electrical Class	B	087	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	66"	Relocate first aid kit so that controls are between 15"- 48" above finished floor.	1	192	\$192
213	Trainer's Room	B	079	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach)	52"	Relocate hand sanitizer so that controls are between 15"- 48" above finished floor.	1	192	\$192
214	Donation Room	1	109	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach) Side reach > 54"	10" 59"	Relocate store items so that items are between 15"- 48" above finished floor.	1	Labor	\$0
215	Donation Room	1	109	Operable Parts	Other		Reach < 15" or > 48"(forward/side approach) Side reach > 54"	4.5" 72"	Relocate clothes so that items are between 15"- 48" above finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
216	Science Classroom	3	314	Operable Parts	Switch		Side reach > 54"	63"	Relocate fume hood controls so that they are 48" max. above finished floor.	1	192	\$192
217	Costume Room Near Auditorium	3		Operable Parts	Other		Side reach > 54"	85"	Relocate costumes so that controls are between 15" - 48" above finished floor.	1	Labor	\$0
218	Science Classroom	2	216	Operable Parts	Switch		Side reach > 54"	63"	Relocate fume hood controls so that they are 48" max. above finished floor.	1	192	\$192
219	Home Economics/ Special Needs Classroom	1	141	Operable Parts	Other		Side reach > 54"	74"	Relocate storage so that items are between 15" - 48" above finished floor.	1	Labor	\$0
220	Independent Living Room	1	133	Operable Parts	Other		Side reach > 54"	73"	Relocate storage so that controls are between 15" - 48" above finished floor.	1	Labor	\$0

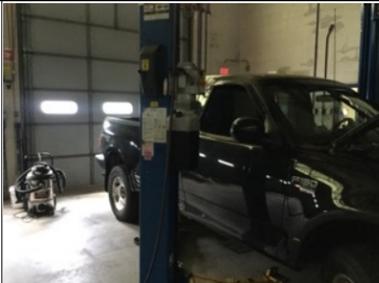
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
221	Physics Classroom	1	116	Operable Parts	Switch		Side reach > 54"	63"	Relocate fume hood controls so that they are 48" max. above the finished floor.	1	192	\$192
222	Science Prep Room	1	114	Operable Parts	Switch		Side reach > 54"	63"	Relocate fume hood controls so that they are between 15" - 48" above finished floor.	1	192	\$192
223	Culinary Arts/Medical Assistance Classroom	2	270	Operable Parts	Other		Side reach > 54"	60"	Relocate paper towel dispenser so that controls are between 15" - 48" above finished floor.	1	192	\$192
224	Culinary Arts/Medical Assistance Classroom	2	270	Operable Parts	Other		Side reach > 54"	63"	Relocate fire blanket so that controls are between 15" - 48" above finished floor.	1	192	\$192
225	School Store	2	251	Operable Parts	Clothes Rod/Hooks		Side reach > 54"	59"	Relocate clothes so that items are between 15" - 48" above finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
226	Environmental Science	2	212	Operable Parts	Equipment		Side reach > 54"	63"	Relocate fire blanket so that controls are between 15" - 48" above finished floor.	1	192	\$192
227	Wood Shop	1	174	Operable Parts	Equipment		Side reach > 54"	60"	Relocate emergency button so that controls are between 15" - 48" above finish floor.	1	192	\$192
228	Next to Stair 14	1	174	Operable Parts	Other		Side reach > 54"	59"	Relocate first aid kit so that controls are between 15" - 48" above finished floor.	1	192	\$192
229	Wood Shop	1	174	Operable Parts	Equipment		Side reach > 54"	55"	Relocate machine controls so that controls are between 15" - 48" above finished floor.	1	0	\$0
230	Wood Shop	1	174	Operable Parts	Equipment		Side reach > 54"	66"	Relocate machine controls so that controls are between 15" - 48" above finished floor.	1	0	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
231	Donation Room	1	109	Operable Parts	Clothes Rod/Hooks		Side reach > 54"	61"	Relocate coat hooks so that controls are between 15" - 48" above finished floor.	1	Labor	\$0
232	Automotive Technology Center Tools Area	1		Operable Parts	Equipment		Side reach > 54"	74.5"	Relocate tools so that controls are between 15" - 48" above finished floor.	1	Labor	\$0
233	Automotive Technology Center, Garage	1		Operable Parts	Equipment		Side reach > 54"	70"	Relocate car lift buttons so that controls are between 15" - 48" above finished floor.	1	0	\$0
234	Band Storage Room	2	284	Operable Parts	Clothes Rod/Hooks		Side reach > 54" No visible fire alarm provided within room	60"	Relocate coat hooks so that controls are between 15" - 48" above finished floor. When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	711	\$711
235	Speech Therapy and Social Skills Class	1	129	Operable Parts	Other		Forward reach if obstruction > 20"- 25" deep is > 44" high	56"	Ensure that folders are not higher than 44" above the finished floor.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
236	Science Classroom	1	112	Operable Parts	Other		Forward reach if obstruction > 20"- 25" deep is > 44" high	50"	Ensure that goggles are not higher than 44" above the finished floor.	1	192	\$192
237	Auditorium - Backstage	1	191	Operable Parts	Other		Forward reach if obstruction > 20"- 25" deep is > 44" high	63"	Ensure that paper towel dispenser is not higher than 44" above the finished floor.	1	192	\$192
238	Art Room	1	166	Operable Parts	Other		Side reach if obstruction > 24" deep is > 46" high	57"	Ensure that paper towel dispenser is not higher than 46" above the finished floor.	1	192	\$192
<b>Dining or Work Surfaces</b>												
239	Science Classroom	1	112	Dining or Work Surfaces	Work Surface				Relocate/swap at least one accessible lab table with inaccessible lab tables in Rooms 116, 216, and 314.	1	Labor	\$0
240	History Classroom	3	304	Dining or Work Surfaces	Work Surface		Not on a accessible route At least one or 5% accessible tables not provided	24" -	Ensure work surfaces are located on an accessible route by rearranging desks. Ensure that at least one work surface is accessible.	1	Labor 525	\$525

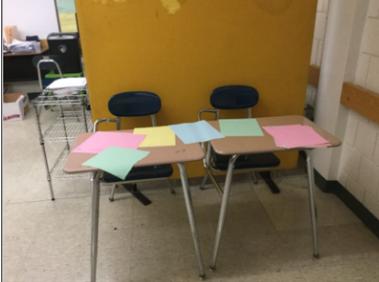
**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
241	English and College Preparation Classroom	3	311	Dining or Work Surfaces	Work Surface		Not on a accessible route At least one or 5% accessible tables not provided	22" -	Ensure work surfaces are located on an accessible route by rearranging desks. Ensure that at least one work surface is accessible.	1	Labor 525	\$525
242	Latin Classroom	3	335	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
243	Senior English Classroom	3	339	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
244	Spanish Classroom	3	318	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
245	French Classroom	3	319	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
246	ESL Classroom	2	240	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
247	American History Classroom	2	226	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
248	Instructional Media Center	1	155	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
249	Instructional Media Center	1	155	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
250	Speech Therapy and Social Skills Class	1	129	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
251	Geometry and Calculus Classroom	1	134	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
252	VTC/Special Education Room	1	140	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
253	Early Education and Care Room	1	118	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
254	ROTC - Bunker Room	1		Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
255	Culinary Arts/Medical Assistance Classroom	2	270	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided		Ensure that at least one work surface is accessible.	1	525	\$525

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
256	Choir Room	2	285	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided		Ensure that at least one work surface is accessible.	1	525	\$525
257	Classroom	2	201	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided		Ensure that at least one work surface is accessible.	1	525	\$525
258	Library	2	255	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
259	Automotive Technology Center, Classroom	Ext.		Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
260	Black Cat Cafe	B		Dining or Work Surfaces	Dining Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one dining surface is accessible.	1	825	\$825

**City of Salem  
Salem High School**

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261	Electrical Class	B	091	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
262	Computer Lab	1	101	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 25"	Ensure that at least one work surface is accessible. Provide at least 1 dining or work surface with 27" min. knee and toe clearance.	1	525	\$525
263	Computer Lab	1	182	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided Top of dining/work surface < 28" or > 34"	- 23" 26"	Ensure that at least one work surface is accessible. Provide at least 1 dining or work surface with 27" min. knee and toe clearance. Provide at least one dining or work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
264	Science Classroom	3	314	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide at least 1 work surface with 27" min. knee and toe clearance.  See ID #239	1	-	\$0
265	Science Classroom	2	216	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide at least 1 work surface with 27" min. knee and toe clearance.  See ID #239	1	-	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
266	Conference Room	1	158E	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
267	Conference Room	1	158C	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	26"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
268	Home Economics/ Special Needs Classroom	1	141	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
269	Independent Living Room	1	133	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
270	Physics Classroom	1	116	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Provide at least 1 work surface with 27" min. knee and toe clearance.  See ID 239	1	-	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
271	Health Suite Eye Exam	1	123c	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	25"	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
272	Music Practice Rooms	2	265	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided		Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
273	Wood Shop Classroom	1	172	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	8" d	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
274	Wood Shop	1	174	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
275	Automotive Technology Center, Garage Work Benches	1		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
276	Culinary Arts Class	B	057	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
277	Main Lobby	1		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided Top of dining/work surface < 28" or > 34"	- 36"	Provide at least 1 work surface with 27" min. knee and toe clearance. Provide at least one dining or work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
278	Art Room	1	166	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided Top of dining/work surface < 28" or > 34"	24" 36"	Provide at least 1 work surface with 27" min. knee and toe clearance. Provide at least one dining or work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
279	Lab Station in Classroom	3	314	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34"	37"	Provide at least one work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
280	Science Classroom	2	216	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34"	37"	Provide at least one work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
281	Physics Classroom	1	116	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34"	37"	Provide at least one work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
282	Science Prep Room	1	114	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34"	37"	Provide at least one work surface with tops between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
283	Speech	2	256	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34"	27"	Provide at least one work surface with top between 28"- 34" above the floor and 27" clear height underneath.	1	525	\$525
284	Music Classroom	2	283	Dining or Work Surfaces	Work Surface		Top of dining/work surface < 28" or > 34" No visible fire alarm provided within room	27"	Provide at least one work surface with tops between 28"- 34" above the floor and 27" clear height underneath. When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	1044	\$1044
<b>Assembly Area</b>												
285	Auditorium	1	100	Assembly Area	N/A		Number of seats Number of designated wheelchair spaces Companion seat not provided	644 8 -	Provide one companion seat for each wheelchair space. (Reposition accessible seats so all have a companion seat. Four (4) additional companion seats are required.)	4	530	\$2120

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Locker Room</b>												
286	Automotive Technology Center	1		Locker Room	N/A		Total # of locker Total # of accessible locker	36 0	Ensure at least one locker is accessible.	1	495	\$495
287	Girls' Locker Room	B		Locker Room	Women's		Total # of locker Total # of accessible locker 2% of lockers are not accessible	413 6 -	Ensure 2% of all lockers are accessible .	2	495	\$990
288	Visiting Team Rooms 1 and 2	B		Locker Room	N/A		Total # of locker Total # of accessible locker 2% of lockers are not accessible	48 0 -	Ensure 2% of all lockers are accessible .	2	495	\$990
289	Boys' Locker Room	B	074	Locker Room	Men's		Total # of locker Total # of accessible locker 2% of lockers are not accessible	415 0 -	Ensure 2% of all lockers are accessible .	8	495	\$3960
<b>Laboratory</b>												
290	Wood Shop	1	174	Laboratory			Accessories > 48"	54"	Lower controls and operable parts to 48" max. above the floor.	1	192	\$192

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Libraries</b>												
291	Library	2	255	Libraries	N/A		Card catalogs and magazine displays > 48" high	55"	Locate card catalogs and magazine displays 48" max. above the finished floor.	1	530	\$530
<b>Check-Out Aisles &amp; Retail Areas</b>												
292	School Store	2	251	Check-Out Aisles & Retail Areas	N/A		Dispensers or products > 48" high	58.5"	Ensure that dispensing devices are located no higher than 48 inches above finished floor.	1	Labor	\$0
<b>Toilet &amp; Bathing Rooms</b>												
<b>Overall Access</b>												
293	Faculty Lounge	1	185	Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided Sign to accessible toilet not provided Audible and visible alarms not provided	- - -	Provide one accessible wheelchair stall. Provide a directional sign indicating the location of the nearest accessible toilet or bathing room. When fire system is updated, ensure that a visible and audible fire alarm is installed.  (Cost estimate based on accessible wheelchair stall, directional sign, and visible and audible fire alarm.)	1	5330	\$5330
294	Boys' Toilet Room Near Room 359	3		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
295	Girls' Toilet Room Near Room 359	3		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
296	Staff Toilet Room in Cafeteria, Third Floor	3		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
297	Girls' Toilet Room Near Teacher's Lounge	3		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
298	Boys' Toilet Room Near Faculty Lounge	2		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
299	Girls' Toilet Room Near Faculty Lounge	2		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
300	Women's Staff Only Toilet Room	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
301	Men's Staff Only Toilet Room	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
302	Women's and Men's Staff Only Toilet Room	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
303	Boys' Toilet Room Near Room 149	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
304	Girls' Toilet Room Near Room 149	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
305	Girls' Toilet Room Near Teen Health Center	1		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
306	Hallway to Music Wing	2	Hall	Overall Access	Toilet Room		Sign to accessible toilet not provided		Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	2	174	\$348
307	Girls' Locker Room	B		Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
308	Boys' Locker Room	B	074	Overall Access	Toilet Room		Sign to accessible toilet not provided	-	Provide a directional sign indicating the location of the nearest accessible toilet or bathing room.	1	174	\$174
309	Men's and Women's Toilet Room	1	151	Overall Access	Toilet Room		International Symbol of Acc. not provided	-	Provide a sign with the International Symbol of Accessibility.	2	174	\$348

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Lavatory</b>												
310	Boys' Changing Room - Backstage	1	187	Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed Dispensers not within reach range	23" - 51"	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory. Relocate dispenser to 42" max. above the floor.	1	1863	\$1863
311	Girls' Changing Room - Backstage	1	188	Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed Dispensers not within reach range	23" - 51"	Provide at least one lavatory with knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory. Relocate dispenser to 42" max. above the floor.	1	1863	\$1863
312	Men's Toilet Room	2	Hall C	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	2	69	\$138
313	Automotive Technology Center, Women's Toilet Room	1	104	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
314	Automotive Technology Center, Men's Toilet Room	1	105	Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
315	Lobby at Main Entrance, Women's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
316	Lobby at Main Entrance, Men's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
317	Boys' Locker Room	B	074	Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 42"	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	261	\$261
318	Gymnasium Area, Women's Public Toilet Room	B		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- 54"	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	261	\$261
319	Girls' Locker Room	B		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40" Dispensers not within reach range	- 50" 51"	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. Relocate dispenser to 42" max. above the floor.	1	791	\$791

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
320	Gymnasium Balcony Area, Women's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40" Dispensers not within reach range	- 54" 51.5"	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. Relocate dispenser to 42" max. above the floor.	1	791	\$791
321	Gymnasium Balcony Area, Men's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40" Dispensers not within reach range	- 52" 50"	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. Relocate dispenser to 42" max. above the floor.	1	791	\$791
<b>Single-User Toilet</b>												
322	Girls' Accessible Toilet Room Near Room 149	1		Single-User Toilet			Flush control not on open side	-	Relocate the flush control to the open side.	1	281	\$281
323	Girls' Toilet Room Near Room 149	1		Single-User Toilet	N/A		Flush control not on open side Clearance at toilet < 72" clear depth	- -	Relocate the flush control to the open side. Provide a clear floor space that is 72" deep min. by removing table.	1	281	\$281
324	Gymnasium Area, Men's Public Toilet Room	B		Single-User Toilet	N/A		Flush control not on open side Toilet paper dispenser is not compliant	- -	Relocate the flush control to the open side. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	722	\$722

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
325	Boys' Accessible Toilet Room Near Room 359	3		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by relocating trash can.	1	Labor	\$0
326	Boys' Accessible Toilet Room Near Room 359	3		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by relocating trash can.	1	Labor	\$0
327	Boys' Accessible Toilet Room Near Teacher's Lounge	3		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by removing table in the room.	1	Labor	\$0
328	Girls' Accessible Toilet Room Near Teacher's Lounge	3		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by removing table in the room.	1	Labor	\$0
329	Health Suite Toilet Room	1	123	Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by relocating trash can.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
330	Teen Health Center - Toilet Room	1		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by relocating storage bin.	1	Labor	\$0
331	Girls' Accessible Toilet Room Near Room 359	3		Single-User Toilet	N/A		Clearance at toilet < 60" clear width Clearance at toilet < 72" clear depth	- - -	Provide a clear floor space that is 60" wide min. and 72" deep min. by removing desk and relocating trash can.	1	Labor	\$0
332	Gymnasium Area, Women's Public Toilet Room	B		Single-User Toilet	N/A		Toilet paper dispenser is not compliant	-	Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow.	1	530	\$530
<b>Toilet Compartment</b>												
333	Automotive Technology Center, Men's Toilet Room	1	105	Toilet Compartment	Accessible Compartment		Door has non-compliant hardware Door has malfunctioning self-closing hinge	- -	Ensure locking mechanism is maintained in operable working condition and does not require tight grasping, pinching or twisting of the wrist. Repair hinge.	1	Labor	\$0
334	Gymnasium Balcony Area, Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Flush control not on open side Non-compliant toilet paper dispenser Centerline < or > 18" (MAAB)	33" - - 23"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Provide the flush control on the open side of the toilet (transfer side). Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Relocate toilet so the centerline is 18" from the side wall.	1	3617	\$3617

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
335	Lobby at Main Entrance, Men's Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Flush control not on open side Centerline < or > 18" (MAAB)	35" - 24"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Provide the flush control on the open side of the toilet (transfer side). Relocate toilet so the centerline is 18" from the side wall.	1	2987	\$2987
336	Gymnasium Balcony Area, Men's Toilet Room	1		Toilet Compartment	Accessible Compartment		Side grab bar < 42" long Non-compliant toilet paper dispenser Centerline < or > 18" (MAAB)	37" - 24"	Provide a side wall grab bar that is 42" long min. located 12" max. from the rear wall. Relocate toilet paper so that it is 15" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Replace dispenser if it does not allow continuous paper flow. Relocate toilet so the centerline is 18" from the side wall.	1	3325	\$3325
337	Automotive Technology Center, Women's Toilet Room	1	104	Toilet Compartment	Accessible Compartment		Flush control not on open side Coat hook > 48"	- 67"	Provide the flush control on the open side of the toilet (transfer side). Lower coat hook so that it is no higher than 48".	1	305	\$305
338	Lobby at Main Entrance, Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Centerline < or > 18" (MAAB)	24"	Relocate toilet so the centerline is 18" from the side wall.	1	2121	\$2121
<b>Urinal</b>												
339	Boys' Locker Room	B	074	Urinal	N/A		Rim > 15" high (MAAB) Flush control is > 44" high or not properly located	24" 52"	Provide at least one urinal with the rim no higher than 15" above the finished floor. Mount flush control at 44" max. above the finished floor.	1	2717	\$2717

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
340	Gymnasium Balcony Area, Men's Toilet Room	1		Urinal	N/A		Rim > 15" high (MAAB) Flush control is > 44" high or not properly located	24" 51"	Provide at least one urinal with the rim no higher than 15" above the finished floor. Mount flush control at 44" max. above the finished floor.	1	2717	\$2717
341	Lobby at Main Entrance, Men's Toilet Room	1		Urinal	N/A		Rim > 15" high (MAAB) Flush control is > 44" high or not properly located Urinal recessed > 24" deep has < 36" clear width	24" 51" 28"	Provide at least one urinal with the rim no higher than 15" above the finished floor. Mount flush control at 44" max. above the finished floor. If urinal is recessed greater than 24" ensure there is a clear width of 36".	1	3190	\$3190
342	Boys' Changing Room - Backstage	1	187	Urinal	N/A		Rim > 15" high (MAAB) Flush control too high or not properly located	- -	Provide at least one urinal with the rim no higher than 15" above the finished floor. Mount flush control at 44" max. above the finished floor.	1	2717	\$2717
<b>Dispensers</b>												
343	Men's Toilet Room	2	Hall C	Dispensers	Paper Towel Dispenser		Controls > 42" high Clear floor space not provided at accessory	48" -	Relocate so the operable part is 42" max. above the finished floor. Provide a 30" min. by 48" min. clear floor space or relocate dispenser.	2	530	\$1060
<b>Shower Compartment</b>												
344	Girls' Locker Room, Showers	B		Shower Compartment	Transfer Type		Clear space at transfer shower > 48" x 36"	-	Provide a 48" x 36" clear floor space for a transfer shower by relocating scale.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
345	Girls' Locker Room, Showers	B		Shower Compartment	Transfer Type		Seat is not padded (MAAB)	-	Provide a padded shower seat.	1	450	\$450
346	Boys' Locker Room	B	074	Shower Compartment	Transfer Type		Seat is not padded (MAAB)	-	Provide a padded shower seat.	1	450	\$450
347	Health Suite Toilet Room	1	123	Shower Compartment	Transfer Type		Accessible shower not provided	-	Provide at least one accessible shower.	1	Labor	\$0
<b>Toilet Rooms for Children</b>												
<b>Single-User Toilet</b>												
348	Teen Parent Room/ Preschool Toilet Room	1	125	Single-User Toilet	N/A		Inadequate maneuvering clearances	-	Provide a clear floor space that is 60" wide min. and 72" deep min. by providing a fold-down baby changing table.	1	Labor	\$0
<b>Lavatory</b>												
349	Teen Parent Room/ Preschool Toilet Room	1	125	Lavatory	N/A		Toe or knee clearances not provided	22"	Provide at least one lavatory with 25" min. knee clearance positioned for a forward approach. Ensure toe clearance is also provided.	1	1265	\$1265

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
350	Drinking Fountains Near Room 226	2		Drinking Fountains	Hi-Lo		Operable parts malfunctioning	-	Repair or replace drinking fountain to ensure it remains in operable working condition.	1	Labor	\$0
351	Drinking Fountains Near Stairwell 8	1		Drinking Fountains	Hi-Lo		Operable parts malfunctioning	-	Repair or replace drinking fountain to ensure operable parts can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	Labor	\$0
352	Cafeteria	2		Drinking Fountains	Hi-Lo		Operable parts malfunctioning	-	Repair or replace drinking fountain to ensure operable parts can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	Labor	\$0
353	Hall by Stair 3	1	Stair 3	Drinking Fountains	Hi-Lo		Operable parts malfunctioning	-	Repair or replace drinking fountain to ensure operable parts can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	Labor	\$0
354	Gymnasium Area	B		Drinking Fountains	High		Operable parts malfunctioning	- -	Repair or replace drinking fountain to ensure operable parts can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
355	Hall B	1	Hall	Drinking Fountains	Low		Inadequate water flow No drinking fountain provided for standing users Knee or toe clearance not provided	- - 26"	Repair drinking fountain to provide adequate water flow. Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain. Provide knee and toe clearance, 27" min. high at drinking fountain for seated users.	1	Labor 3021	\$3021
356	Automotive Technology Center	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	3021	\$3021
357	Girls' Locker Room	B		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	3021	\$3021
358	Boys' Locker Room	B	074	Drinking Fountains	Low		No drinking fountain provided for standing users Seated height fountain does not have cane protection	- -	Provide an additional drinking fountain for standing users. Provide a cane-detectable barrier skirt under the high unit.	1	3689	\$3689
359	Lobby at Main Entrance, Near Toilet Rooms	1		Drinking Fountains	Low		No drinking fountain provided for standing users Knee or toe clearance not provided	- 26"	Install a Hi-Lo drinking fountain.	1	3162	\$3162

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Sink</b>												
360	Science Classroom	2	216	Sink	Classroom		Clear floor space not provided at sink	-	Provide a 30" by 48" clear floor space positioned for a forward approach by removing table and can.	1	Labor	\$0
361	Science Classroom	2	216	Sink	Classroom		Clear floor space not provided at sink	-	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter.	1	Labor	\$0
362	Physics Classroom	1	116	Sink	Classroom		Clear floor space not provided at sink	- -	Provide a 30" by 48" clear floor space positioned for a forward approach by removing clutter.	1	Labor	\$0
363	Physics Classroom	1	116	Sink	Classroom		Clear floor space not provided at sink	-	Provide a 30" by 48" clear floor space positioned for a forward approach by removing trash can.	1	Labor	\$0
364	Science Classroom	1	112	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach by removing clutter.	1	Labor	\$0

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
365	Art Room	1	166	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach.	1	1265	\$1265
366	Culinary Arts Class	B	057	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach.	1	1265	\$1265
367	Culinary Arts Class	B	057	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach.	1	1265	\$1265
368	Black Cat Cafe, Staff Sink	B		Sink	Other		Toe and knee clearances not provided Dispenser not within reach range	- 58"	Ensure there is a 27" knee clearance positioned for a forward approach. Relocate dispenser 48" max. above the finished floor or ground.	1	1795	\$1795
369	Culinary Arts Class	B	057	Sink	Classroom		Exposed plumbing underneath sink Dispenser not within reach range	- 59"	Insulate or otherwise configure pipes at sink. Relocate dispenser 48" max. above the finished floor or ground.	1	599	\$599

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
370	Classroom	1	184	Sink	Classroom		Dispenser not within reach range	-	Relocate dispenser 48" max. above the finished floor or ground.	1	530	\$530
371	Wood Shop	1	174	Sink	Classroom		Dispenser not within reach range	53.5"	Relocate dispenser 48" max. above the finished floor or ground.	1	530	\$530
<b>Storage</b>												
372	ROTC - Supply and Uniform Room	1	137A	Storage	N/A		Storage operable parts > 48" high	72"	Lower storage so that operable parts are 48" max. above finished floor.	1	530	\$530
<b>Fire Alarms</b>												
373	Band Room	2	266	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
374	Culinary Arts/Medical Assistance Classroom	2	270	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
375	Culinary Arts Classroom	2	280	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
376	Orchestra	2	282	Fire Alarms	Classroom		No visible fire alarm provided within room		When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
377	Office	2	281	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
378	Stair 16	2	Stair 16	Fire Alarms	Stair		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
379	Choir Room	2	285	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
380	Hall by Band Room	2	266	Fire Alarms	Other		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
381	Speech	2	256	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
382	Office	2	250B	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
383	Office	2	249C	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
384	Office	2	249E	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
385	Office	2	249F	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
386	Office	2	249A	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
387	Art Room	1	166	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
388	Classroom	1	184	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
389	Wood Shop Classroom	1	171	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
390	Wood Shop Classroom	1	172	Fire Alarms	Classroom		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
391	District ELL	1	151	Fire Alarms	Office		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
392	Fitness Center	B	062	Fire Alarms	N/A		No visible fire alarm provided within room	-	When fire system is updated, ensure that a visible fire alarm is installed in each room.	1	519	\$519
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
393	Playground Near Exit #44	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components	-	Ensure an accessible route is provided to one of each type of ground level play components  (Cost based on 215' by 4' wide asphalt route around playground and a 30' long by 5' wide poured in place rubber route to swings.)	1	8633	\$8633
<b>Field</b>												
394	Soccer Field	Ext.		Field	Soccer		Accessible spaces not provided at sidelines seating	-	Provide a 36" x 48" clear floor space at sidelines seating. Ensure bleachers are connected to an accessible route.  (Cost based on 100' by 4' wide asphalt route to bleachers an clear floor spaces on each side.)	1	2556	\$2556

**City of Salem  
Salem High School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
395	Field Across Doors From Gymnasium	Ext.		Field	Soccer		Field not connected to an accessible route	-	Ensure edge of field is connected to an accessible route.  (Cost based on 15' by 4' wide asphalt route to edge of field.)	1	383	\$383
396	Soccer Field	Ext.		Field	Soccer		Field not maintained in operable working condition	-	Ensure soccer field is maintained in operable working condition.	1	Labor	\$0
397	Field Across Exits From Gymnasium	Ext.		Field	N/A		Field not maintained in operable working condition	-	Ensure field is maintained in operable working condition.	1	Labor	\$0
<b>Court</b>												
398	Gymnasium Area, Bleachers	B		Court	Basketball		Accessible spaces are not provided at sidelines seating	-	Provide a 36" x 48" clear floor space at sidelines seating.	1	Labor	\$0

## Saltonstall School



## City of Salem

### ADA Transition Plan

November 2019



Institute for Human Centered Design

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## Saltonstall School

### Background

The Saltonstall School, located at 211 Lafayette Street, serves 372 students between kindergarten and grade eight. Saltonstall is a bilingual school in which English and Spanish are the main languages spoken; morning announcements, report cards, and other notices are all given in both languages.

The building has 16 emergency exits, including the main entrance and the accessible entrance (Exit #2); nine (9) of them are accessible. Parking is provided in the small lot with a total of six (6) parking spaces, including two (2) designated accessible parking spaces.

Saltonstall School is a four (4) floor building with a sub-basement and a basement connected by a central elevator and a set of interior stairs. Classrooms, nurse's office, main office, auditorium, and library are located on the first floor, the Norman H. Read Discovery Center and additional classrooms are located on the second floor, the gym is located in the sub-basement, the cafeteria and additional classrooms are located in the basement. Multi-user and single-user toilet rooms are located in the basement, as well as on the first and second floors.

Exterior amenities include a community garden, two (2) playground areas, and a small parking lot with 17 parking spaces including two (2) accessible parking spaces.

### Key Accessibility Issues

#### Exterior Access Routes

The route to the accessible entrance from the accessible parking lot has multiple instances where the cross slope is excessive. Also of concern is the lack of a compliant landing at the east side entrance to the school area near the playgrounds. Additionally, the route to Emergency Exits #5 and #6 have an excessive

running slope, and benches in the area lack accessible routes to them.

#### Parking

Accessibility issues include lack of a compliant van access aisle and lack of the designation "Van Accessible" at one of the identification signs.

#### Emergency Exits

Accessibility issues include lack of tactile signs (raised characters and braille) at all of the emergency exits, lack of illuminated exit signs with the International Symbol of Accessibility (ISA) and lack of directional signage at the inaccessible exits indicating the location of the nearest accessible exits. Additionally, in the vestibule before Exit #4, (west side of the school), there is a noncompliant running slope. While this is technically not compliant, the exit is not accessible but the area is still generally usable.

#### Interior Routes

Accessibility issues include lack of mats that are securely attached, accessible routes in the classrooms lack at least 36" minimum width. Most of these issues are due to clutter.

#### Vertical Access

The lift that provides users access to the auditorium stage was not in operable working condition at the time of the survey, due to a set of stairs to the auditorium that are in the way of the door at the lower level. The school's elevator has call buttons that are located higher than the maximum 42" allowed.

#### Sinks

The major accessibility issue includes lack of accessible sinks (with knee and toe clearance) at most of the classrooms. The sinks in the Art Room are a good example of an accessible sink design that can be replicated in other rooms throughout the school.

#### Playground

Accessibility issues include lack of an accessible route around the playground at one of the playgrounds and lack of an accessible routes to each play component in the playground.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

#### Toilet Rooms

Accessibility issues include mirrors located higher than the maximum height allowed, objects in the clear floor space in the single-user toilet rooms and side grab bars that are located lower than the minimum height allowed.

#### **Additional Accessibility Issues**

- Drinking fountains lack cane-detectable barriers under the standing height fountains.
- Lack of maneuvering clearance at doors due to trash and recycling cans.
- Lack of an accessible picnic table (near upper playground).
- Some classrooms lack work surface with knee and toe clearance.
- Lack of designation signs or not located on the latch side of the door or is covered by paper signs.
- Handrails on the ramp on the east side of the building that are not continuous.
- Door to the music room requires more than 5 lbs. of force to open.

#### **Order of Magnitude Cost Estimates**

- Renovate exterior routes: \$3,420
- Relocate elevator button controls: \$1,446
- Provide work surfaces with knee clearance: \$1,575
- Provide compliant emergency egress and designation signage: \$5,997

- Sink repairs in classrooms: \$10,120
- Toilet room renovations: \$9,574
- Playground renovations: \$53,325
- Drinking fountain repairs: \$2,004
- Miscellaneous corrective actions (parking, thresholds, picnic table, etc.): \$2,422

**Total: \$89,883**

#### **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.

- IHCD strongly recommends exploring the possibility of an alternative surface to engineered wood fiber (EWF). Overtime, EWF requires continuous maintenance to ensure the surface is maintained in operable working condition (stable, firm and slip-resistant). In addition, when used in combination with other surfaces required for accessible routes to play components in Massachusetts, it will present a challenge to prevent level changes at the transition points between EWF and other surfaces, and to keep the accessible routes clear of EWF.
- Recommend ensuring that visible fire alarms are clearly visible from accessible stalls in all multi-user toilet rooms.
- In Room #214, recommend moving homework receptacle to a more easily accessible location.
- At the staircase leading to the gym, recommend providing tactile, brightly colored strips at the edges of each stair.
- At doorway near Room #111 and all other doors that are not connected to rooms, recommend removing door so as to avoid confusion in the function of the area.

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	At Main Entrance	Ext.		Exterior Access Route	Exterior		Cross slope > 1:50 (2.00%)	6.2%	Reduce cross slope to be no steeper than 1:50 (2.00%).  (Cost based on 8' by 4' wide concrete to fix slope.)	1	84	\$84
2	Route to Main Entrance From Parking	Ext.		Exterior Access Route	Exterior		Cross slope > 1:50 (2.00%)	3.3%	Reduce cross slope to be no steeper than 1:50 (2.00%).  (Cost based on 4' by 4' concrete to fix slope.)	1	42	\$42
3	Route to Exits #5 and #6	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%)	7.6%	Reduce running slope to be no steeper than 1:20 (5%).  (Cost based on 10' by 4' wide concrete to fix slope.)	1	105	\$105
4	At Upper Playground	Ext.		Exterior Access Route	Exterior		Route not maintained in operable working condition	-	Repair surface to ensure is maintained in operable working condition.  (Cost based on 3' by 3' path of concrete.)	1	155	\$155
<b>Curb Ramp</b>												
5	East Side Entrance, Near Playgrounds	Ext.		Curb Ramp	Perpendicular		Running slope > 1:12 (8.33%) Landing not provided at top of curb ramp	17.7% 5.7%	Reduce running slope to be no steeper than 1:12 (8.33%). Provide landing at top of curb ramp or reconfigure ramp.	1	2800	\$2800

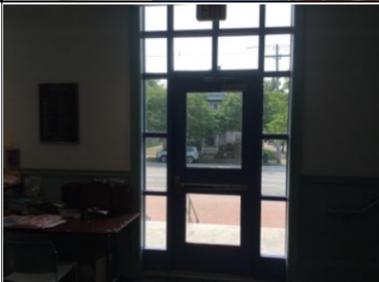
**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Off-Street Parking Lot or Garage</b>												
6	Parking Lot	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible"	17 2 66" -	Provide a marked access aisle that is at least 96" wide. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	600	\$600
<b>Entrance</b>												
7	Exit #1, Main Entrance	Ext.		Entrance	Main Entrance		Directional sign to accessible entrance not provided	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
<b>Emergency Exit</b>												
8	Exit #5	Ext.		Emergency Exit	N/A		Directional sign to accessible emergency exit not provided		Provide a directional sign on the interior of the door indicating the location of the nearest emergency exit.	1	174	\$174
9	Exit From Gym to Stairs	SB	001	Emergency Exit	111		Directional sign to accessible emergency exit not provided	-	Provide a directional sign indicating the location of the nearest emergency exit.	1	174	\$174
10	Exit #4	1		Emergency Exit	N/A		Threshold > 3/4" high	1.5"	Alter threshold to be 3/4" high max.	3	113	\$339

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Access to Goods and Services</b>												
<b>Means of Egress</b>												
11	Exit #8, Near Elevator	B		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure an illuminated exit sign with the International Symbol of Accessibility (ISA) is provided at exit door. 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.	1	274	\$274
12	Route to Accessible Entrance. Exit #2, From Hallway	1		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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.	1	274	\$274
13	Exit #3	1	102	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility B. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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.	1	274	\$274
14	Exit #13	Ext.		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility B. Tactile exit sign not provided	- -	Ensure illuminated exit sign inside contains the International Symbol of Accessibility (ISA). Ensure a tactile exit sign with raised characters and braille is provided on the interior of exit doors. Mount sign between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274
15	Exit #11	Ext.		Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility B. Tactile exit sign not provided	- -	Ensure illuminated exit inside sign contains the International Symbol of Accessibility (ISA). Ensure a tactile exit sign with raised characters and braille is provided on the interior of exit door. Mount sign between 48"- 60" above finished floor located on the latch side of the door.	1	274	\$274

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
16	Exit #9	B	07	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility B. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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.	1	274	\$274
17	Exit #10	B	08	Means of Egress	N/A		Illuminated sign lacks the International Symbol of Accessibility B. Tactile exit sign not provided	- -	Ensure illuminated exit sign contains the International Symbol of Accessibility (ISA). 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.	1	274	\$274
18	Exit #14	Ext.		Means of Egress	N/A		Emergency exit not on an accessible route	-	Provide a directional sign on the interior of the door indicating the location of the nearest emergency exit.	1	174	\$174
19	Exit #4	1		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit 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. Provide a directional sign indicating the location of the nearest emergency exit.  (Cost based on 3 tactile signs and one directional sign.)	1	696	\$696
20	Exit #16 in Stair #2	1	122	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	348	\$348

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Exit From Gym to Stairs	SB	001	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	348	\$348
22	Exit #15, Near Kitchen	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	348	\$348
23	Exit #6 in Stair #1	1		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit not provided Mat not securely attached	- - -	Ensure a tactile exit sign with raised characters and braille is provided at exit door. Mount signs 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. Securely attach mat.	1	348	\$348
<b>Interior Access Route</b>												
24	Classroom	1	110	Interior Access Route	N/A		Route < 36" wide	25"	Relocate book stand and trash can to maintain the 36" min. clear width at the accessible route.	1	Labor	\$0
25	Art Room	1	109	Interior Access Route	N/A		Route < 36" wide	-	Relocate drinking rack to maintain the 36" min. clear width at the accessible route.	1	Labor	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Near Gym and Stair #1	SB		Interior Access Route	N/A		Route < 36" wide	-	Relocate trash bin and other equipment to maintain the 36" min. clear width at the accessible route and the maneuvering clearance at the elevator.	1	Labor	\$0
27	Norman H. Read Discover Center	2	206	Interior Access Route	N/A		Route < 36" wide	23"	Relocate microscope cart to maintain the 36" min. clear width at the accessible route.	1	Labor	\$0
28	Math Classroom	2	205	Interior Access Route	N/A		Route < 36" wide	20"	Rearrange desks to ensure the 36" min. clear width is maintained at the accessible route.	1	Labor	\$0
29	One on One Room	2	224	Interior Access Route	N/A		Route < 36" wide	30"	Ensure that a clear width of 36" min. is maintained at the accessible route by relocating cart.	1	Labor	\$0
30	Classroom	2	221	Interior Access Route	N/A		Route < 36" wide	18"	Relocate cabinet to ensure the 36" min. clear width is maintained at the accessible route.	1	Labor	\$0

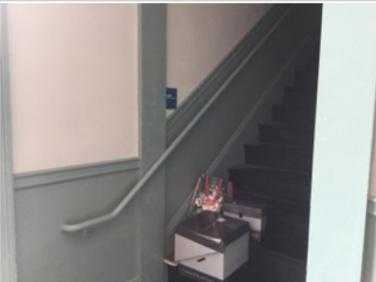
**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
31	Classroom	2	214	Interior Access Route	N/A		Route < 36" wide	25"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
32	Classroom	1	123	Interior Access Route	N/A		Obstructed by protruding objects	69"	Relocate tassles.	1	Labor	\$0
33	Vestibule With Exit #4	1		Interior Access Route	N/A		Running slope > 1:20 (5%)	6.5%	While not technically compliant, this space is still usable.	1	-	\$0
34	Routes Into Gym	SB	001	Interior Access Route	N/A		Running slope > 1:20 (5%)	11.9%	Provide compliant handrails with 1 1/4"- 2" circular cross sections. While slope is still technically not compliant, it is generally usable.  (Cost based on two handrails per entrance at 3' long.)	2	198	\$396
35	Vestibule With Exit #4	1		Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats.	2	Labor	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
36	Classrooms Throughout School	1	All	Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats.	19	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
37	Reading Room	1	107	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	11"	Relocate trash can and rearrange furniture to maintain the maneuvering clearance at the door.	1	Labor	\$0
38	One on One Room	1	108	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	9.5"	Rearrange furniture to maintain the maneuvering clearance at the door.	1	Labor	\$0
39	Office	1	128	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate trash can and desk to maintain the maneuvering clearance at the door.	1	Labor	\$0
40	Cafeteria	B		Doors, Doorways, & Gates	N/A		Maneuvering clearance(s) not provided	-	Relocate table to maintain the maneuvering clearance at the door.	1	Labor	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
41	Hallway Near #216	2		Doors, Doorways, & Gates	Circulation		Threshold not beveled	-	Bevel threshold.	1	113	\$113
42	Boys' Toilet Room Near #214	2		Doors, Doorways, & Gates	N/A		Threshold not beveled	-	Bevel threshold at metal plate near the entrance to the toilet room.	1	113	\$113
43	Music Room	B	018	Doors, Doorways, & Gates	Classroom		Door requires > 5 lbs. of force to open	17 lbs.	Adjust closer so door does not require more than 5 pounds of force to open.	1	Labor	\$0
<b>Stairways</b>												
44	Stairs to Balcony in Auditorium	1		Stairways	Interior		Not maintained in operable working condition	-	Remove storage from stairs to ensure stairs are maintained in operable working condition.	1	Labor	\$0
<b>Platform Lift or LULA Elevator</b>												
45	Lift to Stage	1		Platform Lift or LULA Elevator	Interior		Not in operable working condition	-	Redesign this area to provide a clear floor space at the lift and an accessible route to the stage.	1	-	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Elevator</b>												
46	Elevator	1		Elevator	Interior		Emergency communication systems > 48"	65"	Lower the emergency call "Cancel" button to 48" max. above the floor.	1	1446	\$1446
<b>Signage</b>												
47	Classroom	1	122	Signage	Designation		Not provided	-	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
48	Door to Rooms #127 and #128	1		Signage	Directional		Not provided	-	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
49	Near Room #111	1		Signage	Designation		Not provided	-	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
50	Classroom	1	101	Signage	Designation		Not provided	-	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
51	Norman H. Read Discover Center	2	206	Signage	Designation		Text size non-compliant	-	Ensure that character size complies with the Character Height Table 703.5.5 in the ADA 2010 Standards.	1	174	\$174
52	One on One Room	1	108	Signage	Designation		Not maintained in operable working condition	-	Remove paper to ensure sign is usable by people who are blind or low vision.	1	0	\$0
53	Classroom	1	119	Signage	Designation		Not maintained in operable working condition	-	Remove paper to ensure sign is usable by people who are blind or low vision.	1	0	\$0
54	Toilet Room Near Room #123	1	123	Signage	Designation		Not maintained in operable working condition	-	Remove paper to ensure sign is usable by people who are blind or low vision.	1	0	\$0
<b>Operable Parts</b>												
55	Norman H. Read Discover Center	2	206	Operable Parts	Other		Clear floor space is not provided	-	Ensure a 30" min. by 48" min. clear floor space is provided at smart board.	1	Labor	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
56	Girls' Toilet Room	1		Operable Parts	Other		Not operable with a closed fist	-	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.	1	150	\$150
<b>Dining or Work Surfaces</b>												
57	Norman H. Read Discover Center	2	206	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 23"	Ensure that at least one work surface is accessible. Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525
58	Classroom	2	207	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided Knee or toe clearance not provided	- 23"	Ensure that at least one work surface is accessible. Provide at least one work surface with 27" min. knee and toe clearance.	1	525	\$525
59	Reading Room	1	107	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Adjust work surface to have 27" min. knee and toe clearance.	1	Labor	\$0
60	Classroom	1	120	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22.25"	Adjust at least 1 work surface to have 27" min. knee and toe clearance.	1	Labor	\$0

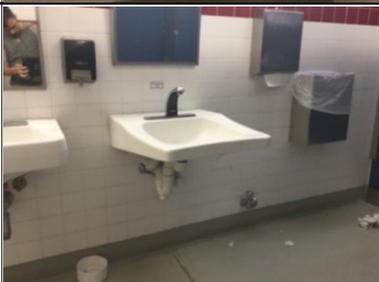
**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
61	Classroom	1	122	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	22"	Adjust at least 1 work surface to have 27" min. knee and toe clearance.	1	Labor	\$0
62	Classroom	1	123	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	21.75"	Adjust at least 1 work surface to have 27" min. knee and toe clearance.	1	Labor	\$0
63	Classroom, Chill Zone Desk	2	207	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 27" min. knee and toe clearance.	1	525	\$525
64	Classroom	2	221	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	24"	Adjust at least 1 work surface to have 27" min. knee and toe clearance.	1	Labor	\$0
<b>Picnic Tables</b>												
65	Picnic Tables Near Upper Playground	Ext.		Picnic Tables	N/A		At least 5% accessible spaces not provided	-	Ensure that at least 5% (minimum one) of dining surfaces are accessible.	1	1050	\$1050

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Benches</b>												
66	Bench Near Main Entrance	Ext.		Benches	N/A		Not connected to an accessible route	-	Ensure that at least one of the benches in this area is on an accessible route.	1	117	\$117
67	Bench Near Playground	Ext.		Benches	N/A		Not connected to an accessible route	-	Ensure bench is located on an accessible route.	1	117	\$117
<b>Toilet &amp; Bathing Rooms</b>												
<b>Lavatory</b>												
68	Toilet Room in Nurse's Office	1	126A	Lavatory	N/A		Toe or knee clearances not provided Dispensers not within reach range	22" 52.5"	Provide a lavatory with knee and toe clearance positioned for a forward approach. Relocate dispenser to 42" max. above the finished floor.	1	1795	\$1795
69	Toilet Room Near Room #123	1		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42.25"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
70	Girls' Toilet Room	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
71	Boys' Toilet Room	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
72	Girls' Toilet Room Near #221	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	43"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
73	Boys' Toilet Room Near #214	2		Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	44"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
74	Toilet Room	B	024	Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
75	Boys' Toilet Room Near Cafeteria	B	028	Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
76	Girls' Toilet Room Near Cafeteria	B	027	Lavatory	N/A		Mirror above lavatory w/reflective surface > 40"	42"	Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	192	\$192
<b>Single-User Toilet</b>												
77	Toilet Room in Nurse's Office	1	126A	Single-User Toilet	N/A		Toilet seat < 17" or > 19" high Flush control not on open side Side or rear grab bar < 33" or > 36" high Clearance at toilet < 60" clear width	15.25" - 23.25" -	Install a toilet with a seat between 17"- 19" high above the finished floor. Relocate the flush control to the open side. Mount grab bars 33"- 36" above the floor. Remove storage to maintain the required 60" min. clear floor at the toilet.	1	2290 Labor	\$2290
78	Toilet Room	B	024	Single-User Toilet	N/A		Side or rear grab bar < 33" or > 36" high	24"	Mount side grab bar 33"- 36" above the floor.	1	384	\$384
79	Toilet Room Near Room 123	1		Single-User Toilet	N/A		Side or rear grab bar < 33" or > 36" high Clearance at toilet < 60" clear width	25" -	Mount side grab bar 33"- 36" above the finished floor. Remove desk to maintain the 60" min. clear floor space at the toilet.	1	384 Labor	\$384
80	Girls' and Boys' Toilet Rooms Near 221	2		Single-User Toilet	N/A		Side or rear grab bar < 33" or > 36" high Clearance at toilet < 60" clear width	26" -	Mount side grab bar 33"- 36" above the finished floor. Remove desk to maintain the 60" min. clear floor space at the toilet.	2	384 Labor	\$768

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Toilet Compartment</b>												
81	Boys' Toilet Room Near Cafeteria	B	028	Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Side or rear grab bar < 33" or >36" high	- 24"	Repair hinge. Locate side grab bar between 33"- 36" above the finished floor.	1	384	\$384
82	Girls' Toilet Room Near Cafeteria	B	027	Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge Side or rear grab bar < 33" or >36" high	- 24"	Repair hinge. Locate side grab bar between 33"- 36" above the finished floor.	1	384	\$384
83	Boys' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high	24.5"	Locate grab bars between 33"- 36" above the finished floor.	1	384	\$384
84	Girls' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high	25"	Locate side grab bar between 33"- 36" above the finished floor.	1	384	\$384
85	Boys' Toilet Room	2		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high	25"	Locate side grab bar between 33"- 36" above the finished floor.	1	384	\$384

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
86	Girls' Toilet Room	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 33" or >36" high Coat hook > 48"	24.75" 53"	Locate side grab bar between 33"- 36" above the finished floor. Lower coat hook so that it is no higher than 48".	1	497	\$497
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
87	First Floor Hallway	1		Drinking Fountains	Hi-Lo		Operable parts malfunctioning Standing height fountain does not have cane protection	- -	Ensure drinking fountain is maintained in working condition. Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
88	Near Toilet Rooms	2		Drinking Fountains	Hi-Lo		Standing height fountain does not have cane protection	-	Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
89	Near Toilet Rooms and Cafeteria	B	027	Drinking Fountains	Hi-Lo		Standing height fountain does not have cane protection	-	Provide a cane-detectable barrier skirt under the high unit.	1	668	\$668
<b>Sink</b>												
90	Art Room	1	109	Sink	Classroom		Clear floor space not provided at sink	-	Relocate trash can to maintain the 30" by 48" clear floor space positioned for a forward approach at the sink  Note: This design is a good example to use at other classroom sinks throughout the school.	2	0	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
91	Classrooms Throughout School	1	All	Sink	Classroom		Toe and knee clearances not provided	-	Ensure there is a 27" knee clearance positioned for a forward approach.	8	1265	\$10120
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
92	Upper Playground	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components Surface not stable, firm, and slip-resistant	-	Ensure an accessible route that is stable, firm and slip-resistant is provided to each play component.  (Cost based on 85' by 5' wide poured-in-place rubber.)	1	8925	\$8925
93	Playground, Lower Level	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components Surface not stable, firm, and slip-resistant	-	Ensure an accessible route that is stable, firm and slip-resistant is provided to each play component.  (Cost based on 350' by 5' wide poured-in-place rubber.)	1	36750	\$36750
94	Playground, Lower Level	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components Surface not stable, firm, and slip-resistant	-	Ensure an accessible route that is stable, firm and slip-resistant is provided to each play component.  See ID #93 for cost.	1	-	\$0
95	Playground, Lower Level	Ext.		Play Areas	N/A		Accessible route not provided to ground level play components Surface not stable, firm, and slip-resistant	-	Ensure an accessible route that is stable, firm and slip-resistant is provided to each play component.  See ID #93 for cost.	1	-	\$0

**City of Salem  
Saltonstall School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
96	Playground, Lower Level	Ext.		Play Areas	N/A		Accessible route not provided around the playground	-	Provide a 48" min. wide accessible route around the playground.  (Cost based on 300' by 4' wide asphalt route around perimeter of playground.)	1	7650	\$7650
97	Route to Playground, Lower Level	Ext.		Play Areas	1		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working condition.	1	Labor	\$0

# Witchcraft Heights Elementary School



City of Salem

ADA Transition Plan

December 2019



Institute for Human Centered Design

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## Witchcraft Heights Elementary School

### Background

Witchcraft Heights Elementary School, located at 1 Frederick Street, is for children from kindergarten to 5<sup>th</sup> grade. The school has three (3) floors in total, with a basement, first floor, and second floor. There are a series of lifts and ramps that allow access to all three (3) floors. One lift allows access to the basement level from the first floor near the OT/PT room. Another stair lift allows access to the stage in the cafeteria and to the OT/PT room. This lift was, however, not operable at the time of the survey. The first and second floors, on the south side of the school, have a series of ramps from the main entrance area and between the C and D hallways. There is also an elevator in this area that gives access to the first and second floor.

The gym and music rooms are located in the basement, the cafeteria, main office, nurse's office and classrooms are located on the first floor, and additional classrooms are located on the second floor. Amenities outside include a playground, a basketball court, a baseball field, and two (2) parking areas. There are 14 emergency exits in the building, 11 of which are accessible including the main entrance. There are 101 parking spaces distributed among three parking lots for visitors and staff; five (5) parking spaces are labeled as accessible.

**Note:** The parking area by the baseball field extending to the west side of the school was not surveyed. IHCD team has been informed that all three parking areas have been re-striped since the date of the survey.

### Key Accessibility Issues

#### Parking

Both surveyed parking lots have very faded striping, so the IHCD survey team was unable to properly survey the size of the accessible spaces and access aisles. There is also a lack of a parking space with the designation "Van Accessible."

#### Exterior Access Routes

There are multiple instances, such as the route to the playground, where the slope of the access route is excessive. This is also the case in the courtyard garden and en route to an emergency exit on the north side of the school.

#### Emergency Exits

All of the emergency exits lack tactile signage indicating them as exits. Additionally, the accessible exits lack illuminated exit signs that contain the International Symbol of Accessibility (ISA), and inaccessible exits lack directional signage indicating the location of the nearest accessible exit.

#### Interior Routes

Throughout the school, classrooms have mats that are not properly secured. Additional issues include a lack at least 36" width in circulation paths in classrooms, where most of these issues are due to clutter or storage that do not allow for 36" clear width paths. Stored objects are also placed in the maneuvering clearances for many classroom doors.

#### Work Surfaces

There are a number of classrooms that lack an accessible work surface that is adjusted to the minimum 24" knee clearance to the bottom of the table.

#### Sinks

Many classrooms throughout the school have sinks of an accessible design, but still lack proper knee clearance due to the height to the bottom of the counters.

### Toilet Rooms

The major accessibility concern is that the multi-user toilet rooms have rear grab bars that are less than the minimum required 42" long. Other accessibility concerns include a lack of a toilet paper dispenser in the boys' toilet room near room C219, lack of compliant door hardware and door closing mechanisms, and exposed plumbing underneath lavatories.

**Note:** The multi-user toilet rooms on the second floor near room D224 could not be surveyed because they were being cleaned by staff at the time of the survey. On the day of the survey IHCD team observed a portable toilet near the baseball field. IHCD was told that the presence of the portable toilet is not a regular occurrence, so a cost to provide an accessible portable toilet is not provided.

### Fields

Accessibility issues include a lack of an accessible route to the baseball field and to the sideline seating.

### Play Areas

There is a lack of an accessible route around the playground and lack of an accessible route to ground level play components in the playground.

**Note:** The Massachusetts Architectural Access Board (MAAB) does not consider engineered wood fiber (EWF) to comply with its regulation requiring an accessible route to each play component and around the playground.

### **Additional Accessibility Issues**

- Lack of standing height drinking fountains throughout the school.
- Lack of an accessible route to the garden bed in courtyard garden.
- Lack of signage to the nearest accessible entrance at the entrance for YMCA pick up.

### **Order of Magnitude Cost Estimates**

- Exterior route renovations: \$11,330
- Parking lot renovations: \$750
- Provide compliant egress and directional signage: \$5,314
- Toilet room renovations: \$4,168
- Install drinking fountains: \$12,084
- Classroom sink renovations: \$10,258
- Ensuring accessible routes to and around playground: \$37,050
- Provide an accessible route to baseball field and sidelines seating: \$5,383
- Miscellaneous corrective actions (work surfaces, etc.): \$660

**Total: \$86,997**

### **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.

- Consider providing a seated scale in the nurse's office.
- Recommend providing informational signage at the exits to the courtyard garden that say "Exit to Courtyard" so that people are aware that these exits do not lead away from the building.
- Recommend restriping all of the parking spaces in both parking lots.
- IHCD strongly recommends exploring the possibility of an alternative surface to engineered wood fiber (EWF). Overtime, EWF requires continuous maintenance to ensure the surface is maintained in operable working condition (stable, firm and slip-resistant). In addition, when used in combination with other surfaces required for accessible routes to play components in Massachusetts, it will present a challenge to prevent level changes at the transition points between EWF and other surfaces, and to keep the accessible routes clear of EWF.

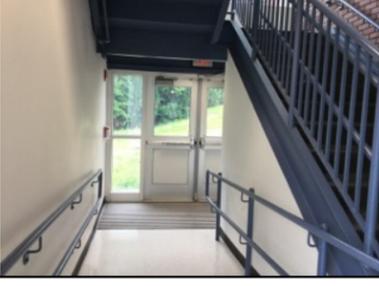
**City of Salem**  
**Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Exterior Access Route</b>												
1	Route to Playground	Ext.		Exterior Access Route	Exterior		Cross slope > 1:50 (2.00%) Running slope > 1:20 (5%)	4.5% 11.9%	Reduce cross slope to be no steeper than 1:50 (2.00%). Reduce running slope to be no steeper than 1:20 (5%).  (Cost based on 165' by 4' wide asphalt route.)	1	4208	\$4208
2	Exit on North Side of School, Near Baseball Field	Ext.		Exterior Access Route	Exterior		Running slope > 1:20 (5%)	6.9%	Reduce running slope to be no steeper than 1:20 (5%).  (Cost based on 30' asphalt to fix slope.)	1	225	\$225
3	Courtyard Garden	1		Exterior Access Route	Exterior		Running slope > 1:20 (5%) Edge protection < 4" high	6.5% -	Provide handrails on both sides. Provide edge protection that prevents the passage of a 4" diameter sphere, where any portion of the sphere is within 4" of the finished floor or ground surface.  (Cost based on 10' of handrails on both sides of the walkway and 10' of edge protection on both sides of the walkway.)	2	960	\$1920
4	Entrance to Playground	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	-	Alter change in level to be 1/4" high max.	1	27	\$27
5	Westernmost Exit on North Side of School	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	0.5"	Alter change in level to be 1/4" high max.	1	27	\$27

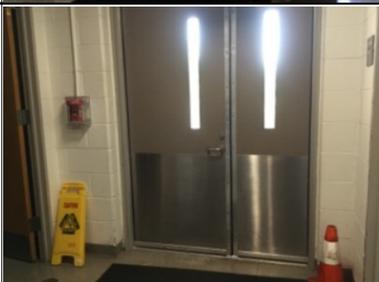
**City of Salem**  
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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Courtyard Garden	1		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided.  (Cost based on 4' by 3' asphalt patch to approach bed.)	1	78	\$78
<b>Off-Street Parking Lot or Garage</b>												
7	Southwest Lot Accessible Parking	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Vehicle space < 96" wide at car space Sign does not have the designation "Van Accessible"	12 3 - -	Ensure spaces and access aisles are compliant to ADA 2010:502. Add the designation "Van Accessible" to the sign located at the van accessible space.  (Cost based on a Van Accessible sign. Cost to re-stripe spaces not included because lot has been re-striped since survey.)	1	375	\$375
8	Parking Lot at Main Entrance	Ext.		Off-Street Parking Lot or Garage	N/A		Total # of parking Total # of designated accessible parking spaces Access aisle < 96" wide at van space Sign does not have the designation "Van Accessible"	25 2 - -	Ensure spaces and access aisles are compliant to ADA 2010:502. Add the designation "Van Accessible" to the sign located at the van accessible space. Ensure van space is 132" wide min. and the access aisle is 60" wide min.  (Cost based on a Van Accessible sign. Cost to re-stripe spaces not included because lot has been re-striped since survey.)	1	375	\$375
<b>Entrance</b>												
9	YMCA Pick Up Door	Ext.		Entrance	Other		Entrance not on an accessible route	-	Provide a directional sign indicating the location of the nearest accessible entrance.	1	260	\$260
<b>Access to Goods and Services</b>												

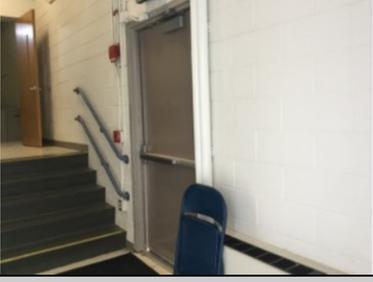
**City of Salem**  
**Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Means of Egress</b>												
10	Main Entrance	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
11	Gym, Exits to North Side of School	B		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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.	2	274	\$548
12	Cafeteria Exit, to Southeast Side of School	1	B014	Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
13	Exit Near B032	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
14	Easternmost Exit on South Side of School	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274

**City of Salem**  
**Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Exits to Courtyard Garden	1	D044, Hallway	Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs are provided at exits and exit doors. 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.	2	274	\$548
16	Accessible Entrance in Stair 3	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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	274	\$274
17	Exit to Courtyard on Southwest Side of School	1	C013	Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided Directional sign to accessible emergency exit not provided	- - -	Ensure illuminated exit signs are provided at exits and exit doors. 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 a directional sign indicating the location of the nearest emergency exit.	1	448	\$448
18	Exit Near Gym	B		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided Mat not securely attached	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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. Securely attach mat.	1	274	\$274
19	Loading Dock Exit	1		Means of Egress	N/A		Illuminated exit sign not provided Tactile exit sign not provided Mat not securely attached	- -	Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA). 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. Securely attach mat.	1	274	\$274

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
20	Exit Door Near D036A	1		Means of Egress	N/A		<ul style="list-style-type: none"> <li>Illuminated exit sign not provided</li> <li>Tactile exit sign not provided</li> <li>Mat not securely attached</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA).</li> <li>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.</li> <li>Securely attach mat.</li> </ul>	1	274	\$274
21	Stair 5, Exit to Southwest Corner of School	1		Means of Egress	N/A		<ul style="list-style-type: none"> <li>Illuminated exit sign not provided</li> <li>Tactile exit sign not provided</li> <li>Mat not securely attached</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>Ensure illuminated exit signs contain the International Symbol of Accessibility (ISA).</li> <li>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.</li> <li>Securely attach mat.</li> </ul>	1	274	\$274
22	Exit East of Main Entrance	Ext.		Means of Egress	N/A		<ul style="list-style-type: none"> <li>Tactile exit sign not provided</li> <li>Directional sign to accessible emergency exit not provided</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.</li> <li>Provide a directional sign inside indicating the location of the nearest emergency exit.</li> </ul>	1	348	\$348
23	YMCA Pick Up Door	1	B014	Means of Egress	N/A		<ul style="list-style-type: none"> <li>Tactile exit sign not provided</li> <li>Directional sign to accessible emergency exit not provided</li> <li>Mat not securely attached</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>Ensure tactile exit signs with raised characters and braille are provided at the interior of exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.</li> <li>Provide a directional sign inside indicating the location of the nearest accessible emergency exit.</li> <li>Securely attach mat.</li> </ul>	1	348	\$348
<b>Interior Access Route</b>												
24	Adjustment Councilor	1	B033	Interior Access Route	N/A		Route < 36" wide	23"	Ensure that a clear width of 36" min. is maintained at the accessible route by relocating chairs.	1	Labor	\$0

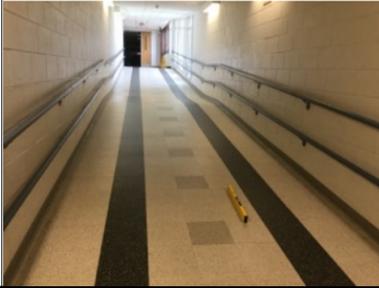
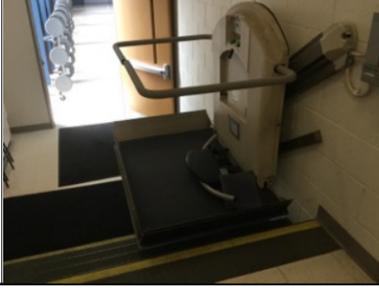
**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
25	Cafeteria Entrance	1	B014	Interior Access Route	N/A		Obstructed by protruding objects	67"	Relocate banner so that it is at least 80" above the floor.	1	Labor	\$0
26	Inaccessible Route to OT/PT Room	1		Interior Access Route	N/A		Accessible route not provided	-	Provide a directional sign to the accessible route.	1	174	\$174
27	Media Center	1	D044	Interior Access Route	N/A		Accessible route not provided	-	Provide a directional sign to the accessible route.	1	174	\$174
28	Classrooms Throughout School	1, 2		Interior Access Route	N/A		Mat not securely attached	-	Securely attach mats in classrooms throughout the school.	10	Labor	\$0
<b>Doors, Doorways, &amp; Gates</b>												
29	Nurse's Office	1	B046	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the table.	1	Labor	\$0

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
30	Psychologist's Office	1	B032	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate the table.	1	Labor	\$0
31	Grade 1 Classroom	1	C004	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the table.	1	Labor	\$0
32	Classroom	1	C013	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the table.	1	Labor	\$0
33	Kindergarten Classroom	1	D041	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the table and trash bin.	1	Labor	\$0
34	Classroom	2	D218	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the bookshelf.	1	Labor	\$0

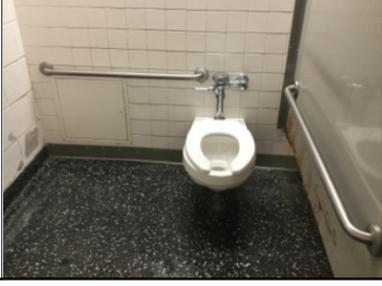
**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
35	Computer Lab	2	C219	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate the table.	1	Labor	\$0
<b>Ramps</b>												
36	Ramp From Main Office to Classrooms	1		Ramps	Interior		Running slope >1:12 (8.33%)	9.1%	Repair to this ramp might be technically infeasible. While not technically compliant, the ramp is still usable.	1	-	\$0
37	Easternmost Exit on South Side of School			Ramps	Exterior		Handrails not provided	-	Provide handrails with 1 1/4" - 2" circular cross sections or 4" - 6 1/4" non-circular cross sections.	1	1980	\$1980
<b>Stairways</b>												
38	YMCA Pick Up Door			Stairways	Exterior		Handrails not continuous where required Handrails not provided	- -	Provide continuous handrails. Ensure handrails are provided on the entirety of both sides of the stairs.  (Cost based on two sets of handrails at 15' long, and handrail extensions on both sides to ensure handrails are continuous.)	1	2865	\$2865
<b>Platform Lift or LULA Elevator</b>												
39	Accessible Route to OT/PT Room and Stage	1		Platform Lift or LULA Elevator	Interior		Not in operable working condition	-	Ensure lift is maintained in operable working condition.	1	Labor	\$0

**City of Salem**  
**Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Dining or Work Surfaces</b>												
40	Classroom	1	D037	Dining or Work Surfaces	Work Surface		At least one or 5% accessible tables not provided	-	Ensure that at least one work surface is accessible.	1	525	\$525
41	OT/PT Room	1		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Adjust at least 1 work surface for children so that it has 24" min. knee and toe clearance.	1	Labor	\$0
42	Classrooms Throughout School	1, 2		Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	21"	Adjust at least 1 work surface for children in 1 classroom per grade so that it has 24" min. knee and toe clearance.	6	Labor	\$0
<b>Benches</b>												
43	Courtyard Garden	1		Benches	N/A		Cross slope > 1:48 (2.08%)	4.0%	Ensure that 20% of benches have a cross slope no greater than 1:50 (2.00%) around the bench and in the clear floor space.	1	135	\$135
<b>Toilet Rooms for Children</b>												

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Single-User Toilet</b>												
44	Toilet Room in Nurse's Office	1		Single-User Toilet	N/A		Clearance at toilet < 60" clear width	-	Provide a clear floor space that is 60" wide min. by removing shelf.	1	Labor	\$0
<b>Toilet Compartment</b>												
45	Girls' and Boys' Toilet Rooms Near Cafeteria	1		Toilet Compartment	Accessible Compartment		Door with non-compliant hardware Door with malfunctioning self-closing hinge Side or rear grab bar < 25" or > 27" high (Ages 9 - 12)	- - 30"	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Repair self-closing hinge. Relocate rear grab bar to 25"- 27" above the floor.	2	210	\$420
46	Girls' Toilet Room Near C027	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 42" long	24"	Provide a rear wall grab bar that is 42" long located 6" max. from the interior corner.	1	674	\$674
47	Boys' and Girls' Toilet Rooms Near C219	2		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 42" long	- 25.5"	Provide a rear wall grab bar that is 42" long located 6" max. from the interior corner.	2	674	\$1348
48	Boys' Toilet Room Near C017	1		Toilet Compartment	Accessible Compartment		Side or rear grab bar < 42" long Non-compliant toilet paper dispenser	24.5" -	Provide a rear wall grab bar that is 42" long located 6" max. from the interior corner. Provide a toilet paper dispenser. Locate it so that it is between 14"- 19" above the floor and between 7"- 9" in front of the toilet. Ensure dispensers and other devices are not mounted above grab bars.	1	1204	\$1204

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Lavatory</b>												
49	Girls' Toilet Room Near C027	1		Lavatory	N/A		Exposed plumbing underneath	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
50	Kindergarten Toilet Room	1	D041	Lavatory	N/A		Exposed plumbing underneath	-	Insulate or otherwise configure pipes to prevent contact, for at least one lavatory.	1	69	\$69
51	Boys' and Girls' Toilet Rooms	B		Lavatory	N/A		Mirror above lavatory w/reflective surface > 31"	46.5"	Lower mirror so that the bottom surface is at 31" above finished floor.	2	192	\$384
<b>Additional Access</b>												
<b>Drinking Fountains</b>												
52	Near C022	1		Drinking Fountains	Low		Clear floor space not provided No drinking fountain provided for standing users	- -	Provide a 30" by 48" clear floor space positioned for a forward approach by relocating chair. Provide an additional drinking fountain for standing users or install a Hi-Lo drinking fountain.	1	Labor 3021	\$3021
53	Music Room	B	A026	Drinking Fountains	N/A		Operable parts malfunctioning	-	Repair non-operable drinking fountain.	1	Labor	\$0

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
54	Gym	B		Drinking Fountains	Hi-Lo		Operable parts malfunctioning No drinking fountain provided for seated users	- -	Repair or replace drinking fountain to ensure operable parts are working. Provide an additional drinking fountain for seated users or install a Hi-Lo drinking fountain.	1	Labor 3021	\$3021
55	Near Gym	B		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	3021	\$3021
56	Hallway D	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	3021	\$3021
<b>Sink</b>												
57	Psychologist's Office	1	B032	Sink	Other		Clear floor space not provided at sink Toe and knee clearances not provided	- -	Provide a 30" by 48" clear floor space positioned for a forward approach. Ensure there is a 27" knee clearance positioned for a forward approach by relocating chair.	1	1265	\$1265
<b>Sinks for Children's Use</b>												
58	OT/PT Room	1		Sinks for Children's Use	Classroom		Exposed plumbing underneath Knee or toe clearance not provided	- 23.75"	Ensure there is a 25" knee clearance positioned for a forward approach. Insulate or otherwise configure pipes at sink.	1	1334	\$1334

**City of Salem  
Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
59	Classroom	1	D025	Sinks for Children's Use	Classroom		Exposed plumbing underneath Knee or toe clearance not provided	- 23"	Insulate or otherwise configure pipes to prevent contact, for at least one sink. Remove clutter under sink.	1	69	\$69
60	Classrooms Throughout School	1, 2		Sinks for Children's Use	Classroom		Knee or toe clearance not provided	23"	Provide at least one sink per grade with 25" knee and toe clearance positioned for a forward approach.	6	1265	\$7590
61	STEM Room	1	C009	Sinks for Children's Use	Classroom		Knee or toe clearance not provided	-	Relocate clutter under sink.	1	Labor	\$0
<b>Play and Sport Areas</b>												
<b>Play Areas</b>												
62	Playground			Play Areas	N/A		Accessible route not provided to ground level play components No compliant transfer system Surface not stable, firm, and slip-resistant	- - -	Ensure an accessible route is provided to one of each type of ground level play component. Alteration to the transfer system might be technically infeasible. Repair surface and ensure that surface is firm, stable and slip-resistant.  (Cost based on 280' of 5' wide poured in place rubber to play components.)	1	29400	\$29400
63	Playground	Ext.		Play Areas	N/A		Not connected to an accessible route	-	Provide an accessible route to and around play areas.  (Cost based on 300' by 4' wide asphalt route around playground.)	1	7650	\$7650

**City of Salem**  
**Witchcraft Heights Elementary School**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Field</b>												
64	Baseball Field	Ext.		Field	Baseball		Accessible spaces not provided at sidelines seating Not connected to an accessible route	-	Provide a 36" x 48" clear floor space at sidelines seating. Ensure fan seating is connected to an accessible route.  (Cost based on a wheelchair space and 35' by 4' wide stone dust route from curb ramp at baseball field renovation to the accessible space.)	1	918	\$918
65	Baseball Field	Ext.		Field	Baseball		Field not connected to an accessible route	-	Ensure edge of baseball field is connected to an accessible route.  (Cost based on one curb ramp, striping at entrance to ensure people do not park in the accessible route, and 60' by 4' wide stone dust route to edge of field as well as maintaining the route to the dugouts.)	1	4465	\$4465

**Parking**

Prepared by the



Institute for Human Centered Design

# Museum Place Garage



City of Salem

ADA Transition Plan

November 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

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617-695-1225 voice/tty

## Museum Place Garage

Year Built: 1975

### Background

Salem’s Museum Place Garage is located at One Church Street. It is a four-story municipal parking structure with parking spaces on all floors with the fourth level providing rooftop parking. There are a total of 910 parking spaces including nineteen (19) accessible parking spaces. The accessible parking spaces includes eight (8) accessible spaces on the first floor (four car accessible spaces and four van accessible spaces), eight (8) accessible parking spaces on the second floor (five car accessible spaces and three van accessible spaces), one van accessible space on the third floor and two car accessible spaces on the fourth floor (roof level). Electric car charging stations are located on the first floor on Level 1A (east side). Pay station machines are located outside the garage on New Liberty Street and on the first floor near the elevators.

The main driving entrance and exit are on the first floor on the east side on New Liberty Street. The pedestrian accessible route to the parking garage is through a set of two (2) elevators located on the mezzanine level of the mall. Four (4) staircases in the garage connect all floors. Amenities include the elevators, accessible parking spaces, electric car charging stations, pay station machines and a first floor attendant’s office.

### Accessibility Issues

#### Accessible Routes

The major accessibility issue is the lack of an accessible route to the accessible parking spaces in the garage after the mall is closed.

#### Parking Spaces

Accessibility issues include lack of the minimum width at the van accessible parking spaces, and at the access aisles. Other accessibility issues include lack of the designation “Van Accessible” at the identification signs at van accessible parking spaces and identification signs mounted lower than the minimum height allowed.

#### Signage

Accessibility issues include missing or noncompliant egress signs including tactile signs (raised characters and braille) and signs not located on the latch side of the door.

### Additional Accessibility Issues

- Excessive running slope at the curb ramp leading to the elevators (roof level), the curb ramp on the second floor (near the elevator) and the exterior curb ramp on New Liberty Street.
- Noncompliant threshold at the door leading to the elevator (roof level).

### Order of Magnitude Cost Estimates

- Provide compliant curb ramps: \$8,400
- Provide compliant egress signs: \$5,220
- Restripe accessible parking spaces and provide identification signs at the accessible parking spaces: \$2588
- Miscellaneous corrective actions (door threshold, etc.): \$113

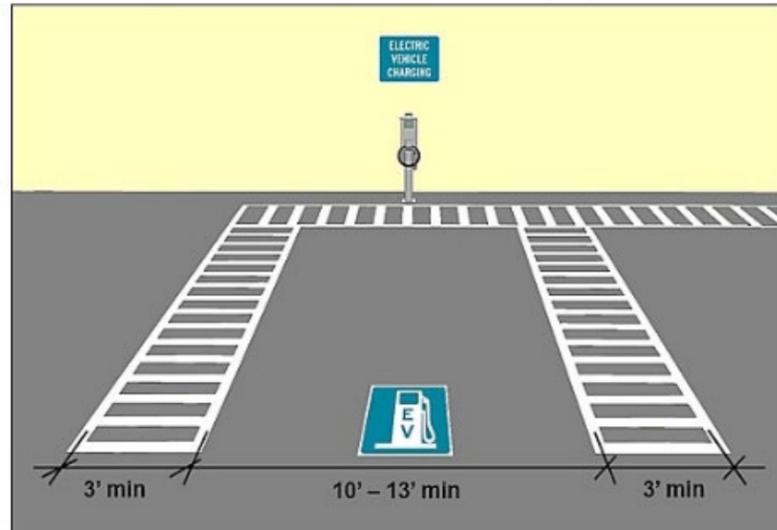
**Total: \$16,321**

### 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.

## Museum Place Garage

- Recommend adding contrasting strips at the edge of each step at all of interior stairs.
- Recommend locating the electric car charging spaces near the elevator.
- Recommend adding an accessible route to the charging station on both sides of the electric charging space.

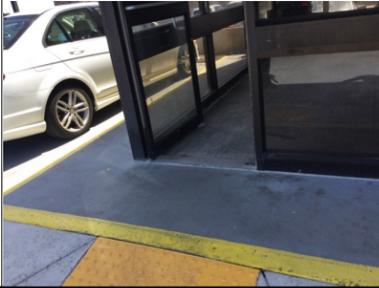


- Recommend having more visible signs identifying the location of the electric car charging spaces.
- Recommend providing at least one van accessible parking space on the first floor near the entrance to the garage on New Liberty Street. That way when the garage is closed accessible parking spaces are still available to patrons with disabilities.
- Recommend locating the directional signs to the elevator in more visible locations.
- Recommend relocating the informational sign with hours of operation to a more visible location. In addition, recommend locating the information also near the elevators.
- Recommend providing brighter lighting through the interior of the garage.

**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Curb Ramp</b>												
1	Towards Parking Office	Ext.		Curb Ramp	N/A		Running slope > 1:12 (8.33%)	18%	Reduce running slope to be no steeper than 1:12 (8.33%).	1	2800	\$2800
<b>Off-Street Parking Lot or Garage</b>												
2	Accessible Parking Spaces	1		Off-Street Parking Lot or Garage	Visitor		Sign does not have the designation "Van Accessible"	-	Add the designation "Van Accessible" to the signs located at the van accessible spaces.	4	375	\$1500
3	Towards Elevator	2A		Off-Street Parking Lot or Garage	Visitor		Running slope > 1:12 (8.33%) Curb ramp flares > 1:10 (10%)	8.9% 11%	Reduce running slope to be no steeper than 1:12 (8.33%). Reduce slope at curb ramp flares to be no steeper than 1:10 (10%).	1	2800	\$2800
4	Accessible Parking Spaces	2A		Off-Street Parking Lot or Garage	Visitor		Access aisle < 96" wide at van space	61"	Provide a marked access aisle that is at least 96" wide.	1	338	\$338
5	Accessible Parking Space	3A		Off-Street Parking Lot or Garage	Visitor		Sign does not have the designation "Van Accessible"	-	Add the designation "Van Accessible" to the sign located at the van accessible space.	1	375	\$375

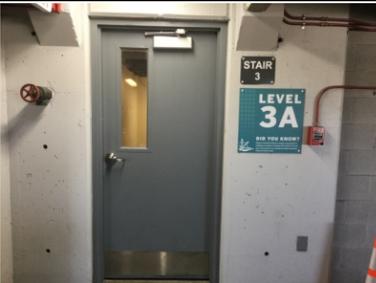
**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
6	Towards Elevators	4		Off-Street Parking Lot or Garage	Visitor		Running slope > 1:12 (8.33%)	15.6%	Reduce running slope to be no steeper than 1:12 (8.33%).	1	2800	\$2800
7	Accessible Parking Spaces	4		Off-Street Parking Lot or Garage	Visitor		Sign not provided	-	Provide a sign with the bottom of the sign 60" min. above the ground and the top 96" max. above the ground.	1	375	\$375
<b>Entrance</b>												
8	Towards Elevators	R		Entrance	N/A		Threshold > 1/2" high	1"	Alter threshold to be 1/2" high max.	1	113	\$113
<b>Access to Goods and Services</b>												
<b>Elevator</b>												
9	Near Pay Machines	1A		Elevator	Interior		Elevator car dimension not compliant	-	Repair may require major renovation at elevator cab and hoistway and may not be practical until system is replaced.	1	-	\$0
10	Lobby - Mall Level	M		Elevator	Interior		Clear floor space not provided at call buttons	-	Relocate trash can to maintain the clear floor space at call buttons.	1	-	\$0

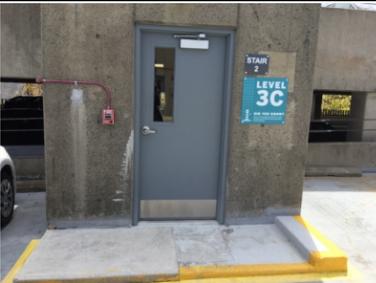
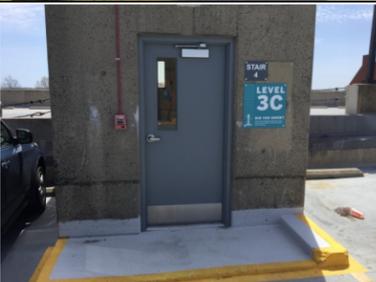
**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Signage</b>												
11	Stair #1	1A		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	2	174	\$348
12	Stair #1	2A		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	1	174	\$174
13	Stair #3	2A		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille.- Locate sign alongside the door on the latch side.	2	174	\$348
14	Stair #4	2C		Signage	Egress		Not provided	-	Provide text with raised characters duplicated in braille. Locate signage alongside the door on the latch side.	1	174	\$174
15	Stair #3	2C		Signage	Egress		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille. Relocate trash can to ensure an 18" by 18" clear floor space is provided in front of the sign.	2	116	\$232

**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
16	Stair #4	2C		Signage	Egress		<p>Raised characters not provided Braille not provided Sign not located on the latch side of the door</p>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<p>Provide text with raised characters duplicated in braille. Locate sign at permanent rooms alongside the door on the latch side. Relocate trash can to ensure an 18" by 18" clear floor space is provided in front of the sign.</p>	2	174	<b>\$348</b>
17	Stair #1	3A		Signage	Egress		<p>Raised characters not provided Braille not provided Sign not located on the latch side of the door</p>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<p>Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.</p>	2	174	
18	Stair #3	3A		Signage	Egress		<p>Raised characters not provided Braille not provided Sign not located on the latch side of the door</p>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<p>Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.</p>	2	174	
19	Stair #2	3B		Signage	Egress		<p>Raised characters not provided Braille not provided Sign not located on the latch side of the door</p>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<p>Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.</p>	2	174	
20	Stair #4	3B		Signage	Egress		<p>Raised characters not provided Braille not provided Sign not located on the latch side of the door</p>	<ul style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ul>	<p>Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.</p>	2	174	

**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Stair #3	3C		Signage	Egress		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille.	2	174	<b>\$348</b>
22	Stair #1	3C		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	2	174	
23	Stair #2	3C		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	2	174	
24	Stair #4	3C		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	2	174	
25	Stair #3	4A		Signage	Egress		Raised characters not provided Braille not provided Sign not located on the latch side of the door	- - -	Provide text with raised characters duplicated in braille. Locate sign alongside the door on the latch side.	2	174	

**City of Salem  
Museum Place Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Stair #1	Ext.		Signage	Designation		Raised characters not provided Braille not provided	- -	Provide text with raised characters duplicated in braille. Provide braille.	2	174	\$348

## South Harbor Garage



Town of Salem

ADA Transition Plan

October 2019



Institute for Human Centered Design

200 Portland Street, Boston, MA 02114

www.IHCDesign.org • info@IHCDesign.org

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### South Harbor Garage

Year Built: 1997

#### Background

Salem's South Harbor Garage is located at 245 Derby Street. It is a four-story municipal parking structure with parking spaces on floors 1, 1.5, 2, 2.5, 3, 3.5 and 4, with the fourth level providing roof-top parking.

There are a total of 208 parking spaces including seven (7) accessible parking spaces. The location of the accessible parking spaces includes two (2) accessible parking spaces on the first, second and third floors, and a single accessible parking space on the fourth floor. There are also payment kiosks at multiple locations, four (4) electric vehicle spaces on the first floor, and several spaces reserved for permit holders on the third floor.

The main driving entrance and exit is on the first floor on the southwest side on Congress Street. Double glass doors at the same location lead to a staircase and elevator. The staircase connects the full and half floors, while the elevator connects the four full floors. There is also a driving entrance and door to a second staircase on the northeast side on Derby Street.

Sidewalks follow the Congress and Derby Street sides of the building.

Amenities include the elevator, accessible parking spaces, and a first floor attendant's office and employee-only toilet room. The Scratch Kitchen Restaurant is built into the garage with an entrance at the corner of Congress and Derby Streets.

#### Key Accessibility Issues

##### Signage

Accessibility issues include missing or noncompliant egress, identification and designation signs including tactile and

illuminated signs at egress doors and designation and identification signs at accessible parking spaces.

##### Additional Accessibility Issues:

- Two (2) van accessible parking spaces are narrower than the minimum width required.
- One door threshold higher than the maximum height allowed.
- Staircase that lacks a cane-detectable barrier and acts as a protruding object.

#### Order of Magnitude Cost Estimates

- Renovate and provide signage: \$2,796
- Miscellaneous corrective actions (restriping parking spaces, door threshold, cane-detectable barrier, etc.): \$1,283

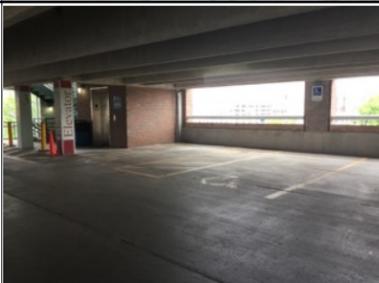
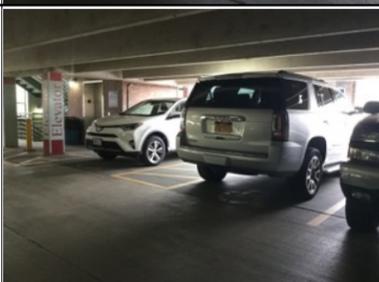
**Total: \$4,079**

#### Best Practice and Inclusive Design

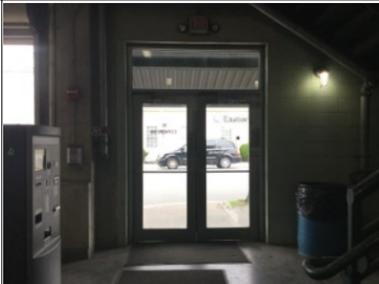
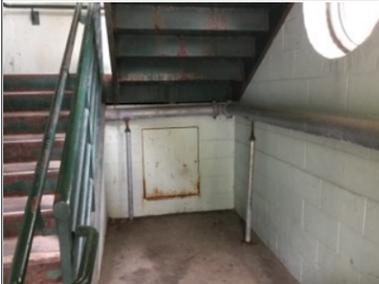
Best practice and inclusive design recommendations include elements that are not required in the standards but may create enhanced experiences for all users.

- Recommend adding contrasting strips at the edge of each step at both sets of interior stairs.

**City of Salem  
South Harbor Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Approach and Entrance</b>												
<b>Off-Street Parking Lot or Garage</b>												
1	First Floor Accessible Parking	1		Off-Street Parking Lot or Garage	N/A		Vehicle space < 132" wide at van space Sign does not have the designation "Van Accessible"	93.5" -	Provide a van accessible space that is at least 132" wide with a marked access aisle at least 60" wide. Add the designation "Van Accessible" to the sign located at the van accessible space.  (Cost based on restriping and a sign.)	1	600	\$600
2	Fourth Floor Accessible Parking by Elevator	4		Off-Street Parking Lot or Garage	N/A		Vehicle space < 132" wide at van space Sign does not have the designation "Van Accessible" Sign bottom < 60" above finished grade	- - -	Provide a van accessible space that is at least 132" wide with a marked access aisle at least 60" wide. Add the designation "Van Accessible" to the sign located at the van accessible space. Locate sign with the bottom of the sign 60" min. and 96" max. above the ground.  (Cost based on restriping and a sign.)	1	600	\$600
3	Third Floor Accessible Parking by Elevator	3		Off-Street Parking Lot or Garage	N/A		Sign not provided	-	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.	1	375	\$375
4	Second Floor Accessible Parking by Elevator	2		Off-Street Parking Lot or Garage	N/A		Sign not provided	-	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.	1	375	\$375
<b>Access to Goods and Services</b>												

**City of Salem  
South Harbor Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Means of Egress</b>												
5	First Floor Egress	1		Means of Egress	N/A		<p>Illuminated exit sign not provided</p> <p>Illuminated International Symbol of Accessibility not provided</p> <p>Tactile exit sign not provided</p>	- -	<p>Ensure illuminated exit signs are provided at exits and exit doors. Include an illuminated International Symbol of Accessibility (ISA) on the illuminated exit sign.</p> <p>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.</p>	1	474	\$474
6	Fourth Floor by Elevator	4		Means of Egress	N/A		Tactile exit sign not provided	-	<p>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.</p>	1	174	\$174
7	First Floor	1		Means of Egress	N/A		<p>Tactile exit sign not provided</p> <p>Illuminated sign lacks the International Symbol of Accessibility</p> <p>Mat not securely attached</p>	-	<p>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.</p> <p>Provide an illuminated International Symbol of Accessibility (ISA) at the illuminated exit sign.</p> <p>Securely attach walk-off mat.</p>	1	324	\$324
8	Fourth Floor by Elevator	4		Means of Egress	N/A		<p>Tactile exit sign not provided</p> <p>Illuminated sign lacks the International Symbol of Accessibility</p>	-	<p>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.</p> <p>Provide an illuminated International Symbol of Accessibility (ISA) at the illuminated exit sign.</p>	1	324	\$324
<b>Interior Access Route</b>												
9	Floor 1 Stairwell	1		Interior Access Route	N/A		Obstructed by protruding objects	-	<p>Provide a cane-detectable barrier.</p> <p>(Cost based on a 6"x4' pipe rail under stairs.)</p>	1	720	\$720

**City of Salem  
South Harbor Garage**

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
<b>Doors, Doorways, &amp; Gates</b>												
10	Entrance on Derby St	1		Doors, Doorways, & Gates	Other		Threshold > 1/2" high	1"	Alter threshold to be 1/2" high max.  (Threshold seemed to be not firm and deteriorated.)	1	113	\$113

# Appendix

Prepared by the



Institute for Human Centered Design

# Glossary



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## Glossary

### **Accessible**

Describes programs and physical spaces that are accessible to and usable by people with disabilities and complying with the accessibility requirements of federal accessibility standards and state accessibility codes.

### **Access Aisle**

A parking access aisle must be on an accessible route and be five feet wide minimum for cars and eight feet wide minimum. Two accessible parking spaces may share an access aisle. Access aisles must be level with surface slopes and not exceeding 1:50 (2%) in all directions. The access aisles must be clearly striped. A passenger loading zone requires a 60 inch wide access aisle to be the full length of the vehicle and clearly marked. There can be no changes in level between the access aisle and the pull-up space.

### **Accessible Means of Egress**

A continuous and unobstructed way of exiting from any point in a building or facility that provides an accessible route to an area of refuge, a horizontal exit, or a public way.

### **Accessible Route**

A continuous, unobstructed path connecting all accessible elements and spaces of a building or facility. Interior accessible routes may include corridors, floors, ramps, elevators, lifts, and clear floor space at fixtures. Exterior accessible routes may include parking-access aisles, curb ramps, crosswalks at vehicular ways, walks, ramps, and lifts. The width of an accessible route must be 36 inches min. Accessible routes shall coincide with or be located in the same area as general circulation paths. Where circulation paths are interior, required accessible routes shall also be interior.

### **(ADA) Americans with Disabilities Act of 1990, as Amended**

This federal law, based on the 1964 Civil Rights Act, prohibits discrimination and stipulates equal participation for people with disabilities in employment, state and local government, public accommodations, commercial facilities, transportation, and telecommunications.

### **ADA Coordinator**

This is the designated employee responsible for coordinating the efforts of the government entity to comply with ADA title II, and investigating any complaints that the entity has violated

Title II. Also called “Accessibility Coordinator” or “504 Coordinator” (for entities receiving federal funds who must comply with Section 504 of the Rehabilitation Act).

### **ADA Notice**

The obligation of a state and local government and recipients of federal funds to publicly communicate to the public their commitment to comply with the American with Disabilities Act (ADA).

### **Adaptability**

The ability of certain building spaces and elements, such as vending machine, counters, restrooms, gates, and grab bars, to be added or altered to accommodate the needs of people with or without functional limitations or to accommodate the needs of persons with different types or degrees of disability.

### **Administrative Authority**

A governmental agency that adopts or enforces regulations for the design, construction, or alteration of buildings, facilities, vehicles.

### **Alteration**

A change to a *building* or *facility* that affects or could affect the usability of the *building* or *facility* or portion thereof. *Alterations* include, but are not limited to, remodeling, renovation, rehabilitation, reconstruction, historic restoration, resurfacing of *circulation paths* or *vehicular ways*, changes or rearrangement of the structural parts or *elements*, and changes or rearrangement in the plan configuration of walls and full-height partitions. Normal maintenance, reroofing, painting or wallpapering, or changes to mechanical and electrical systems are not *alterations* unless they affect the usability of the *building* or *facility*.

### **Ambient Light**

The light that is already present in a space, before any additional lighting is added. It usually refers to natural light, either outdoors or coming through windows as well as light reflected from all surfaces in that space. It can also mean artificial lights such as normal room lights.

### **Area of Rescue Assistance/Areas of Refuge**

An area, which has direct access to an exit or an area adjacent to an exit discharge, where people who are unable to use stairs or are unable to travel more than 100 feet to a public way may remain temporarily in safety to await further instructions or assistance during emergency evacuation.

### **Assistive Listening**

A technology in which a transmitter broadcasts the wanted sound and minimizes background noise and reverberation to the user's receiver and improves the volume and clarity of speech and other sound relative to noise.

#### Assistive Listening Device (ALD)

An audio enhancement system that brings sound directly into the ear of someone with hearing limitations (people with or without hearing aid(s)/cochlear implant(s)). It helps to overcome the problems of distance and surrounding noise. Refer to ADA 2010 Standards to determine the number of ALDs that must be hearing-aid compatible:

<http://www.ada.gov/regs2010/2010ADASTandards/2010ADASTandards.htm#pgfid-1010597>

#### Assistive Listening Systems (ALS)

An amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of audio loop, radio frequency, infrared, or direct-wired equipment.

### **Assistive Technology**

Devices used by people with disabilities - including physical, sensory, or cognitive limitations -- in order to perform functions that might otherwise be difficult or impossible. Assistive technology can include mobility devices such as walkers, scooters, and wheelchairs, as well as hardware, software, and peripherals that assist people in increasing, maintaining, or improving functional capacities.

### **Audio Loop (Induction Loop)**

Device that uses electromagnetic waves for transmission of sound. The sound from an amplifier is fed into a wire loop at customer information kiosks or ticketing windows, which broadcasts to a telecoil that serves as a receiver. Those with a telecoil can hear automatically. Those using hearing aids without a telecoil can use a special induction receiver to pick up the sound.

### **Automatic Door**

A door equipped with a power-operated mechanism and controls, which open and close the door automatically. The switch that begins the automatic cycle may be a photoelectric device, floor mat, or manual switch (see *power-assisted door*).

### **Auxiliary Aids and Services**

Services and equipment that provide persons with sensory or speech disabilities equal opportunity to participate in and enjoy the benefits of programs or activities. The following examples are not exhaustive.

- assistance filling out forms
- assistive listening system
- audio recordings
- Braille materials
- open or closed captioning
- communication boards
- computer-aided real-time transcription
- description of visually presented materials
- large print materials
- notetakers
- qualified interpreters
- remote video interpreting
- screen readers
- Skype or other web-enabled video
- speech synthesizers
- telephone handset amplifiers
- text messaging
- text telephones (TTYs)

### **Addition**

An expansion, extension, or increase in the gross floor area or height of a building or facility.

### **Area of sports activity**

That portion of a room or space where the play or practice of a sport occurs.

### **Assembly area**

A building or facility, or portion thereof, used for the purpose of entertainment, educational or civic gatherings, or similar purposes. Assembly areas include, but are not limited to, classrooms, lecture halls, public meeting rooms, public hearing rooms, auditoria, or stadiums.

### **Blended Transitions**

Blended transitions are raised pedestrian street crossings, depressed corners, or similar connections between the pedestrian access route at the level of the sidewalk and the level of the pedestrian street crossing that have a grade of 5 percent or less. Blended transitions have a slope of less than 5%; because they are not ramps, they needn't have a perpendicular relationship with the street.

### **Boarding pier**

A portion of a pier where a boat is temporarily secured for the purpose of embarking or disembarking.

### **Boat Launch Ramp**

A sloped surface designed for launching and retrieving trailered boats and other water craft to and from a body of water.

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### **Boat Slip**

That portion of a pier, main pier, finger pier, or float where a boat is moored for the purpose of berthing, embarking, or disembarking.

### **Braille**

A system of touch reading and writing for blind persons, in which raised dots represent the letters of the alphabet. Braille also contains equivalents for punctuation marks and provides symbols to show letter groupings.

### **Building**

Any structure used or intended for supporting or sheltering any use or occupancy.

### **Cane-detectable Barrier**

A barrier used to warn blind or low-vision people of a hazard. The barrier is equal to or less than 27 inches detectable by cane users before they reach the obstruction or hazard with their bodies.

### **Captioning (Open)**

Open captioning translates the audio portion of a video or film program into visible subtitles in real time. Viewing does not require special equipment; captions are present on the screen at all times.

### **CART - Computer Assisted Real-Time Transcription**

A service in which an operator transcribes verbal communication into a computer that displays the typed words on a screen (either a computer screen for one person or a large screen for a group).

### **Catch Pool**

A pool or designated section of a pool used as a terminus for water slide flumes.

### **Characters**

Letters, numbers, punctuation marks and typographic symbols.

### **Children's Use**

Describes spaces and elements specifically designed for use primarily by people 12 years old and younger.

### **Clear Floor Space**

The minimum unobstructed floor or ground space required to accommodate a single,

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stationary wheelchair. The dimensions of the clear floor space must be 30 inches min. by 48 inches min.

### **Closed-Circuit Telephone**

A telephone with a dedicated line such as a house phone, courtesy phone or phone that must be used to gain entry to a facility.

### **Circulation Path**

An exterior or interior way of passage provided for pedestrian travel, including but not limited to walks, hallways, courtyards, elevators, platform lifts, ramps, stairways, and landings.

### **Common Use**

Interior or exterior circulation paths, rooms, spaces, or elements that are not for public use and are made available for the shared use of two or more people.

### **Cross Slope**

The slope that is perpendicular to the direction of pedestrian travel (running slope). For the cross slope of an accessible route, the maximum cross slope allowed is 1:50.

### **Curb Ramp**

A short ramp cutting through a curb.

### **Detectable Warning**

A standardized textured surface with a pattern of truncated domes built in or applied to walking surfaces or other elements that warn of hazards on a circulation path, such as track crossings, platforms, and curb cuts.

### **Detention Facilities and Correction Facilities**

Buildings, facilities, or portions thereof, in which people are detained for penal or correction purposes. Detention facilities include, but are not limited to, jails, detention centers, and holding cells in police stations. Correctional facilities include, but are not limited to, prisons, reformatories, and correctional centers.

### **Disability/Individual with a Disability**

The ADA defines a person with a disability as physical, sensory or mental impairment that substantially limits one or more major life activities, has a record of such a condition, or is regarded as having such a condition. The ADA also makes it unlawful to discriminate against a person based on that person's association with a person with a disability.

[<https://adata.org/faq/what-definition-disability-under-ada>]

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### **Effective Communication**

A practice in which written, spoken, and visual information is clear and understandable to people with disabilities as it is for people who do not have a disability. This applies to private and public entities. Public entities have an additional obligation to give primary consideration to the individual's choice when determining what is "effective."

### **Egress, Means of**

A continuous and unobstructed path of travel from any point in a building or structure to a public way and consisting of three separate and distinct parts: (a) the exit access, (b) the exit, and (c) the exit discharge. A means of egress comprises the vertical and horizontal means of travel and shall include intervening room spaces, doorways, hallways, corridors, passageways, balconies, ramps, stairs, enclosures, lobbies, horizontal exits, courts and yards.

### **Element**

An architectural or mechanical component of a building, facility, space, or site.

### **Elevated Play Component**

A play component that is approached above or below grade and that is part of a composite play structure consisting of two or more play components attached or functionally linked to create an integrated unit providing more than one play activity.

### **Employee Work Area**

Areas within any kind of employment setting used exclusively by employees.

All or any portion of a space used by employees and used only for work. Corridors, toilet rooms, kitchenettes and break rooms are not employee work areas.

### **Entrance**

Any access point to a building or portion of a building or facility used for the purpose of entering. An entrance includes the approach walk, the vertical access leading to the entrance platform, the entrance platform itself, vestibule if provided, the entry door or gate, and the hardware of the entry door or gate.

### **Equivalent Facilitation**

Use of designs, products, or technologies as alternatives to those prescribed, provided they result in substantially equivalent or greater accessibility and usability.

### **Existing Facility**

A physical structure in existence on any given date, regardless of whether the building has been in place for a period of time, is newly constructed, or has been altered.

### **Facility**

Any or all portion(s) of buildings, structures, sites, complexes, equipment, rolling stock or other conveyances, roads, walks, passageways, parking lots, or other real or personal property, including the site where the building, property, structure, or equipment is located.

### **Fundamental Alteration**

A change that is so significant that it alters the essential nature of the goods, services, facilities, privileges, advantages, or accommodations offered.

### **Gangway**

A variable-sloped pedestrian walkway that links a fixed structure or land with a floating structure. Gangways that connect to vessels are not addressed by this document.

### **Golf Car Passage**

A continuous passage on which a motorized golf car can operate.

### **Grievance Procedures**

A formal system for making and resolving complaints of disability discrimination (by employees or anyone who uses an organization's programs, services, or activities) in a prompt and fair manner, required by those with responsibilities under Section 504 of the Rehabilitation Act and the Americans with Disabilities Act.

### **Ground Level Play Component**

A play component that is approached and exited at the ground level.

### **Handrails**

A rail serving as a support or guard along walking surfaces, stairs, ramp, platforms. They are required to be on both sides of stairs or ramps. For stairs, they must be 34 to 38 inches above stair nosings. For ramps, handrails must be provided in pairs with one 34 to 38 inches measured vertically from the surface of the ramp to the handrail. The lower one is between 18 and 20 inches. They should be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs or ramps must be continuous between flights or runs.

### **Handrail Extensions**

Handrail gripping surfaces are required to extend beyond and in the same direction of stair flights and ramp runs a distance of 12 inches long minimum.

### **Impracticable/Impracticability**

- (a) Compliance with codes and requirements would be technologically infeasible; or
- (b) Compliance with codes and requirements would result in excessive and unreasonable costs without any substantial benefit to persons with disabilities.

### **Inclusive Design**

A framework for the design of places, things, information, communication, and policy to be usable by the widest range of people operating in the widest range of situations, without special or separate design.

### **Integrated Setting**

An integrated setting enables people with disabilities to interact with nondisabled persons to the fullest extent possible. *Separate programs are permitted where necessary to ensure equal opportunity.* A separate program must be appropriate to the particular individual.

### **International Symbol of Accessibility (ISA)**

Icon indicating building features that is suitable for people with disabilities. The ADA Standards of 2010 require that a standard icon only be used where it is required. Standards issued under the ADA require that the ISA label certain accessible elements, spaces, including parking spaces, entrances, and toilet rooms.

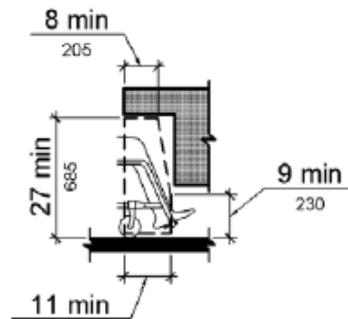
The symbol and its background must have a non-glare finish. The symbol shall contrast with its background with either a light symbol on a dark background or a dark symbol on a light background.



*International Symbol of Accessibility (ISA)*

### **Knee Clearance**

Minimum required height under an element (e.g. work surface, lavatory, dining surface) that allows a person in a wheelchair to sit at the element. The height must be 27 inches min.



### **Large Print**

A sans serif font (e.g., Arial, Helvetica) and type size (minimum 18 - 20 points) commonly used by people with visual impairments or who are legally blind.

### **Level Landing**

Level landings are required at the top and bottom of each ramp run. Changes in level greater than 1:50 are not permitted at landings. Landings must be designed to prevent the accumulation of water.

### **Mail Boxes**

Receptacles for the receipt of documents, packages, or other deliverable matter. Mail boxes include, but are not limited to, post office boxes and receptacles provided by commercial mail-receiving agencies, apartment facilities, or schools.

### **Maintenance of Accessible Features**

The requirement that certain features of facilities and equipment be readily accessible to and usable by persons with disabilities and be kept in operable working condition. Accessible features cannot be reversed. This does not prohibit isolated or temporary interruptions in service or access due to maintenance of accessible features and/or repairs.

### **Major Life Activity**

Activities that an average person can perform with little or no difficulty, including functions such as caring for oneself, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning, working, and bodily functions. The ADA Amendments Act of 2008 clarified that major life activities also include major bodily functions.

**Maneuvering Clearance**

Minimum clear floor area that must be provided on both sides of doors and gates.

**Marked Crossing**

A crosswalk or other identified path intended for pedestrian use in crossing a vehicular way.

**Maximum Extent Feasible**

When a public entity undertakes an alteration to an existing facility that could affect the usability of the facility, the alteration must be made accessible to the maximum extent feasible.

**Mezzanine**

An intermediate level or levels between the floor and ceiling of any story with an aggregate floor area of not more than one-third of the area of the room or space in which the level or levels are located. Mezzanines have sufficient elevation that space for human occupancy can be provided on the floor below.

**Modification of Policies and Procedures**

Changes to existing policies and procedures to accommodate the needs of people with disabilities and ensure equal access to all goods, services, and activities offered to others.

**Multiple Chemical Sensitivity**

A condition in which people have extreme sensitivity to low-level everyday chemicals (e.g., solvents, cleaning products, and volatile organic compounds [VOCs]). Individual tolerances vary, but the condition can be disabling.

**Occupant Load**

The number of persons for which the means of egress of a building or portion of a building is designed.

**Operable Part**

A component of an element used to insert or withdraw objects, or to activate, deactivate, or adjust the element. Any maintenance which does not affect structure, egress, fire protection systems, fire ratings, energy conservation provisions, plumbing, sanitary, gas, electrical or other utilities.

**Other Power-Driven Mobility Devices (OPDMD)**

"A mobility device powered by batteries, fuel, or other engines... that is used by individuals with mobility disabilities for the purpose of locomotion, including golf carts, electronic personal

assistance mobility devices... such as the Segway<sup>®</sup> Personal Transporter, or any mobility device designed to operate in areas without defined pedestrian routes, but that is not a wheelchair."

### **Path of Travel**

A continuous, unobstructed pedestrian route for reaching, entering, or exiting a destination within a building that connects to the external path of travel including sidewalks, streets, and parking areas.

### **Pictogram**

A pictorial symbol that represents activities, facilities, or concepts.

### **Play Area**

A portion of a site containing play components designed and constructed for children.

### **Play Component**

An element intended to generate specific opportunities for play, socialization, or learning. Play components are manufactured or natural; and are stand-alone or part of a composite play structure.

### **Power-assisted Door**

A door with a mechanism that helps to open the door or that reduces the opening resistance of a door, upon the activation of a switch or a continued force applied to the door itself.

### **Primary Function Area**

A major activity for which the facility is intended. Areas that contain a primary function include, but are not limited to: the customer services lobby, ticketing, platforms or boarding areas.

### **Program Accessibility**

The extent to which programs and activities as well as services and benefits are readily accessible to and usable by persons with disabilities when each type is viewed in its entirety.

### **Protruding Objects**

Objects that extend into circulation path from the side or from posts, or objects that overhang circulation paths and do not provide clear headroom. Objects with a leading edge more than 27" above the finished floor and not more than 80" above the finished floor or ground should not extend more than 4" horizontally into the circulation path. An unprotected area underneath stairways is also a protruding object.

### **Public Entrance**

An entrance that is not a service entrance or a restricted entrance.

### **Public Right of Way**

Public land or property, usually in interconnected corridors, that is acquired for or dedicated to transportation purposes.

### **Public Use**

Interior or exterior rooms, spaces, or elements that are made available to the public. Public use may be provided at a building or facility that is privately or publicly owned.

### **Qualified Historic Building or Facility**

A building or facility that is listed in or eligible for listing in the National Register of Historic Places, or designated as historic under an appropriate state or local law.

### **Qualified Interpreters**

#### Sign Language Interpreter

A person who is trained in American Sign Language (ASL) or other visually interactive language that uses a combination of hand motions, body gestures, and facial expressions. Specially trained people perform sign language interpretation. There are several different types of sign language including American Sign Language and Signed English.

#### Oral Interpreter

Interpreters specially trained to articulate speech silently and clearly, sometimes rephrasing words or phrases to give higher visibility on the lips. Natural body language and gestures are also used. Not all people who are deaf or hard of hearing are trained in sign language. Some are trained in speech reading (lip reading) and can understand spoken words more clearly with assistance from an oral interpreter.

#### Cued Speech Interpreter

A cued speech interpreter functions in the same manner as an oral interpreter except that he or she also uses a hand code, or cue, to represent each speech sound.

### **Qualified Reader**

A person who is able to read effectively, accurately, and impartially for a person with a disability using any necessary specialized vocabulary.

### **Ramp**

A walking surface that has a running slope greater than 1:20 (5%) but no greater than or equal to 1:12 (8.33%).

### **Reach Range**

Maximum and minimum allowed height to reach an element.

### **Restricted Entrance**

An entrance that is made available for common use on a controlled basis but not public use and that is not a service entrance.

### **Running Slope**

The slope that is parallel to the direction of travel.

### **Safe Harbor**

A provision within ADA 2010 Standards that clarifies that an entity that has met previous federal design standards for accessible design does not need to update to the ADA 2010 Standards unless there is an alteration to the facility.

### **Screen Reader**

A computer program that speaks written text and allows a person to listen to the written text on a webpage or in a computer program. Screen readers read only text; they cannot describe pictures or other images, including images that are pictures of text.

### **Self-Service Storage**

Building or facility designed and used for the purpose of renting or leasing individual storage spaces to customers for the purpose of storing and removing personal property on a self-service basis.

### **Service Animal**

Any dog that is individually trained to do work or perform tasks for the benefit of an individual with physical, sensory, or brain-based functional limitations (disabilities). Other species of animals, whether wild or domestic, trained or untrained, are not service animals under the ADA. Note that miniature horses are *not* considered service animals, but an individual may request a reasonable modification to use a miniature horse in some circumstances.

### **Service Entrance**

An entrance intended primarily for delivery of goods or services.

### **Shared Use Path**

The term "shared use path" means a multi-use trail or other path, physically separated from motorized vehicular traffic by an open space or barrier, either within a highway right-of-way or within an independent right-of-way, and usable for transportation purposes. Shared use paths may be used by pedestrians, bicyclists, skaters, equestrians, and other nonmotorized users including motorized and manual wheelchairs.

### **Sidewalk**

A paved walk within a street right of way.

### **Signage**

Displayed audio, symbolic, tactile, and/or pictorial information.

#### Designation:

Interior and exterior signs identifying permanent rooms and spaces. (E.g. restrooms, room numbers and room names)

#### Directional and informational:

Signs that provide direction to or information about interior spaces and facilities of the site

#### Egress:

See Designation, and Directional, and Informational.

### **Site**

A parcel of land bounded by a property line, or a designated portion of a public right-of-way.

### **Soft Contained Play Structure**

A play structure made up of one or more play components where the user enters a fully enclosed play environment that utilizes pliable materials, such as plastic, netting, or fabric

### **Space**

A definable area, such as a room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

### **Story**

That portion of a building or facility designed for human occupancy included between the upper surface of a floor and upper surface of the floor or roof next above. A story containing one or more mezzanines has more than one floor level.

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### Structural Change

*Structural change* includes major *reconstruction* of walls or partitions or relocation of load bearing walls or partitions. Minor alterations including the opening of sections of walls and/or the relocation of equipment or fixtures may not be considered a *structural change*.

### Tactile

An object or sign that can be perceived using the sense of touch.

### Technical Infeasibility

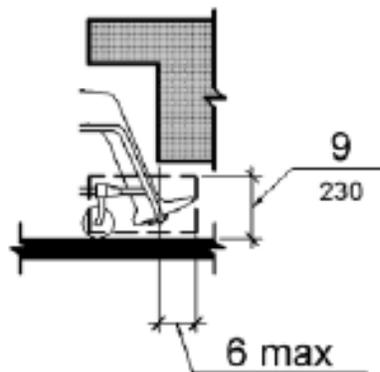
With respect to an alteration of a building or a facility, something that has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member that is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements.

### Teeing Ground

In golf, the starting place for the hole to be played.

### Toe clearance

Space under an element between the finished floor or ground and 9 inches above the finished floor or ground.



### TTY

An abbreviation for teletypewriter. Machinery that employs interactive text-based communication through the transmission of coded signals across the telephone network. TTYs may include, for example, devices known as TDDs (telecommunication display devices or telecommunication devices for deaf persons) or computers with special modems. TTYs are also called text telephones.

### **Transfer System**

Platforms, steps and supports that allow a person who uses a wheelchair or a mobility device to access an elevated play component.

### **Transfer Device**

Equipment designed to facilitate the transfer of a person from a wheelchair or other mobility aid to and from an amusement ride seat.

### **Unassisted Access**

*Unassisted access* enables a *person with a disability* to obtain information about and to maneuver a path of travel independently and without the assistance of another person, except at those points and under those conditions under which individuals without disabilities would be in need of assistance from another person.

### **Undue Burden**

This term applies to a potential limitation to the obligation of program accessibility and means *significant difficulty or expense*.

### **Universal Design (See Inclusive Design)**

### **User/Expert**

Anyone with lived experience of functional limitation who has developed natural experience in dealing with the challenges of our physical, information, communication, policy, and attitudinal/social environments.

### **Use Zone**

The ground level area beneath and immediately adjacent to a play structure or play equipment that is designated for unrestricted circulation around the play equipment and where it is predicted that a user would land when falling from or exiting the play equipment.

### **Variance**

Formal request for a modification of or substitution for compliance with a code, standard, regulation, or policy.

### **Vehicular Way**

A route intended for vehicular traffic, such as a streets and driveways. Accessible routes must not overlap the vehicular way.

### **Vertical Clearance**

Vertical clearance must be 80 inches high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish floor or ground. Door closers and door stops may be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

### **Video Remote Interpreting (VRI)**

An interpreting service that uses video conference technology over dedicated lines or wireless technology offering high-speed, wide-bandwidth video connection that delivers high-quality video images. This is an efficient option for short conversations with people who use American Sign Language when the content and length of the exchange doesn't warrant hiring an interpreter or when an interpreter cannot be procured.

### **Walk (Walkway)**

An interior or exterior path of travel with a paved surface intended for pedestrian use, including but not limited to general pedestrian areas such as sidewalks, plazas, courts and crosswalks.

### **Wayfinding**

What people consider, understand, and do in order to find their way from one place to another. It is the result of a complex process involving vision, hearing, cognition, sensory perception, experience, expectations, decision-making, and other factors.

Wayfinding means:

- Knowing where you are
- Knowing your destination
- Knowing and following an effective route
- Recognizing your destination
- Finding your way to your next destination or back to your starting point

### **Wayfinding System**

People are able to find their way through complex facilities as a result of environmental design features, operational policies and practices, and their own behavior. These three components – design, operations, and behavior – comprise a wayfinding system.

### **Wheelchair**

A manually operated or power-driven mobility aid designed primarily for use by a person with a mobility limitation for the main purpose of indoor, or both indoor and outdoor use.

**Wheelchair Space**

Space for a single wheelchair and its occupant.

**Work Area Equipment**

Any machine, instrument, engine, motor, pump, conveyor, or other apparatus used to perform work. As used in this document, this term shall apply only to equipment that is permanently installed or built-in in employee work areas. Work area equipment does not include passenger elevators and other accessible means of vertical transportation.

## Acronyms

### **MAAB – Massachusetts Architectural Access Board**

A regulatory agency within the Massachusetts Office of Public Safety. The nine-person board was established under state law, M.G.L. Chapter 22, Section 13A. Its legislative mandate states that it shall develop and enforce regulations designed to make public buildings accessible to, functional for, and safe for use by persons with disabilities. It enforces regulations governing building accessibility, reviews complaints and requests for waivers, and provides training and technical assistance on accessibility issues.

### **ADA - Americans with Disabilities Act of 1990, as Amended**

This federal law, based on the 1964 Civil Rights Act, prohibits discrimination and stipulates equal participation for people with disabilities in employment, state and local government, public accommodations, commercial facilities, transportation, and telecommunications

### **ALD - Assistive Listening Device**

An audio enhancement system that brings sound directly into the ear of someone with hearing limitations (people with or without hearing aid(s)/cochlear implant(s)). It helps to overcome the problems of distance and surrounding noise.

### **ALS - Assistive Listening Systems**

An amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of audio loop, radio frequency, infrared, or direct-wired equipment.

### **ASL – American Sign Language**

A visually interactive language that uses a combination of hand motions, body gestures, and facial expressions. Specially trained people perform sign language interpretation. There are several different types of sign language, including American Sign Language and Signed English.

### **ASTMF**

American Society for Testing and Materials.

[ASTM F 1292-99](#) Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment (see 1008.2.6.2).

ASTM F 1292-04 Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment (see 1008.2.6.2).

ASTM F 1487-01 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use (see 106.5).

ASTM F 1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment (see 1008.2.6.1).

**(PAR) – Pedestrian Access Route**

A pedestrian access route is a continuous and unobstructed path of travel provided for pedestrians with disabilities within or coinciding with a pedestrian circulation path in the public right-of-way.

**PROW – Public Rights of Way and Shared Use Paths (from US Access Board)**

New design guidelines developed by the US Access Board will cover access to public rights -of -way, including sidewalks, intersections, street crossings, and on-street parking. The Board is also addressing access to shared-use paths providing off-road means of transportation and recreation.

# Sample Illustrations

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Excerpt from the DCR Outdoor Accessibility Standards



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**Institute for Human Centered Design**

200 Portland Street, First Floor, Boston, MA 02114

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Developed by the Institute for Human Centered Design, this booklet combines the aspects of the 2010 ADA Standards for Accessible Design, the regulations of the Massachusetts Architectural Access Board, the U.S. Forest Service Outdoor Recreation Accessibility Guidelines and the Massachusetts Department of Conservation and Recreation Accessibility Guidelines that provide the greatest amount of accessibility.



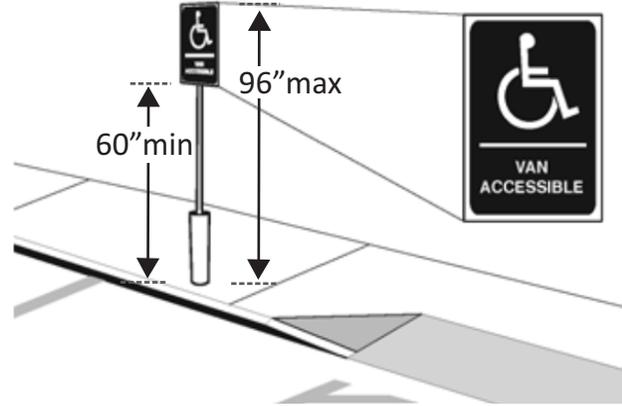
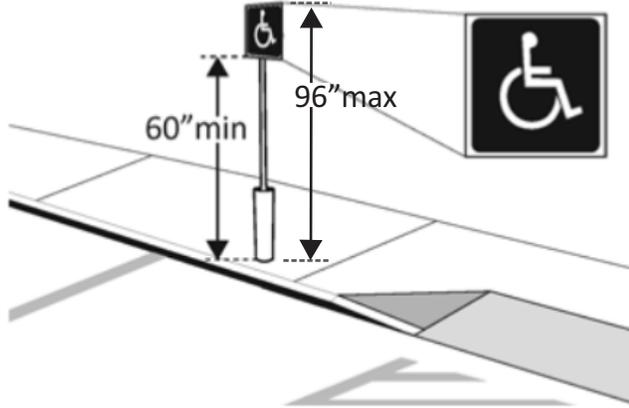
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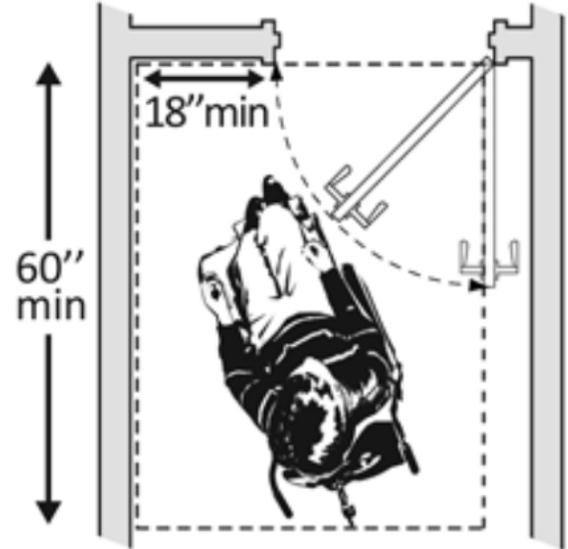
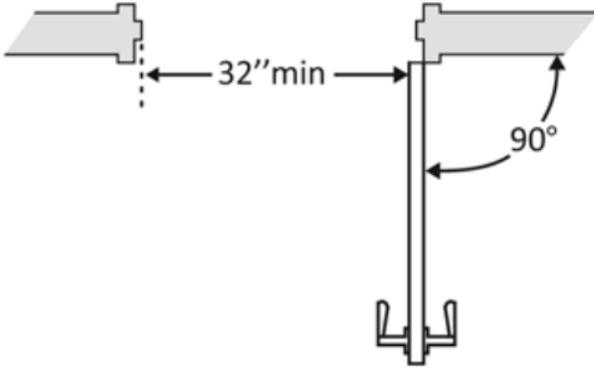
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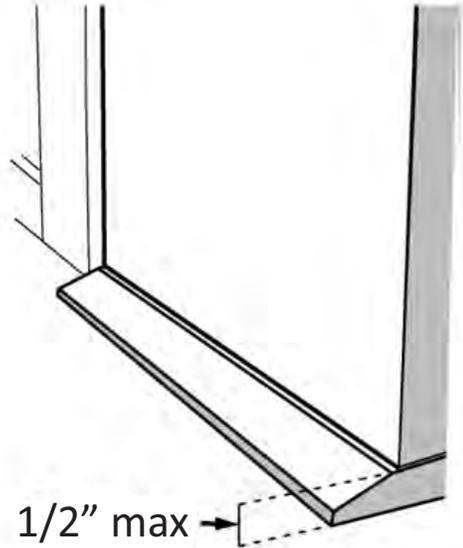
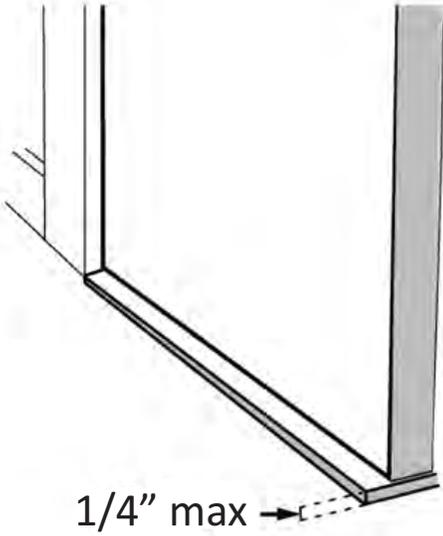
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Total Number of Parking Spaces Provided in Parking Facility	Minimum Number of Required Accessible <u>Parking Spaces</u>	Minimum Number of Required Accessible <u>Van Spaces</u>
1 to 25	1	1
26 to 50	2	1
51 to 75	3	1
76 to 100	4	1
101 to 150	5	1
151 to 200	6	1
201 to 300	7	2
301 to 400	8	2
401 to 500	9	2
501 to 1000	2 percent of total	1 of every 6 spaces
1001 and over	20, plus 1 for each 100, or fraction thereof over 1000	1 of every 6 spaces

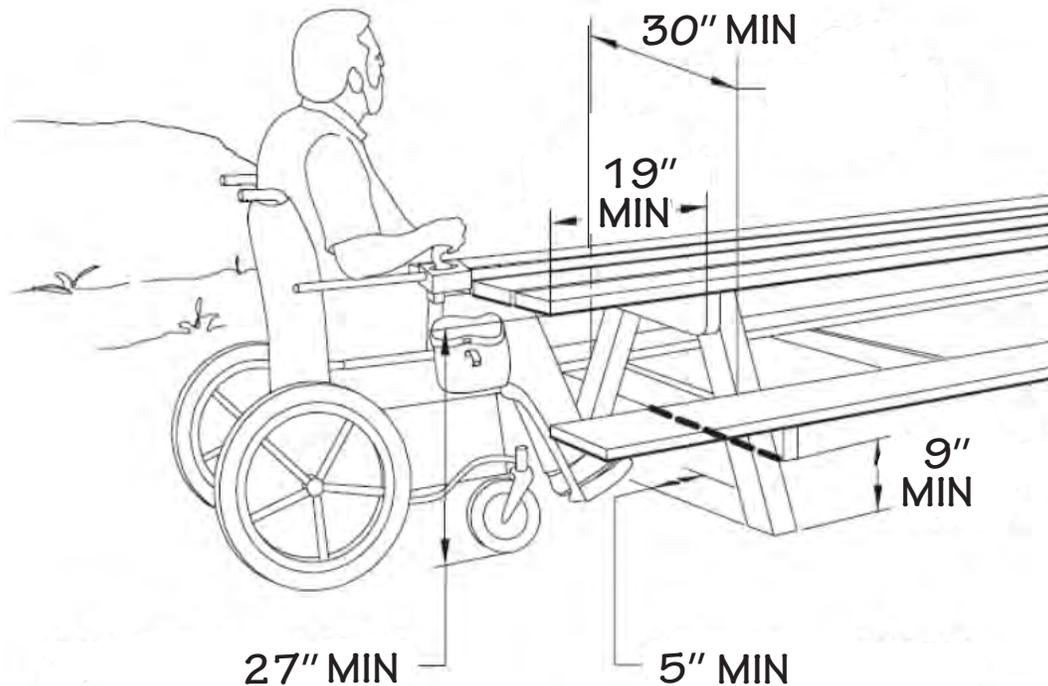


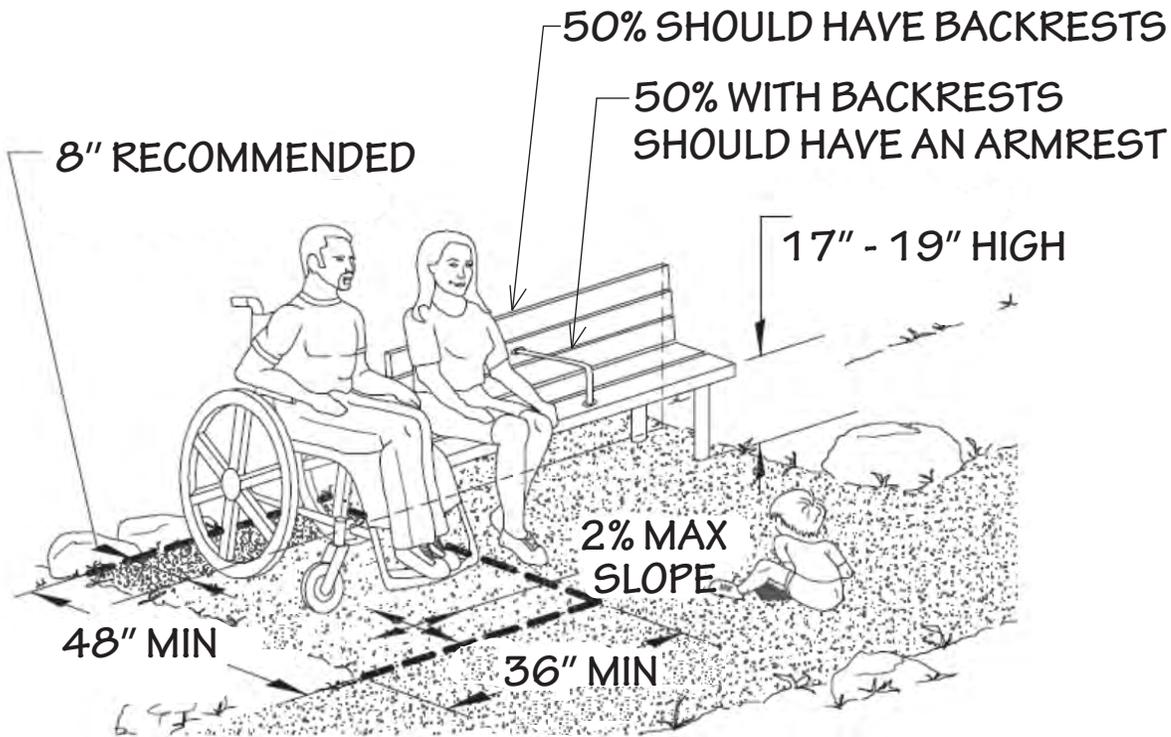
Parking Signs

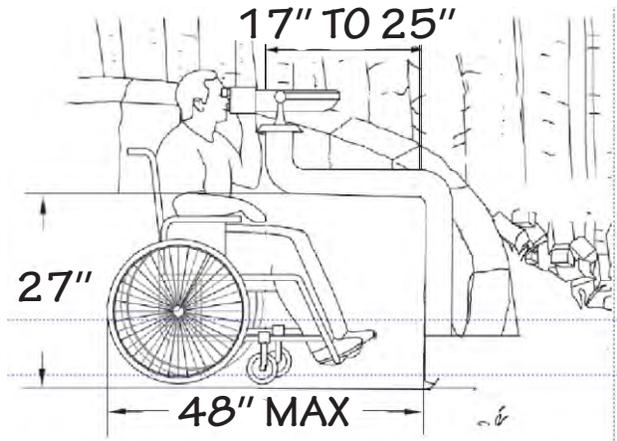




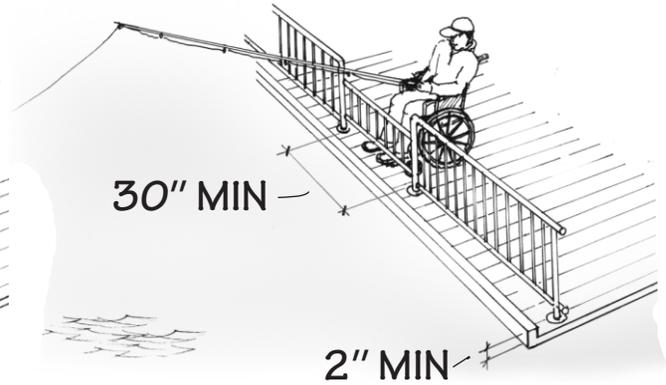
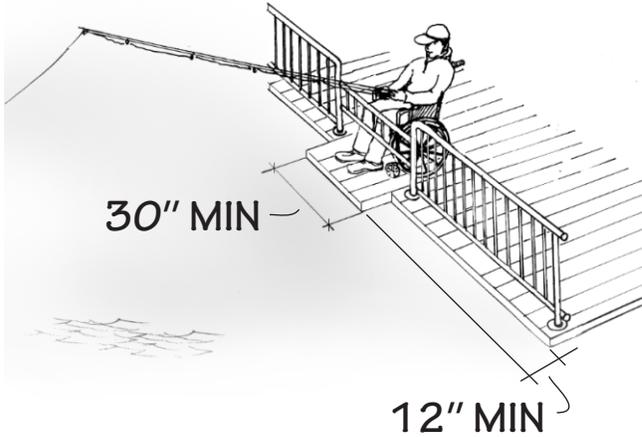
Thresholds



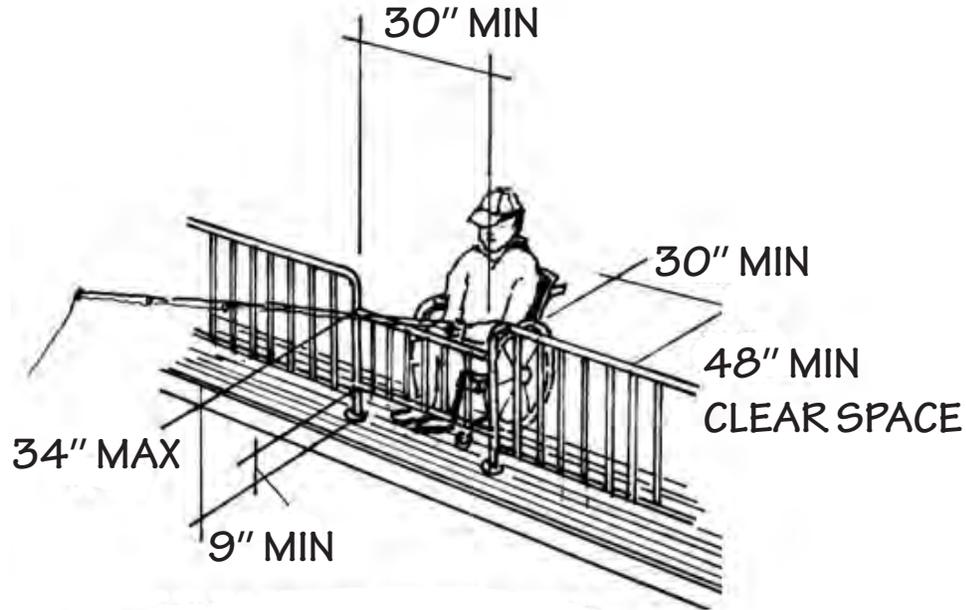




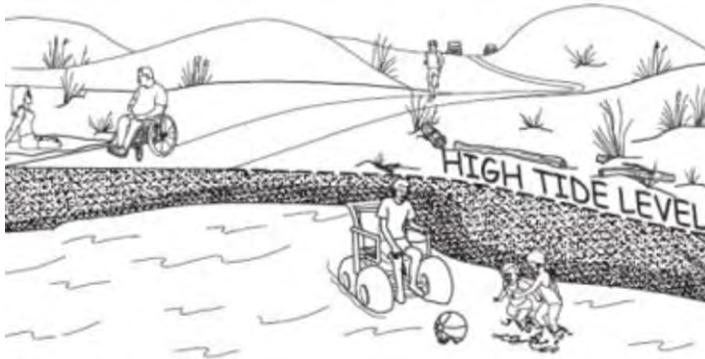
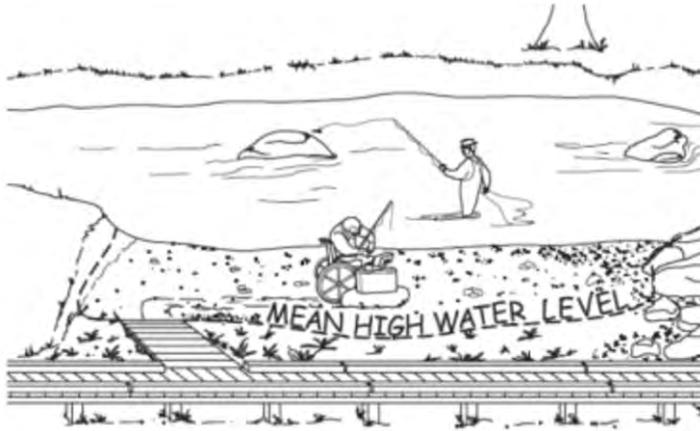
Viewing Areas



Twelve inch minimum deck horizontal extension or two inch minimum vertical edge protection is required. See railing requirements on following page.

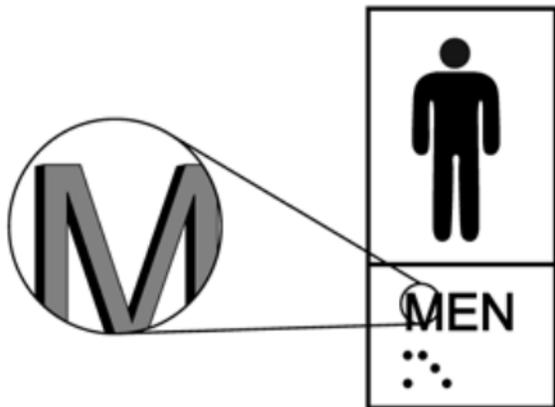


RAILING HEIGHTS AND CLEAR SPACE



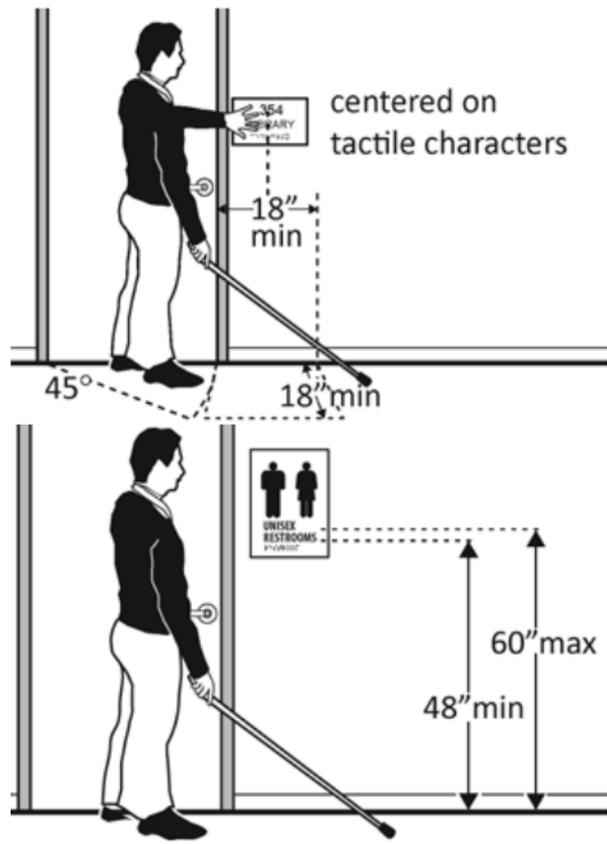
- Beach access routes shall coincide with or be located in the same general area as the pedestrian access points to the beach. Beach access routes shall extend to:
- High tide level at tidal beaches
  - Mean high water level at river beaches
  - Normal recreation water level at lake, pond, and reservoir beaches

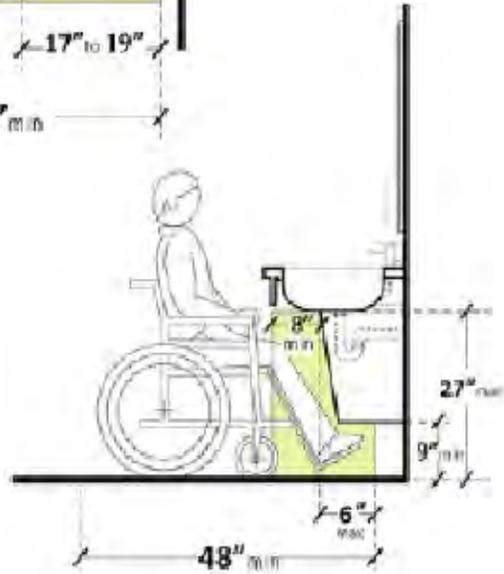
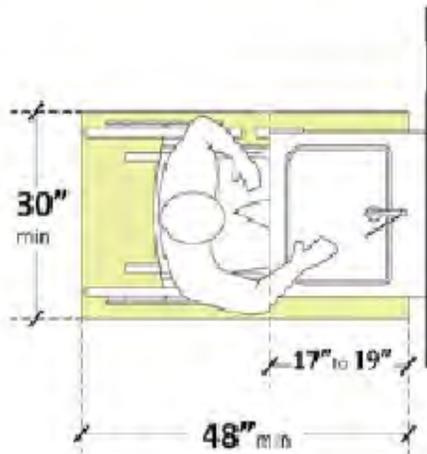
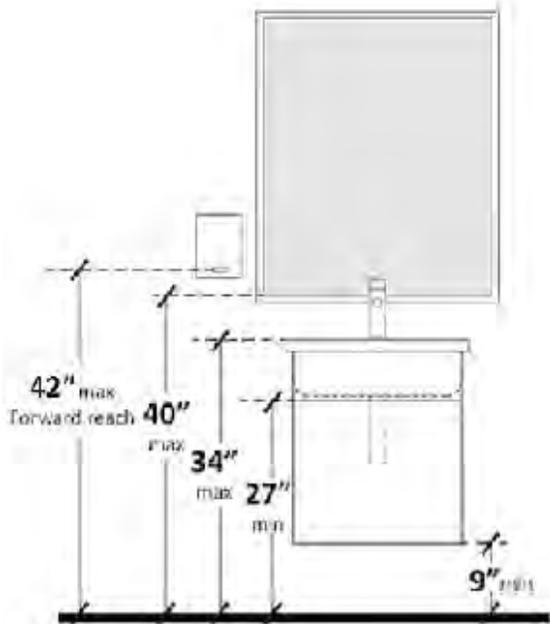
See slope information on following page.



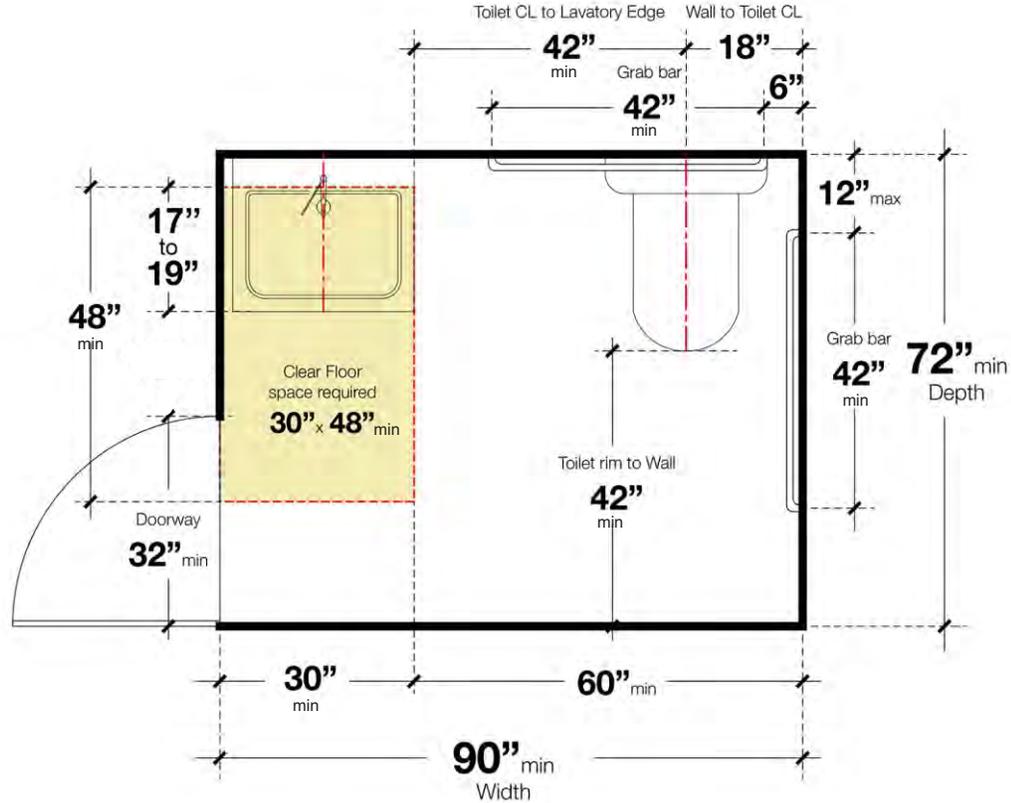
Text characters must be raised, Braille must be present and signs must be mounted on latch side of door.

## Signage

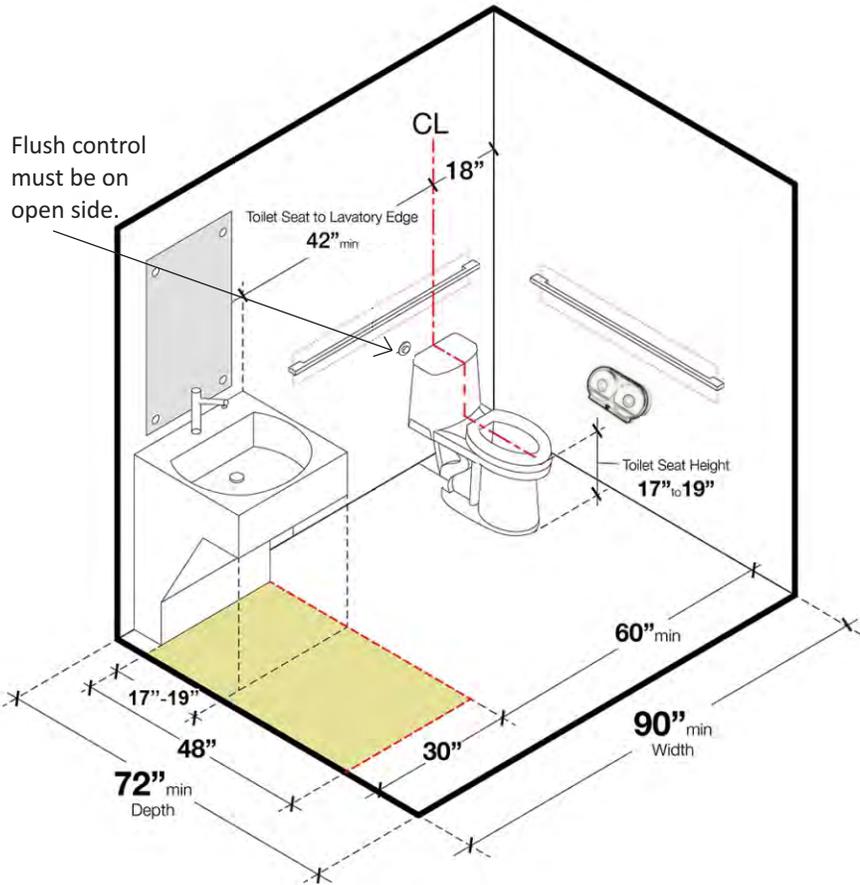




Lavatories

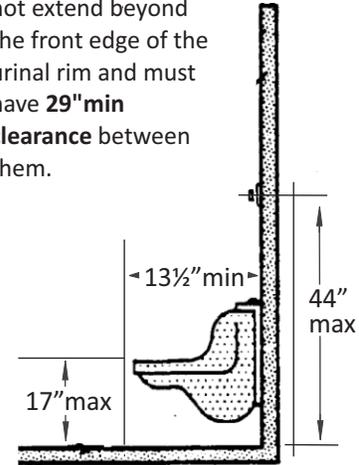


## Single User Toilets



### Urinal Specifications

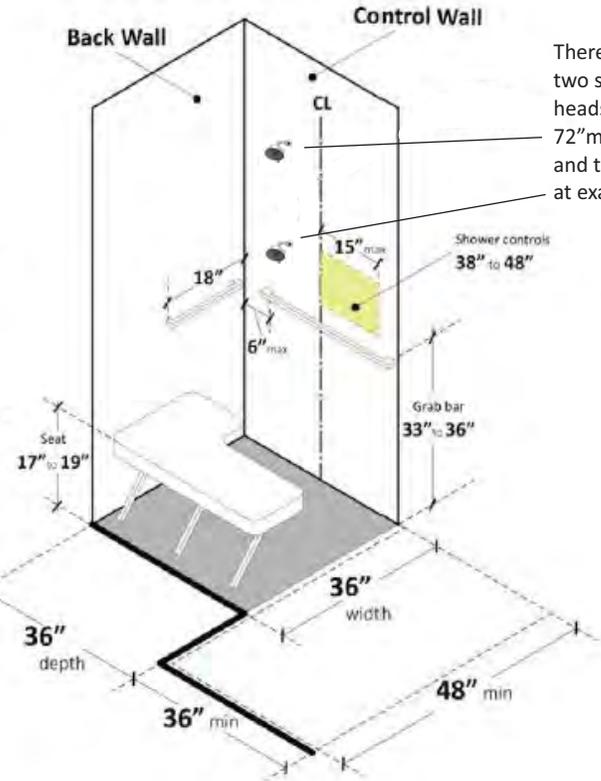
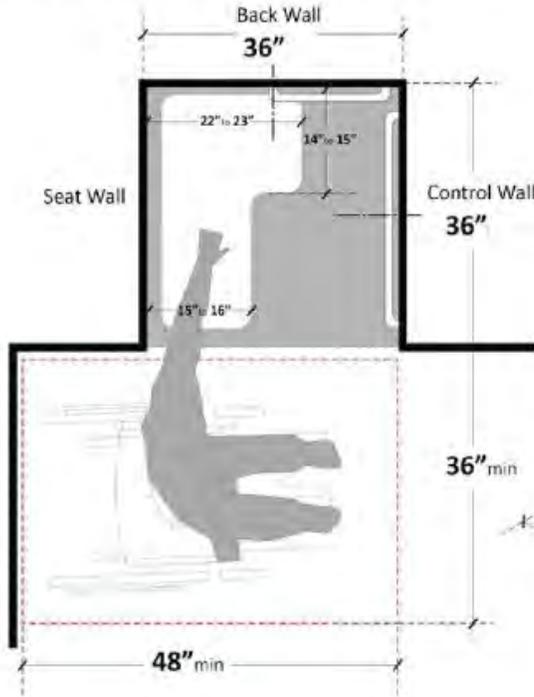
Urinal shields must not extend beyond the front edge of the urinal rim and must have **29" min clearance** between them.



Single User Toilets

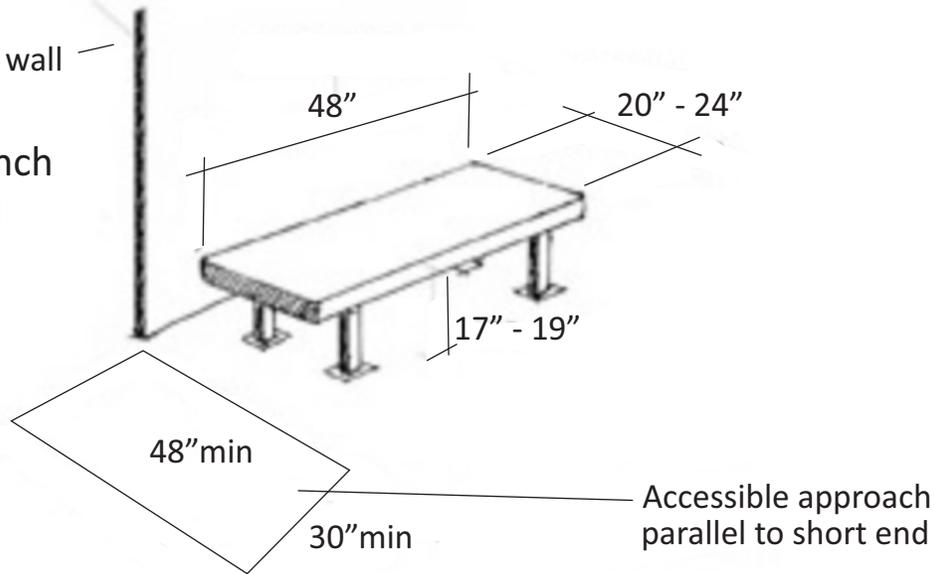


*Transfer Type Shower Compartment*

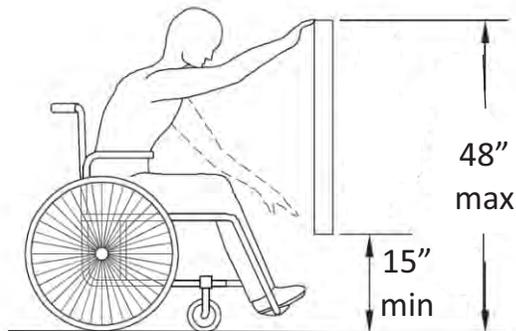
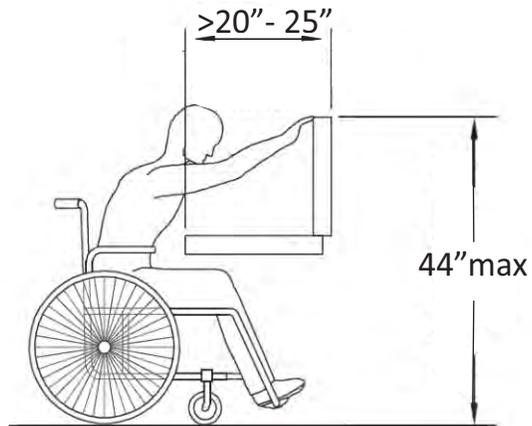
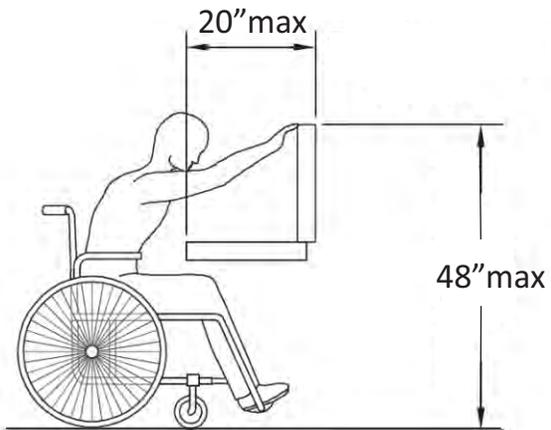


There must be two shower heads, one at 72" min and the other at exactly 48"

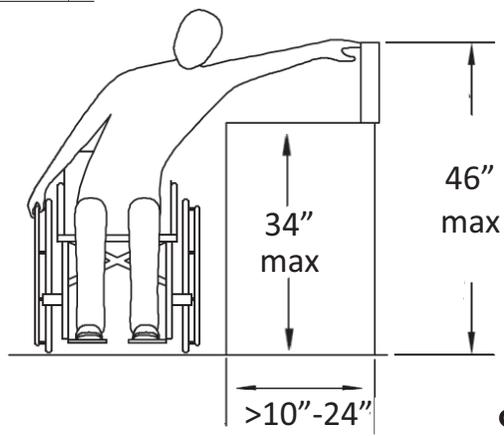
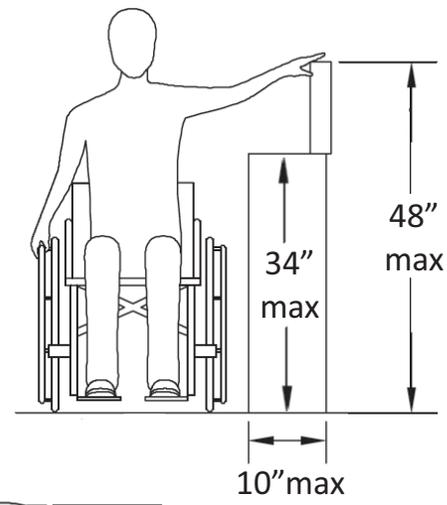
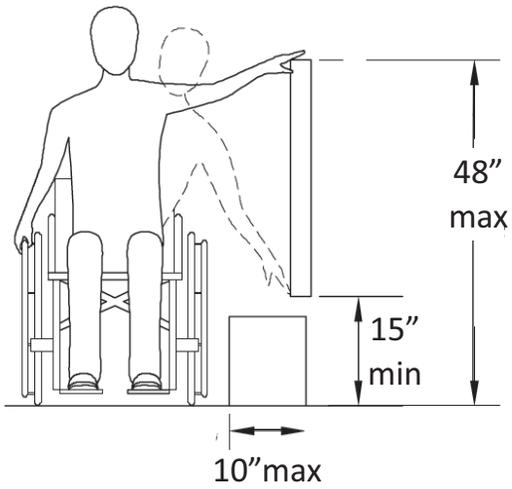
Accessible Bench  
Against a Wall



Changing Room Benches



Forward Reach Range



Side Reach Range



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