

**Stowell Library building  
Shelving and Furniture Loss to ADA requirements**

1. A handicap entrance through 1 window into the children's room means the loss of:
  - one window;
  - one 52" shelving unit in front of window =  $52" * 3 \text{ shelves} = 156" = 13 \text{ linear feet}$ ;
  - one 44" \* 6 (shelves) unit beside the new door way =  $264" = 22 \text{ linear feet}$ ;
    - could be replaced with 30" wide unit \* 6 shelves =  $180" = 15 \text{ linear feet}$

**The loss of shelving due to adding an entrance door for the ramp into the children's room is 35 linear feet by removing the current shelving or 28 linear feet with installation of a narrower shelving unit.**

OR

2. A handicap entrance through 2 windows into the back room means the loss of:
  - two windows;
  - two 53" shelving units in front of those windows \* 3 shelves each =  $158.4" = 13.2 \text{ linear feet}$

**The loss of shelving due to adding an entrance door for the ramp in the back room would be about 13 linear feet.**

3. The ADA compliance requirement for the aisles between shelving units is 36" (3 feet).
  - The current spacing between the aisles is 32".
  - There is not enough space to reposition the shelving units so the aisles have the required spacing.
    - aisle #1, the aisle between the short row on the east side and the long row
    - aisle #2, the aisle between the two long rows
    - aisle #3, the aisle on the west side and the shelving under the windows;
  - Would need 4" more \* 3 aisles =  $12" = 1 \text{ foot of space}$

**At least one unit of double-width shelving will need to be replaced with a single width unit. This would be a loss of  $132" * 6 = 792" = 66 \text{ linear feet}$ .**

4. The ADA compliance requirement is 48" inches turning space at the end of each aisle.
  - Current spacing is 32".
    - Section 1 could be repositioned but a table and two chairs will be lost.
    - Section 2 would have to be shortened by  $16" * 2 \text{ ends} = 32"$ .
    - The loss of linear shelving would be  $2(32" * 6 \text{ shelves}) = 384" = 32 \text{ linear feet}$
    - Section 3 would have to be shortened by  $16" * 2 = 32"$ .
    - The loss of linear shelving would be  $2(6 \text{ shelves} * 32") = 384" = 32 \text{ linear feet}$

**The loss of shelving space for turning space 32 linear feet + 32 linear feet = 64 linear feet.**

5. To be ADA compliant:

- Interior doorways need to be 36" wide.
  - They are currently only 30 inches wide.
- Tables and chairs will have to have 40 inches of clear space around them.
  - The table in the children's room does not;
  - The chairs in the corners of the back room do not;
  - The circulation desk does not.
- Public computer stations need to have 36" of clear space on three sides.
  - The public computer station does not.

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