

Goodnow Library



Town of Sudbury ADA Transition Plan

November 2020



Institute for Human Centered Design

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Background

Year Built: 1862 Year Renovated: 1998

The Goodnow Library, located at 21 Concord Road, is on the National Register of Historic Places and was the second free library that was opened in Massachusetts. The library has one main accessible entrance and egress.

Connected by an elevator and stairs, the library has public areas on the first and second floor. The first floor contains the circulation desk, a community meeting room, a large-print book area, a storytelling room, multi-user men’s and women’s toilet rooms, an all-gender toilet room, a children’s area, drinking fountains and an exterior reading court. The second floor contains a reference area, a coffee station, a computer and technology area, quiet study rooms, a teen area, a reading room, a conference room, the Sara Sherman Now Lab, a study carrel area, the local history trustees room, a newspaper search station, drinking fountains and two all-gender toilet rooms.

Parking for the building is provided in a large parking lot west of the library that contains six accessible parking spaces.

Key Accessibility Issues

Curb Ramp

A curb ramp is not provided to the walkway in front of the building.

Parking Lot

Accessibility issues include a lack of identification signage with the International Symbol of Accessibility (ISA) at two spaces, and a van accessible sign is located at a space that is not large enough to be van accessible.

Signage

Some designation and egress signage lacks braille and raised characters. In addition, an illuminated sign with the International Symbol of Accessibility (ISA) is not provided at the accessible entrance, and directional signs indicating the location of the nearest accessible emergency exit are not provided at the inaccessible exit doors on the first floor.

Doors

The door to the conference room lacks maneuvering clearance on the pull side.

Work and Dining Surfaces

Accessible work surfaces are not provided in six areas of the library. An accessible picnic table is not provided in the reading court.

Toilet Rooms

Accessibility issues within toilet rooms include a lavatory in the children’s toilet room that is lacking required knee and toe clearance; malfunctioning self-closing hinges at wheelchair accessible toilet compartments; and mirrors, urinal flush controls, coat hooks and dispensers that are located higher than allowed.

Drinking Fountains

Accessibility issues include lack of a drinking fountain for standing users in the main library and the children’s library on the first floor, and lack of a cane-detectable barrier skirt on the drinking fountain for standing users on the second floor.

Sink

The sink in the Sara Sherman Now Lab is lacking toe and knee clearance.

Additional Accessibility Issues

- An accessible route is not provided to the bike rack.
- Stanchions by the front entrance are not cane-detectable.
- Defibrillators act as protruding objects.
- Coat hooks, a door bell, clothing racks and a ballot box have operable parts that are beyond reach range.

Order of Magnitude Cost Estimates

- Provide a curb ramp by the front of the building: \$2,800
- Provide signage at all accessible parking spaces: \$1,000
- Provide compliant egress and designation signage: \$1,824
- Provide an automatic door opener to the conference room: \$3,060
- Provide six accessible work surfaces: \$4,200
- Provide one accessible picnic table in the reading court: \$1,400
- Renovate toilet rooms: \$4,231
- Provide two standing height drinking fountains and one cane detectable barrier skirt at one standing height drinking fountain: \$8,946
- Renovate sink in Sara Sherman Now Lab: \$1,686
- Miscellaneous corrective actions (cane-detectable stanchions, exterior accessible route, protruding objects, operable parts, coat hooks, etc.): \$2,340





Total: \$31,487

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 height podium in the community meeting room.
- Recommend providing contrast strips on stair treads.
- Recommend providing a large visual sign at the entrance to the children's library.


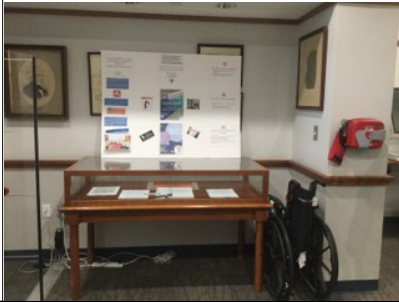



**Town of Sudbury
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|---|-------------------------|-------|------|----------------------------------|----------|--|----------------------------------|-----------------|---|----------|-------|-----------------|
| Approach and Entrance | | | | | | | | | | | | |
| Exterior Access Route | | | | | | | | | | | | |
| 1 | Main Entrance Walkway | Ext. | | Exterior Access Route | Walkway |  | Obstructed by protruding objects | - | Provide cane-detectable stanchions with a lower stanchion belt that is cane-detectable, located lower than 27" above the ground. (Cost estimate for 10 stanchions.) | 1 | 870 | \$870 |
| 2 | Main Entrance Bike Rack | Ext. | | Exterior Access Route | Exterior |  | Accessible route not provided | - | Ensure an accessible route is provided. (Cost estimate for a 6' long, 4' wide asphalt route.) | 1 | 240 | \$240 |
| Curb Ramp | | | | | | | | | | | | |
| 3 | Front of Building | Ext. | | Curb Ramp | N/A |  | Curb ramp not provided | - | Provide a curb ramp at intersection. (Cost estimate for a concrete curb ramp.) | 1 | 2800 | \$2800 |
| Off-Street Parking Lot or Garage | | | | | | | | | | | | |
| 4 | Parking - Side Aisle | Ext. | | Off-Street Parking Lot or Garage | Visitor |  | Van space < 132" or <96" wide | 117" | Space with van accessible signage is not large enough to be a van accessible parking space. Relocate sign to accessible parking space in center aisle with the 81" wide access aisle. | 1 | Labor | \$0 |



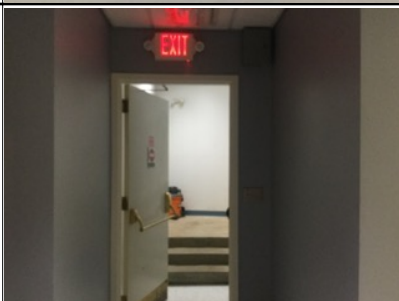


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| 5 | Parking - Center Aisle | Ext. | | Off-Street Parking Lot or Garage | Visitor |  | Sign not provided Sign bottom < 60" above finished grade | 2 46.5" | Provide two additional accessible parking signs with the bottom of the sign 60" min. above the ground and the top 96" max. above the ground. Relocate existing two signs so that the bottom of the sign is 60" min. above the ground. | 2 | 500 Labor | \$1000 |
| Entrance | | | | | | | | | | | | |
| 6 | Main Entrance | 1 | | Entrance | Main Entrance |  | Mat not securely attached | - | Secure the mat. | 1 | Labor | \$0 |
| Emergency Exit | | | | | | | | | | | | |
| 7 | Egress Door 2 on Northeast Side | 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 |
| 8 | Stairs by Children's Reading Room | 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 |
| 9 | Main Entrance | 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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| 10 | Reading Court | 1 | | Emergency Exit | N/A |  | Mat not securely attached | - | Secure the mat. | 1 | Labor | \$0 |
| Access to Goods and Services | | | | | | | | | | | | |
| Interior Access Route | | | | | | | | | | | | |
| 11 | Main Library Entrance Gallery | 1 | | Interior Access Route | N/A |  | Obstructed by protruding objects | 5" | Relocate the defibrillator out of the circulation path. | 1 | 256 | \$256 |
| 12 | Main Library Entrance Gallery | 1 | | Interior Access Route | N/A |  | Obstructed by protruding objects | 10" | Relocate the defibrillator out of the circulation path. | 1 | 256 | \$256 |
| 13 | Children's Reading Room | 1 | | Interior Access Route | N/A |  | Surface not stable, firm, and slip-resistant | - | Secure the mat. | 1 | Labor | \$0 |
| Doors, Doorways, & Gates | | | | | | | | | | | | |
| 14 | Conference Room | 2 | | Doors, Doorways, & Gates | |  | Maneuvering clearance not provided at recess > 6" | - | Install an automatic door opener. | 1 | 3060 | \$3060 |






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| Signage | | | | | | | | | | | | |
| 15 | Children's Library Entrance | 1 | | Signage | Designation |  | Raised characters not provided on sign Braille not provided on sign | - - | Provide text with raised characters duplicated in braille on sign. Ensure that a clear floor space of 18" by 18" is centered on the tactile characters. | 1 | 232 | \$232 |
| 16 | Children's Reading Room | 1 | | Signage | Designation |  | Raised characters not provided on sign Braille not provided on sign | - - | Provide text with raised characters duplicated in braille on sign. | 1 | 232 | \$232 |
| 17 | Egress to Stairs Near Restrooms | 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 |
| 18 | Quiet Study Rooms | 2 | | Signage | Designation |  | Signage lacks clear floor space | | Relocate the table to ensure that a clear floor space of 18" by 18" is centered on the tactile characters. | 1 | Labor | \$0 |
| Operable Parts | | | | | | | | | | | | |
| 19 | Main Entrance Door Bell | 1 | | Operable Parts | Other |  | Reach < 15" or > 48"(forward/side approach) | 57" | Relocate door bell at 48" max. above the ground. | 1 | 138 | \$138 |






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| 20 | Main Entrance to Community Meeting Room | 1 | | Operable Parts | Other |  | Reach < 15" or > 48"(forward/side approach) | 65" | Ensure that one of each type of form is available no higher than 48" above the finished floor. | 1 | Labor | \$0 |
| 21 | Community Meeting Room | 1 | | Operable Parts | Clothes Rod/Hooks |  | Reach < 15" or > 48"(forward/side approach) | 62" | Provide a clothing rack that is located no higher than 48" above the finished floor. | 1 | 92 | \$92 |
| 22 | Children's Reading Room | 1 | | Operable Parts | Clothes Rod/Hooks |  | Reach < 15" or > 48"(forward/side approach) | 69" | Relocate one hook to be 48" max. above the finished floor. | 1 | 256 | \$256 |
| 23 | Conference Room | 2 | | Operable Parts | Clothes Rod/Hooks |  | Reach < 15" or > 48"(forward/side approach) | 60" | Provide a clothing rack that is located no higher than 48" above the finished floor. | 1 | 92 | \$92 |
| 24 | Main Entrance Ballot Box | Ext. | | Operable Parts | Other |  | Reach < 15" or > 48"(forward/side approach) | 53.25" | As the ballot box is out of reach range, ensure there are policies in place to assist voters with disabilities. | 1 | Policy | \$0 |






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| Children's Reach Ranges | | | | | | | | | | | | |
| 25 | Children's Library Seating Area | 1 | | Children's Reach Ranges | N/A |  | 30" x 48" clear space not provided Reach < 20" or > 36" (Ages 3 - 4) Reach < 18" or > 40" (Ages 5 - 8) Reach < 16" or > 44" (Ages 9 - 12) | - 66" | Provide a 30" min. by 48" min. clear floor space at coat hook. Relocate bin. If used by children 3-4 years old, locate one hook 36" max. above the finished floor. If used by children 5-8 years old, locate one hook 40" max. above the finished floor. If used by children 9-12 years old, locate one hook 44" max. above the finished floor. | 1 | 70 Labor | \$70 |
| 26 | Children's Library Near Program Room Storytelling | 1 | | Children's Reach Ranges | N/A |  | 30" x 48" clear space not provided Reach < 20" or > 36" (Ages 3 - 4) Reach < 18" or > 40" (Ages 5 - 8) Reach < 16" or > 44" (Ages 9 - 12) | - 66" | Locate one hook with a 30" by 48" clear floor space. If used by children 3-4 years old, locate one hook 36" max. above the finished floor. If used by children 5-8 years old, locate one hook 40" max. above the finished floor. If used by children 9-12 years old, locate one hook 44" max. above the finished floor. | 1 | 70 | \$70 |
| Dining or Work Surfaces | | | | | | | | | | | | |
| 27 | Reading Area - Front of Building | 2 | | 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 and toe clearance. | 1 | 700 | \$700 |
| 28 | Sara Sherman Now Lab | 2 | | 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" | - - 36.3" | Provide at least one work surface with top between 28"- 34" above the floor and 27" clear height underneath. | 1 | 700 | \$700 |
| 29 | Main Library Near Children's Library Entrance (New Books) | 1 | | Dining or Work Surfaces | Work Surface |  | Knee or toe clearance not provided | - | Table lacks toe clearance. Provide at least work surface with toe clearance in this area. | 1 | 700 | \$700 |





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| 30 | Desktop Near Shelves | 2 | | 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 | 700 | \$700 |
| 31 | Main Library New Book Area Near Open Stair | | | Dining or Work Surfaces | Work Surface |  | Top of dining/work surface < 28" or > 34" | 36.5" | Provide at least one work surface in this area with the top between 28"- 34" above the floor and 27" clear height underneath. | 1 | 700 | \$700 |
| 32 | Computer Near Large Print Books - Main Library | 1 | | Dining or Work Surfaces | Work Surface |  | Top of dining/work surface < 28" or > 34" | 36.5" | Provide at least work surface with top between 28"- 34" above the floor and 27" clear height underneath. | 1 | 700 | \$700 |
| Picnic Tables | | | | | | | | | | | | |
| 33 | Reading Court | Ext. | | Picnic Tables | N/A |  | At least 5% accessible spaces not provided 30" clear width not provided Toe or knee clearance at tables not provided | - 15.5" - | Provide at least 1 accessible dining surface with a 30" wide by 48" deep clear floor space. Ensure the surface has the required toe and knee clearance. | 1 | 1400 | \$1400 |
| Toilet & Bathing Rooms | | | | | | | | | | | | |
| Lavatory | | | | | | | | | | | | |
| 34 | All-Gender Toilet Room East of Drinking Fountain | 2 | | Lavatory | N/A |  | Mirror above lavatory w/reflective surface > 40" | 44" | Lower mirror so that the bottom surface is at 40" max. above the finished floor. | 1 | 256 | \$256 |





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| Single-User Toilet | | | | | | | | | | | | |
| 35 | All-Gender Toilet Room - Children's Library | 1 | | Single-User Toilet | N/A |  | Hook located > 48" high | 67" | Locate hook no higher than 48" above the finished floor. | 1 | 150 | \$150 |
| 36 | All-Gender Toilet Room East of Drinking Fountain | 2 | | Single-User Toilet | N/A |  | Hook located > 48" high | 69" | Locate hook no higher than 48" above the finished floor. | 1 | 150 | \$150 |
| Toilet Compartment | | | | | | | | | | | | |
| 37 | Women's Toilet Room | 1 | | Toilet Compartment | Accessible Compartment |  | Door has malfunctioning self-closing hinge Coat hook > 48" | - 60" | Repair hinge. Lower coat hook so that it is no higher than 48". | 1 | Labor 150 | \$150 |
| 38 | Men's Toilet Room | 1 | | Toilet Compartment | Accessible Compartment |  | Door has malfunctioning self-closing hinge Coat hook > 48" | - 58" | Repair hinge. Lower coat hook so that it is no higher than 48". | 1 | Labor 150 | \$150 |
| Urinal | | | | | | | | | | | | |
| 39 | Men's Toilet Room | 1 | | Urinal | N/A |  | Flush control too high or not properly located | 46" | Mount flush control at 44" max. above the finished floor. | 1 | 374 | \$374 |





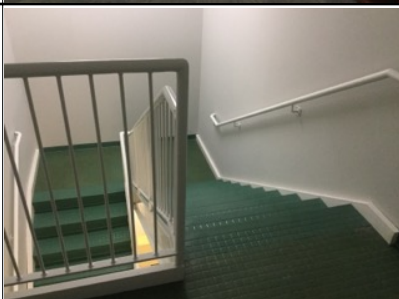
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| Dispensers | | | | | | | | | | | | |
| 40 | Women's Toilet Room | 1 | | Dispensers | Paper Towel Dispenser |  | Controls > 42" high | 56" | Relocate the paper towel dispenser so the operable part is 42" max. above the finished floor. | 1 | 353 | \$353 |
| 41 | Men's Toilet Room | 1 | | Dispensers | Paper Towel Dispenser |  | Controls > 42" high | 55" | Relocate the paper towel dispenser so the operable part is 42" max. above the finished floor. | 1 | 353 | \$353 |
| 42 | All-Gender Toilet Room East of Drinking Fountain | 2 | | Dispensers | Paper Towel Dispenser |  | Controls > 42" high | 54.5" | Relocate paper towel dispenser so the operable part is 42" max. above the finished floor. | 1 | 353 | \$353 |
| Toilet Rooms for Children | | | | | | | | | | | | |
| Lavatory (Children) | | | | | | | | | | | | |
| 43 | All-Gender Toilet Room - Children's Library | 1 | | Lavatory (Children) | |  | Toe or knee clearances not provided Mirror above lavatory w/reflective surface > 31" | 23.75" 37.25" | Provide at least one lavatory with 25" min. knee clearance positioned for a forward approach. Ensure toe clearance is also provided. Lower mirror so that the bottom surface is at 31" above finished floor. | 1 | 1942 | \$1942 |
| Additional Access | | | | | | | | | | | | |



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| Drinking Fountains | | | | | | | | | | | | |
| 44 | Fountain Near Toilet Rooms | 1 | | Drinking Fountains | Low |  | No drinking fountain provided for standing users | - | Provide an additional drinking fountain for standing users. | 1 | 4028 | \$4028 |
| 45 | Fountain Near Toilet Room in Children's Library | 1 | | Drinking Fountains | Low |  | No drinking fountain provided for standing users | - | Provide an additional drinking fountain for standing users. | 1 | 4028 | \$4028 |
| 46 | Fountain Near All-Gender Toilet Rooms | 2 | | Drinking Fountains | Hi-Lo |  | Standing height fountain does not have cane protection | 13" | Provide a cane-detectable barrier skirt under the high unit. | 1 | 890 | \$890 |
| Sink | | | | | | | | | | | | |
| 47 | Sara Sherman Now Lab | 2 | | Sink | Lab |  | Toe and knee clearances not provided | - | Ensure there is a 27" knee clearance positioned for a forward approach. Brace sink and remove cabinet. | 1 | 1686 | \$1686 |
| Best Practice | | | | | | | | | | | | |

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| 48 | Community Meeting Room | 1 | | | |  | | | This is a good example of signage for an assistive listening system. | 1 | - | \$0 |
| 49 | Community Meeting Room | 1 | | | |  | | | Recommend providing an adjustable height podium. | 1 | - | \$0 |
| 50 | Egress to Stairs Near Restrooms | 1 | | | |  | | | Recommend providing contrast strips on stair treads. | 1 | - | \$0 |
| 51 | Children's Library Entrance | 1 | | | |  | | | Recommend providing a large visual sign at the entrance to the children's library. | 1 | - | \$0 |
| 52 | Stairs by Children's Reading Room | 2 | | | |  | | | Recommend providing contrast strips on stair treads. | 1 | - | \$0 |

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| 53 | Conference Room | 2 | | | |  | | | Recommend providing a designation sign with raised characters and braille at the engineering conference room. | 1 | - | \$0 |
| 54 | Stair by Front of Library on Southeast Side | Ext. | | | |  | | | Recommend providing contrast strips on stair treads. | 1 | - | \$0 |