

Nixon Elementary School



Town of Sudbury ADA Transition Plan

January 2021



Institute for Human Centered Design

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Background

Year Built: 1960 Year Renovated: 1990, 1995

Nixon Elementary School, located at 472 Concord Road, is a one story building serving students from kindergarten through the fifth grade.

There are two accessible entrances; the main entrance is located on the southeast side and there is a secondary entrance on the north side of the building by the back parking lot. There are 11 exits in addition to these two doors.

The school contains administrative offices; a health office with a single-user toilet room; classrooms for kindergarten through the fifth grade; a cafeteria with a stage; a learning studio; a library; classrooms for Spanish, art, science and music; a learning center; and a gym. Three sets of multi-user toilet rooms for girls and boys are provided.

Parking is located on the north and south side. Exterior amenities include a courtyard at the center of the building with picnic tables, raised garden beds and benches; a basketball court on the north side; and a soccer field on the southeast side. A playground on the west side was under construction at the time of survey and was unable to be assessed.

Key Accessibility Issues

Exterior Access Routes

Accessibility issues with walkways around the school include walkways with excessive changes in level and surface openings, walkways with protruding objects, walkways that are not maintained in operable working condition and walkways with surfaces that are not stable, firm and slip resistant.

Parking

Accessibility issues with parking include lack of a sign with the designation "Van Accessible" at one van accessible parking space in the front and back parking lots.

Signage

Accessibility issues with signage include noncompliant or missing egress signage, including lack of a sign with an illuminated International Symbol of Accessibility (ISA) at exit doors that connect directly to an accessible means of egress.

Dining and Work Surfaces

Accessibility issues include lack of accessible work surfaces in eight (8) locations and lack of accessible picnic tables in two (2) locations. In addition, picnic tables in three (3) locations are not located on an accessible route.

Toilet Rooms

Accessibility issues in toilet rooms include lack of a required ambulatory compartment in three (3) multi-user girls' toilet rooms, lack of pipes that are protected against contact under lavatories, flush valves not located on the open or transfer side, dispensers mounted above grab bars, and malfunctioning self-closing hinges at accessible compartments. Additional accessibility issues with toilet rooms include urinals and mirrors mounted higher than the maximum height allowed, dispensers that protrude into the circulation path, and grab bars mounted at incorrect heights.

Drinking Fountains

Accessibility issues include lack of drinking fountains for standing users in six (6) locations.

Classroom Sinks

Accessibility issues with sinks in classrooms include lack of the minimum required knee and toe clearance, exposed pipes and faucets that are not operable with a closed fist.

Additional Accessibility Issues

- Lack of handrails on both sides of the ramp to the stage.
- Some carpets and mats are not secured.
- Lack of an accessible route to the book-sharing box.
- Lack of an accessible route to the soccer field.
- Lack of an accessible service counter at reception.

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- Lack of integrated accessible seating at the bleachers in the music room.*
- Lack of an assistive listening system in Special Room Number 33.

Note: Where a sound system, microphone and/or speaker are integral to the use of the space, an assistive listening system (ALS) must be provided. If an assistive listening system is present, a sign indicating its availability is required.

Order of Magnitude Cost Estimates

- Renovate and provide exterior accessible routes at walkways around school: \$12,744
- Provide signage with the designation "Van Accessible" at one space in each lot: \$1,000
- Provide an assistive listening system: \$1,214
- Provide eight (8) accessible work surfaces: \$1,600
- Renovate and provide egress signage: \$3,920
- Provide handrails on both sides of the ramp to the stage: \$2,640
- Provide accessible picnic tables and an accessible route to the accessible picnic table: \$5,840
- Provide an accessible route to one bench in each area: \$1,392
- Renovate toilet rooms: \$29,401
- Provide drinking fountains for standing users: \$24,356
- Renovate classroom sinks (in rooms that have sinks, one accessible sink per grade and in unique rooms that have sinks, such as the art room): \$36,024
- Miscellaneous corrective actions (including accessible operable parts, route to the soccer field, service counter, protruding objects etc.): \$3,662

Total: \$123,793*

***Note:** Costs to provide integrated accessible seating at the music room are not included. The number of accessible integrated seats that are required is based on the number of available bleacher seats as indicated in Table 221.2.1, *Number*

of Wheelchair Spaces in Assembly Areas in the 2010 ADA Standards for Accessible Design.

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 accessible designation signage at permanent rooms that lack signage.
- Recommend providing handrails on each side of the stair to the stage.
- Recommend providing a 10" high solid surface (kickplate) on the push side of the gate to the playground.
- Recommend providing a 48" wide accessible route around the accessible picnic table.
- Recommend providing a 36" x 48" space alongside one bench in each area positioned so that a person using a wheelchair can sit shoulder to shoulder with someone seated on the bench.
- Recommend providing a variety of benches, including benches with backs and armrests.






Figure 1: In the following image, orange lines show recommended stone dust routes in the courtyard, to the soccer field and between the playground and front parking lot:








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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Approach and Entrance												
Exterior Access Route												
1	Path to Basketball Court From Back Entrance	Ext.		Exterior Access Route	Walkway		Obstructed by protruding objects	-	Trim low hanging branches in trees.	1	200	\$200
2	Back Road From Playground to Front Parking	Ext.		Exterior Access Route	Walkway		Surface openings > 1/2" Level changes > 1/4" Surface is not stable, firm, and slip-resistant	1" -	Alter change in level to be 1/4" high max. Repair surface. (Cost estimate for a 188' long, 4' wide stone dust route.)	1	6016	\$6016
3	Path to Basketball Court From Back Entrance	Ext.		Exterior Access Route	Exterior		Surface openings > 1/2" Route not maintained in operable working condition	2"	Repair asphalt so that openings are 1/2" max. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 6' long by 4' wide area of asphalt.)	1	240	\$240
4	Egress Door 7	Ext.		Exterior Access Route	Exterior		Level changes > 1/4"	1"	Alter change in level to be 1/4" high max.	1	160	\$160
5	Path to Football Field and New Playground	Ext.		Exterior Access Route	Walkway		Surface is not stable, firm, and slip-resistant Route not maintained in operable working condition	- -	Repair surface. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 30' long 4' wide of asphalt.)	1	1200	\$1200






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6	Path to Basketball Court From Back Entrance	Ext.		Exterior Access Route	Walkway		Surface is not stable, firm, and slip-resistant Route not maintained in operable working condition	- -	Repair surface. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 10' long by 4' wide area of asphalt.)	1	400	\$400
7	Path to Basketball Court From Back Entrance	Ext.		Exterior Access Route	Walkway		Surface is not stable, firm, and slip-resistant Route not maintained in operable working condition	- -	Repair surface. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 10' long by 4' wide area of asphalt.)	1	400	\$400
8	Corridor Exit 12 by Office 19	1	19	Exterior Access Route	Walkway		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working condition. (Cost estimate for 4' x 4' asphalt area.)	1	160	\$160
9	Courtyard Patio	Ext.		Exterior Access Route	Exterior		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working condition.	1	Labor	\$0
10	Egress Door 13 Route	Ext.		Exterior Access Route	Exterior		Route not maintained in operable working condition	-	Ensure the accessible route is maintained in operable working condition.	1	160	\$160






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11	Path to Soccer Field and New Playground	Ext.		Exterior Access Route	Walkway		Route not maintained in operable working condition Surface is not stable, firm, and slip-resistant	- -	Repair surface. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 10' long 4' wide of asphalt.)	1	400	\$400
12	Path to Basketball Court From Back Entrance	Ext.		Exterior Access Route	Walkway		Route not maintained in operable working condition Surface is not stable, firm, and slip-resistant	- -	Repair surface. Ensure the accessible route is maintained in operable working condition. (Cost estimate for 6' long by 4' wide area of asphalt.)	1	240	\$240
13	Courtyard Garden Beds and Bench	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Ensure an accessible route is provided to the garden beds and one bench in the courtyard. (Cost estimate for a 83' long by 4' wide stone dust walkway.)	1	2656	\$2656
14	Courtyard Chess Table	Ext.		Exterior Access Route	Exterior		Accessible route not provided	-	Provide an accessible route to the chess board. (Cost estimate for a 10' long by 4' wide stone dust walkway.)	1	320	\$320
15	Bike Rack on Left Side of Entrance	Ext.		Exterior Access Route	Walkway		Accessible route not provided	-	Ensure an accessible route is provided. (Cost based on a 6' long by 4' wide stone dust route.)	1	192	\$192






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Off-Street Parking Lot or Garage												
16	Back Parking Lot	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Sign does not have the designation "Van Accessible"	37 2 0 -	Add the designation "Van Accessible" to one parking space.	1	500	\$500
17	Front Parking Lot	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of parking Total # of designated accessible parking spaces Total # of designated van accessible spaces Sign does not have the designation "Van Accessible"	60 3 0 -	Add the designation "Van Accessible" to one of the accessible parking spaces.	1	500	\$500
Emergency Exit												
18	Egress Door 6	1		Emergency Exit	N/A		Tactile sign not provided at exit Directional sign to accessible emergency exit not provided	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide a directional sign indicating the location of the nearest accessible emergency exit.	1	464	\$464
19	Main Entrance Door 1 (Egress)	1		Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
20	Egress Door 7	1		Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432



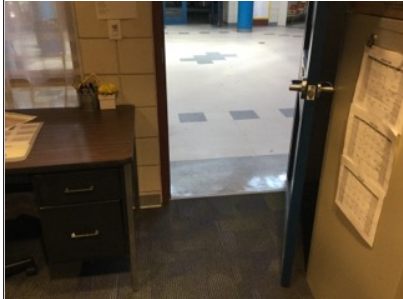


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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
21	Egress Door 2	1		Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
22	Egress Door 13	1		Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
23	Egress Door 8	1		Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
24	Gym Egress Door 9	1	16	Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
25	Gym Egress Door 10	1	16	Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
26	Corridor Exit 12 by Office 19	1	19	Emergency Exit	N/A		Tactile sign not provided at exit Illuminated Int. Symbol of Acc. not provided (MAAB)	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Provide an illuminated sign with the International Symbol of Accessibility.	1	432	\$432
27	Corridor Exit 12 by Office 19	1	19	Emergency Exit	N/A		Door requires > 15 lbs. of force to open	20 lbs	Adjust closers of exterior doors so doors do not require more than 15 pounds of force.	1	Labor	\$0
28	Egress Door 8	Ext.		Emergency Exit	N/A		Door requires > 15 lbs. of force to open	18lbs	Adjust closers of exterior doors so doors do not require more than 15 pounds of force.	1	Labor	\$0
Access to Goods and Services												
Interior Access Route												
29	Library Media Center	1	1	Interior Access Route	N/A		Route < 36" wide	34.5"	Ensure that a clear width of 36" min. is maintained at the accessible route.	1	Labor	\$0
30	Tray Drop by Kitchen Area	1		Interior Access Route	N/A		Obstructed by protruding objects	12"	Provide a cane-detectable barrier at each side of the tray drop.	2	306	\$612






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31	Library Media Center	1	1	Interior Access Route	N/A		Surface not stable, firm, and slip-resistant	-	Secure the mat.	1	Labor	\$0
32	Spanish Class	1	14	Interior Access Route	N/A		Surface not stable, firm, and slip-resistant	-	Secure the mat.	1	Labor	\$0
Doors, Doorways, & Gates												
33	Office	1	20	Doors, Doorways, & Gates	Office		Clear width at door < 32"	27"	Relocate furniture to ensure there is a 32" min wide route into the room.	1	Labor	\$0
34	Learning Studio	1	22	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	13"	Relocate the table out of the door maneuvering clearance.	1	Labor	\$0
35	Grade 3 Classroom	1	25	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate blue storage cart.	1	Labor	\$0






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36	Grade 1 Classroom	1	27	Doors, Doorways, & Gates	Classroom		Maneuvering clearance(s) not provided	-	Relocate trash bin.	1	Labor	\$0
37	Counselor's Office	1	35	Doors, Doorways, & Gates	Office		Maneuvering clearance(s) not provided	-	Relocate fire extinguisher out of door maneuvering clearance.	1	Labor	\$0
Ramps												
38	Accessible Stage Access	1		Ramps	Interior		Handrails not provided at both sides if rise is > 6"	-	Provide handrails on both sides.	1	2640	\$2640
Signage												
39	Gym	1	16	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 finished floor and the baseline of the highest tactile character is 60" max. above the finished floor.	1	Labor	\$0
40	Cafeteria	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






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
41	Girls' Toilet Room Near the Gym	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
Service Counter												
42	Reception	1		Service Counter	N/A		Counter > 36" high	45"	Provide a counter that is 36" max. above the finished floor.	1	880	\$880
Operable Parts												
43	Book Sharing Box	Ext.		Operable Parts	Other		Element not on an accessible route Not operable with a closed fist	- -	Ensure the library box is located on an accessible route. Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. (Cost estimate for a 6' long by 4' wide stone dust route.)	1	442	\$442
44	Learning Studio	1	22	Operable Parts	Other		Forward reach if obstruction > 20"- 25" deep is > 44" high	57", 53"	Ensure that the controls for the paper towel dispenser and the soap dispenser are not higher than 44" above the finished floor.	2	256	\$512
45	Math and Literacy	1	28	Operable Parts	Other		Side reach if obstruction > 24" deep is > 46" high	50" high 32" deep	Ensure that control of the paper towel dispenser is not located any deeper than 24" and any higher than 46" above the finished floor. Relocate file cabinet.	1	Labor 256	\$256






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Dining or Work Surfaces												
46	Library Media Center Computer Terminal	1	1	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	8" deep	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
47	Grade 4 Classroom	1	12	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	23.5"	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
48	Grade 3 Classroom	1	25	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	21" wide	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
49	Grade 2 Classroom	1	26	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
50	Grade 1 Classroom	1	27	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
51	Special Room	1	31	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	-	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
52	Special Room	1	33	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	18" wide	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
53	Grade 5 Classroom	1	8	Dining or Work Surfaces	Work Surface		Knee or toe clearance not provided	18.5" wide	Provide at least 1 work surface with 24" min. high knee and toe clearance that has 30" min. clear width.	1	200	\$200
Assembly Area												
54	Music Room	1	18	Assembly Area	N/A		Minimum # wheelchair spaces not provided	-	Provide integrated wheelchair spaces in the bleachers based on ADA 2010 Standards 221.2.1.1.	1	-	\$0
55	Special Room	1	33	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	1214	\$1214






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Picnic Tables												
56	Courtyard Picnic Area	Ext.		Picnic Tables	N/A		Toe or knee clearance at tables not provided Picnic table not on an accessible route	- -	Provide at least one picnic table has toe and knee clearance. Ensure that the picnic table is connected to an accessible route. (Cost estimate for a 50' long by 4' wide stone dust route and an accessible picnic table.)	1	3000	\$3000
57	Picnic Tables by New Playground	Ext.		Picnic Tables	N/A		Toe or knee clearance at tables not provided Picnic table not on an accessible route	- -	Provide one accessible picnic table in this area and provide an accessible route to it. (Cost estimate for an accessible picnic table and a 30' long by 4' wide asphalt route to it).	1	2600	\$2600
58	Chess Picnic Table by the New Playground	Ext.		Picnic Tables	N/A		Picnic table not on an accessible route	- -	Provide an accessible route to one picnic table in this area. (Cost estimate for a 6' long by 4' wide asphalt route.)	1	240	\$240
Exterior Benches												
59	Soccer Field Bench	Ext.		Exterior Benches			No accessible route to one bench in area		Locate one bench in this area on an accessible route.	1	Labor	\$0
60	Bench by the New Playground	Ext.		Exterior Benches	N/A		No accessible route to one bench in area		Provide an accessible route to one bench in this area. (Cost estimate for a 30' long, 4' wide asphalt route.)	1	1200	\$1200



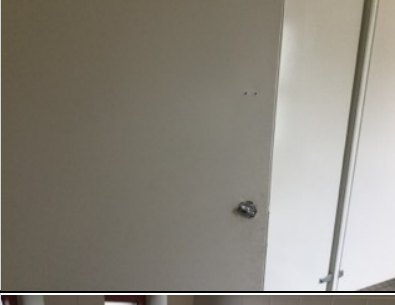


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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
61	Benches in Front of Cafeteria	Ext.		Exterior Benches	N/A		No accessible route to one bench in area	-	Provide an accessible route to one bench. (Cost estimate for a 6' long 4' wide stone dust walkway.)	1	192	\$192
Toilet & Bathing Rooms												
Overall Access												
62	Girls' Toilet Room by Room 27	1		Overall Access	Toilet Room		6 fixtures, but no ambulatory compartment provided	-	Provide one ambulatory accessible compartment.	1	3012	\$3012
63	Girls' Toilet Room by the Gym	1		Overall Access	Toilet Room		6 fixtures, but no ambulatory compartment provided	-	Provide one ambulatory accessible compartment.	1	3012	\$3012
64	Girls' Toilet Room Near Classroom 8	1		Overall Access	Toilet Room		6 fixtures, but no ambulatory compartment provided	-	Provide one ambulatory accessible compartment.	1	3012	\$3012
Lavatory												
65	Health Office Toilet Room	1		Lavatory	N/A		Toe or knee clearances not provided Plumbing underneath is exposed	24" -	Provide at least one lavatory with 27" knee and toe clearance positioned for a forward approach. Insulate or otherwise configure pipes to prevent contact at lavatory.	1	1778	\$1778


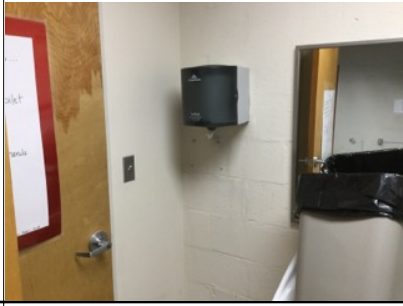



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66	Girls' and Boys' Toilet Rooms by the Gym	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact for at least one lavatory at the high lavatory.	2	92	\$184
67	Boys' Toilet Room Near Classroom 8	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact for at least one lavatory (the high lavatory).	1	92	\$92
68	Girls' Toilet Room Near Classroom 8	1		Lavatory	N/A		Plumbing underneath is exposed	-	Insulate or otherwise configure pipes to prevent contact for at least one lavatory (the high lavatory).	1	92	\$92
Single-User Toilet												
69	Health Office Toilet Room	1		Single-User Toilet	N/A		Centerline < or > 18" (MAAB) Side or rear grab bar < 33" or > 36" high Toilet paper dispenser is not compliant	20.5" 30.5" -	Relocate toilet so that the centerline is 18" from the side wall. Mount grab bars 33"- 36" above the floor. Relocate toilet paper so that it is 24" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet. Ensure it is not mounted over the grab bars.	1	3973	\$3973
Toilet Compartment												
70	Girls' Toilet Room by the Gym	1		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware Door has malfunctioning self-closing hinge	- -	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Repair hinge.	1	70 Labor	\$70





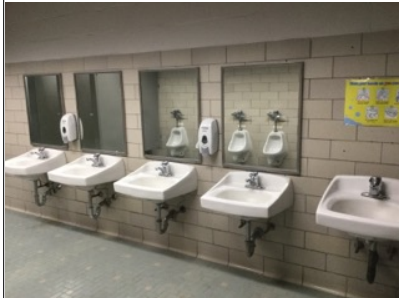
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71	Boys' Toilet Room by the Gym	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge		Repair hinge.	1	Labor	\$0
72	Girls' Toilet Room Near Classroom 8	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
73	Boys' Toilet Room Near Classroom 8	1		Toilet Compartment	Accessible Compartment		Door has malfunctioning self-closing hinge	-	Repair hinge.	1	Labor	\$0
74	Girls' Toilet Room Near Classroom 8	1		Toilet Compartment	Accessible Compartment		Flush control not on open side	-	Provide the flush control on the open side of the toilet (transfer side).	1	374	\$374
75	Girls' Toilet Room by the Gym	1		Toilet Compartment	Accessible Compartment		Flush control not on open side Non-compliant toilet paper dispenser	- -	Provide the flush control on the open side of the toilet (transfer side). Relocate toilet paper so that it is 24" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet.	1	630	\$630


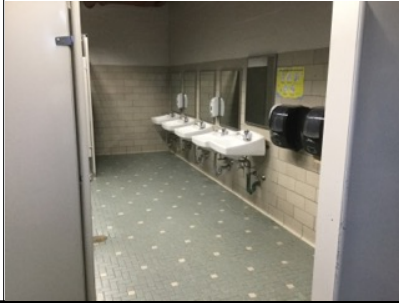

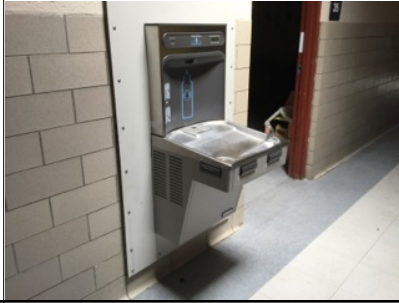

**Town of Sudbury
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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
76	Boys' Toilet Room by the Gym	1		Toilet Compartment	Accessible Compartment		Non-compliant toilet paper dispenser		Relocate toilet paper so that it is 24" min. high, located under the grab bar, and between 7" and 9" from the front of the toilet.	1	256	\$256
Dispensers												
77	Health Office	1		Dispensers	Paper Towel Dispenser		Controls > 42" high Dispenser acts as a protruding object	54.5" -	Relocate paper towel dispenser so the operable part is 42" max. above the finished floor. Relocate dispenser out of the circulation path.	1	256	\$256
78	Boys' and Girls' Toilet Rooms by Room 27	1		Dispensers	Paper Towel Dispenser		Dispenser acts as a protruding object	-	Relocate paper towel dispensers out of the circulation path.	4	353	\$1412
79	Girls' Toilet Room Near Classroom 8	1		Dispensers	Paper Towel Dispenser		Dispenser acts as a protruding object	10"	Relocate higher paper towel dispenser out of the circulation path. Alternatively, lower it so that the bottom edge is at 27" max.	1	256	\$256
80	Boys' Toilet Room Near Classroom 8	1		Dispensers	Paper Towel Dispenser		Dispenser acts as a protruding object	-	Relocate dispensers out of the circulation path. Alternatively, lower them so that the bottom edge is at 27" max.	2	256	\$512
Toilet Rooms for Children												






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Single-User Toilet (Children)												
81	Kindergarten Toilet Room	1		Single-User Toilet (Children)	N/A		Toilet seat < 12" or > 15" high (K - 3) Side or rear grab bar < 42" long Non-compliant toilet paper dispenser	10.5" 0 -	Install a toilet with a seat between 12"- 15" high above the finished floor. Provide a rear wall grab bar that is 42" long located 6" max. from the interior corner. Relocate toilet paper dispenser 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	3417	\$3417
Toilet Compartment (Children)												
82	Boys' Toilet Room by Room 27	1		Toilet Compartment (Children)	Accessible Compartment		Door with non-compliant hardware Coat hook not within reach range	- 51"	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Lower hook so that it is no higher than 44" for children ages 9-12.	1	220	\$220
83	Boys' Toilet Room by Room 27	1		Toilet Compartment (Children)	Accessible Compartment		Side or rear grab bar < 25" or > 27" high (Ages 9 - 12) Non-compliant toilet paper dispenser	32.5" 30" -	Relocate both grab bars to 25"- 27" above the floor. Relocate toilet paper dispenser 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	768	\$768
84	Girls' Toilet Room by Room 27	1		Toilet Compartment (Children)	Accessible Compartment		Non-compliant toilet paper dispenser Clearance at toilet < 60" clear width	- -	Relocate toilet paper dispenser 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. Remove desk.	1	353	\$353
Lavatory (Children)												
85	Boys' Toilet Room by Room 27	1		Lavatory (Children)	N/A		Toe or knee clearances not provided Exposed plumbing underneath Mirror above lavatory w/reflective surface > 31"	23" - 35"	Provide at least one lavatory with 25" min. knee clearance positioned for a forward approach. Ensure toe clearance is also provided. 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	2034	\$2034






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
86	Kindergarten Toilet Room	1		Lavatory (Children)	N/A		Exposed plumbing underneath		Insulate or otherwise configure pipes to prevent contact at lavatory.	1	92	\$92
87	Girls' Toilet Room by Room 27	1		Lavatory (Children)	N/A		Exposed plumbing underneath Mirror above lavatory w/reflective surface > 31"	- 35"	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	348	\$348
Urinal (Children)												
88	Boys' Toilet Room by Room 27	1		Urinal (Children)	N/A		Rim > 15" high (MAAB)	18"	Provide at least one urinal with the rim no higher than 15" above the finished floor.	1	3248	\$3248
Additional Access												
Drinking Fountains												
89	Drinking Fountain Next to Boys' Toilet Room by Room 27	1		Drinking Fountains	Low		No drinking fountain provided for standing users		Provide an additional drinking fountain for standing users.	1	4028	\$4028
90	Fountain Next to Gym	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	4028	\$4028






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
91	Drinking Fountain Between Toilet Rooms Near Classroom 8	1		Drinking Fountains	Low		No drinking fountain provided for standing users		Provide an additional drinking fountain for standing users.	1	4028	\$4028
92	Fountain Next to Cafeteria	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	4028	\$4028
93	Drinking Fountain by Kitchen Area	1		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Install a Hi-Lo drinking fountain.	1	4216	\$4216
94	Drinking Fountain at Playground	Ext.		Drinking Fountains	Low		No drinking fountain provided for standing users	-	Provide an additional drinking fountain for standing users.	1	4028	\$4028
Sink												
95	Health Office	1		Sink	Other		Exposed plumbing underneath sink	-	Insulate or otherwise configure pipes at sink.	1	92	\$92






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Sinks for Children's Use												
96	Kindergarten Classroom	1		Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
97	Grade 4 Classroom	1	12	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
98	Art Room	1	13	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
99	Learning Center	1	21	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
100	Learning Studio	1	22	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764






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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
101	Grade 3 Classroom	1	25	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
102	Grade 2 Classroom	1	26	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact, for at least one sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
103	Grade 1 Classroom	1	27	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
104	Math and Literacy	1	28	Sinks for Children's Use	Other		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact, for at least one sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
105	Special Room	1	31	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. . Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764


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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
106	Classroom	1	32	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact, for at least one sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
107	Special Room	1	33	Sinks for Children's Use	Other		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact at the sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
108	Grade 5 Classroom	1	8	Sinks for Children's Use	Classroom		Non-compliant or malfunctioning faucet Exposed plumbing underneath Knee or toe clearance not provided	- - -	Provide a faucet that can be operable with one hand and not require tight grasping, pinching or twisting of the wrist for at least one sink. Insulate or otherwise configure pipes to prevent contact, for at least one sink. Provide at least one sink with 24" high knee and toe clearance positioned for a forward approach.	1	2764	\$2764
Play and Sport Areas												
Field												
109	Soccer Field	Ext.		Field	Soccer		Field not connected to an accessible route	-	Provide an accessible route to the field. (Cost estimate for 30' long by 4' wide stone dust walkway.)	1	960	\$960
Overall Review												
110	New Playground	Ext.							Note: Playground was under construction and could not be surveyed.	1	-	\$0

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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Best Practice												
111	Cafeteria, Accessible Table	1							This is a good example of a table with knee and toe clearance.	1	-	\$0
112	Stage Steps	1						-	Recommend providing handrails on each side.	1	-	\$0
113	Principal's Office	1							Recommend providing signs with raised characters and braille at permanent rooms where no sign is present.	1	-	\$0
114	Playground	Ext.							Recommend providing a 10" high solid surface (kickplate) on the push side of the gate.	1	-	\$0
115	Chess Picnic Table by the New Playground	Ext.						-	Recommend providing a 48" wide accessible route around the accessible picnic table.	1	-	\$0

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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
116	Benches in Front of Cafeteria	Ext.						-	Recommend providing a 36" x 48" space alongside one bench positioned so that a person using a wheelchair can sit shoulder to shoulder with someone seated on the bench. Recommend providing a variety of benches, including benches with backs and armrests.	1	-	\$0