Cleveland Public Library

Main Library, Louis Stokes Wing
High-Density Mobile Shelving Project Update

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Photo by Catherine Young
Schedule

The Mobile Shelving Project is 100% on schedule and is approximately 50% completed.

• March 1, 2023: Project started
• January 16, 2024: Installation on LSW 7 is 98% completed
• January 17 – February 16, 2024: LSW 8 installation (projected)
• February 19 – November 1, 2024: LSW 9 installation (projected)
The CPL Board of Trustees approved a budget of $6,057,792.50 and a contingency fund of $605,779 on December 16, 2021.

- Invoiced through 12/31/2023: $3,090,116.53
- Remaining: $2,906,882.86 (48%)
- Change Orders 1-12 resulted in a net increase of $112,863.20 (1.9% of project budget)
Change Orders

Largest *Decreases* to Original Contract Amount:

- Change Order 12: ($153,029.80) credit for 8,672 re-used metal shelves
- Change Order 5: ($51,540.00) credit for changing touch-screen controller to push-button due to shortage of computer chips

Largest *Increases* to Original Contract Amount:

- Change Order 7: $247,802.00 for adding integral LED lights to existing mobile shelving on LSW 8 to update fluorescent fixtures and correct 30 aisles/areas with no direct lighting due to original lighting design flaw. (Comparison: Feghali Brothers' winning ceiling work bid 9/22/2022 ("Option 1") to convert existing ceiling fixtures to LED was $325,000 and did *not* include re-engineering lighting on LSW 8 to correct 30 dark aisles/areas.)
- Change Order 9: $59,072.00 for additional custom map cabinets for increased collection capacity, as requested by the Manager of the Center for Local & Global History
Shelving Capacity – The Numbers

**Before**
- LSW 7: 28,329 linear feet (5.4 miles)
- LSW 8: 35,274 linear feet (6.7 miles)*
- LSW 9: 15,123 linear feet (2.9 miles)

**TOTAL LSW 7-9: 78,726 linear feet (14.9 miles)**
- About 882,000 volume capacity (@ 11.2015 books/foot)

**TOTAL OFFSITE STORAGE: 74,715 linear feet (14.2 miles)**

**GRAND TOTAL CAPACITY (LSW 7-9 AND Offsite Storage): 153,441 linear feet (29.1 miles)**

*LSW 8 had existing mobile shelving since 1997 except in NE & SE corner areas. The overall increase on LSW 8 (NE & SE areas) is projected to be 3,818 linear feet or .85 linear miles, which is enough capacity for about 40,000 volumes.

**After**
- LSW 7: 63,958 linear feet (12.11 miles)**
- LSW 8: 39,092 linear feet (7.4 miles)*
- LSW 9: 75,744 linear feet (14.35 miles)**

**TOTAL INCREASED CAPACITY LSW 7-9:**
- +100,068 linear feet (+19 miles)
- Increased capacity of about 1,121,000 volumes

**GRAND TOTAL CAPACITY (LSW 7-9): 178,794 linear feet (33.86 miles; capacity for about 2 million vols +/-)**

**Figures do not include folio shelves to be added to LSW 7 (+1,300 shelves) and LSW 9 (+338 shelves), nor do they include cabinets (map, filing, fiche) that were moved to LSW 7.**

Note: "After" figures corrected through 12/14/2023 & subject to minor changes.
Shelving Capacity

**SHELVING CAPACITY**

**BEFORE**
- LSW 7: 5.4
- LSW 8: 6.7
- LSW 9: 2.9
- OFFSITE: 14.2

**AFTER**
- LSW 7: 12.1
- LSW 8: 7.4
- LSW 9: 14.4
- OFFSITE: 14.4
Move Statistics

Books moved within LSW 7:
• 23,200 linear feet of book volumes
• 260,000 volumes (ESTIMATE based on extensive statistical sample with +/- 3% margin of error; average 11.2015 vols per foot)
• 465,000 volumes counting multiple moves of same item
  o (22% of 260,000 volumes moved three times; 35% moved twice; 43% moved once)

Books moved from LSW 9 to LSW 7:
• 12,200 linear feet of book volumes (100% moved once)
• 137,000 volumes (ESTIMATE based on extensive statistical sample with +/- 3% margin of error; average 11.2015 vols per foot)

GRAND TOTAL (LSW 7 & 9): 397,000 volumes (602,000 counting multiple moves of same item)
  o (14% of 397,000 volumes moved three times; 23% moved twice; 63% moved once)

Filing cabinets (LSW 8 to LSW 7): 63
Microfiche cabinets (LSW 8 to LSW 7): 48
Map cases (LSW 9 to LSW 7): 18
Superman telephone booths (LSW 9 to LSW 7): 1
Other Statistics

- Old shelves re-used in new mobile shelving (so far): 8,672

- Steel recycled from old shelving (so far):
  - 35,960 pounds (18 tons)
  - $3,103 to CPL General Fund

- Workplace accidents: 0