

Willis Lake Access



Town of Sudbury ADA Transition Plan

September 2020



Institute for Human Centered Design

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Background

Willis Lake Access is located at the north end of Lake Shore Drive adjacent to Sudbury State Forest and Assabet National Wildlife Sanctuary. Amenities include a small parking area, a dock and boat launch, picnic tables, a wayside, a path ascending to a sitting area and a memorial for Lt. Scott Milley who died while serving in Afghanistan. Typical activities include fishing, boating, picnicking and sunbathing.

Key Accessibility Issues

Parking

Accessibility issues include lack of a van accessible parking space with a marked access aisle, identification sign with the International Symbol of Accessibility (ISA), and a sign with the designation "Van Accessible". (See Figure 1 for a recommendation for marking the space and access aisle in an unpaved lot.)

Exterior Accessible Routes

Accessibility issues include lack of an accessible route to the Lt. Scott Milley memorial.

Additional Accessibility Issues

- Lack of an accessible picnic table at the picnic area by the dock.
- Lack of clear floor space at the wayside due to the location of a picnic table.

Order of Magnitude Cost Estimates

- Provide one (1) van accessible parking space: \$1,850
- Miscellaneous corrective actions (accessible picnic table, etc.): \$1,560

Total: \$3,410*

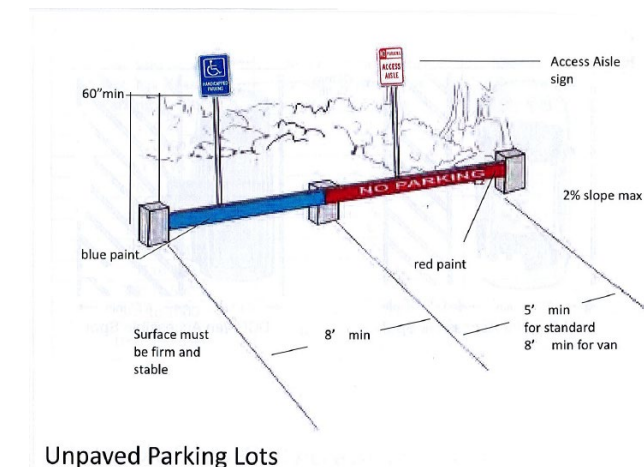
***Note:** Providing an accessible route to the Lt. Scott Milley memorial may be technically infeasible, so costs for an accessible route to the memorial are not provided.

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 providing a sign indicating the location of Willis Lake Access at the intersection of Lake Shore Drive and Elmwood Avenue.
- Recommend providing a 48" wide min. stable, firm and slip resistant surface such as stone dust under and around an accessible picnic table once an accessible picnic table is placed in the picnic area by the dock.
- Since providing an accessible route to the memorial may be technically infeasible, IHCD recommends including some photos and descriptions of the memorial at the wayside by the beach so individuals who are unable to access the memorial can see images of the memorial and learn about Lt. Milley.
- Recommend providing an accessible portable toilet on an accessible route at the beach level.





Figure 1: Based on Department of Conservation and Recreation (DCR) Pocket Guide. Suggested method of designating an accessible parking space and access aisle in an unpaved parking lot.



**Town of Sudbury
Willis Lake Access**

| ID | Location | Floor | Room | Element | Type | Photo | Issues | Current Measure | Recommendations | Quantity | Price | Cost Estimation |
|---|-----------------------------------|-------|------|----------------------------------|----------|--|---|----------------------------|---|----------|-------|-----------------|
| Approach and Entrance | | | | | | | | | | | | |
| Exterior Access Route | | | | | | | | | | | | |
| 1 | Wayside Near Picnic Area and Dock | Ext. | | Exterior Access Route | Exterior |  | Not provided from all site arrival points | - | Ensure an accessible route is provided to the wayside.(Relocate picnic table so it does not obstruct access to the clear floor space at the wayside.) | 1 | Labor | \$0 |
| 2 | Path to Memorial | Ext. | | Exterior Access Route | Walkway |  | Running slope > 1:20 (5%) | 16.4% | Reduce running slope to be no steeper than 1:20 (5%). (Reducing running slope on path to memorial may be technically infeasible.) | 1 | - | \$0 |
| 3 | Near Memorial and Exterior Stairs | Ext. | | Exterior Access Route | Sidewalk |  | Level changes > 1/4" | 1.5" | Alter change in level to be 1/4" high max. (Cost based on a 4'x4' asphalt patch.) | 1 | 160 | \$160 |
| 4 | Dock | Ext. | | Exterior Access Route | Exterior |  | Level changes > 1/4" | 1" | Alter change in level to be 1/4" high max. | 1 | Labor | \$0 |
| Off-Street Parking Lot or Garage | | | | | | | | | | | | |
| 5 | Parking Area Near Dock | 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 not provided Sign not provided Sign does not have the designation "Van Accessible" | 5 - - - - - | Provide a compliant van accessible parking space with a marked access aisle 60" wide min. and no steeper than 1:48 (2.08%) in all directions. Provide a sign with the International Symbol of Accessibility (ISA) located 60" min. and 96" max. above the ground. Add the designation "Van Accessible" to the sign located at the van accessible space. | 1 | 1850 | \$1850 |

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| ID | Location | Floor | Room | Element | Type | Photo | Issues | Current Measure | Recommendations | Quantity | Price | Cost Estimation |
|-------------------------------------|---------------------|-------|------|---------------|------|--|---|-----------------|---|----------|-------|-----------------|
| Access to Goods and Services | | | | | | | | | | | | |
| Picnic Tables | | | | | | | | | | | | |
| 6 | Picnic Area by Dock | Ext. | | Picnic Tables | N/A |  | Toe or knee clearance at table not provided | - | Provide at least one picnic table with top between 28"- 34" above the ground and 27" clear height underneath. | 1 | 1400 | \$1400 |
| Best Practice | | | | | | | | | | | | |
| Memorial | | | | | | | | | | | | |
| 7 | Memorial | Ext. | | Memorial | N/A |  | | | Recommend, since providing an accessible route to the memorial may be technically infeasible, including some photos and descriptions of the memorial at the wayside by the beach so individuals who are unable to access the memorial can see and learn about it. | 1 | - | \$0 |
| Picnic Table | | | | | | | | | | | | |
| 8 | Picnic Area by Dock | Ext. | | icnic Table | N/A |  | | | Recommend providing a 48" wide min. stable, firm and slip resistant surface such as stone dust under and around an accessible picnic table once one is placed in the picnic area by the dock. | 1 | - | \$0 |
| Sign | | | | | | | | | | | | |
| 9 | Lake Shore Drive | Ext. | | Sign | N/A |  | | | Recommend providing a sign at the intersection of Lake Shore Drive and Elmwood Avenue directing visitors to Willis Lake Park. | 1 | - | \$0 |