

# 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)**

# Budget

**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.

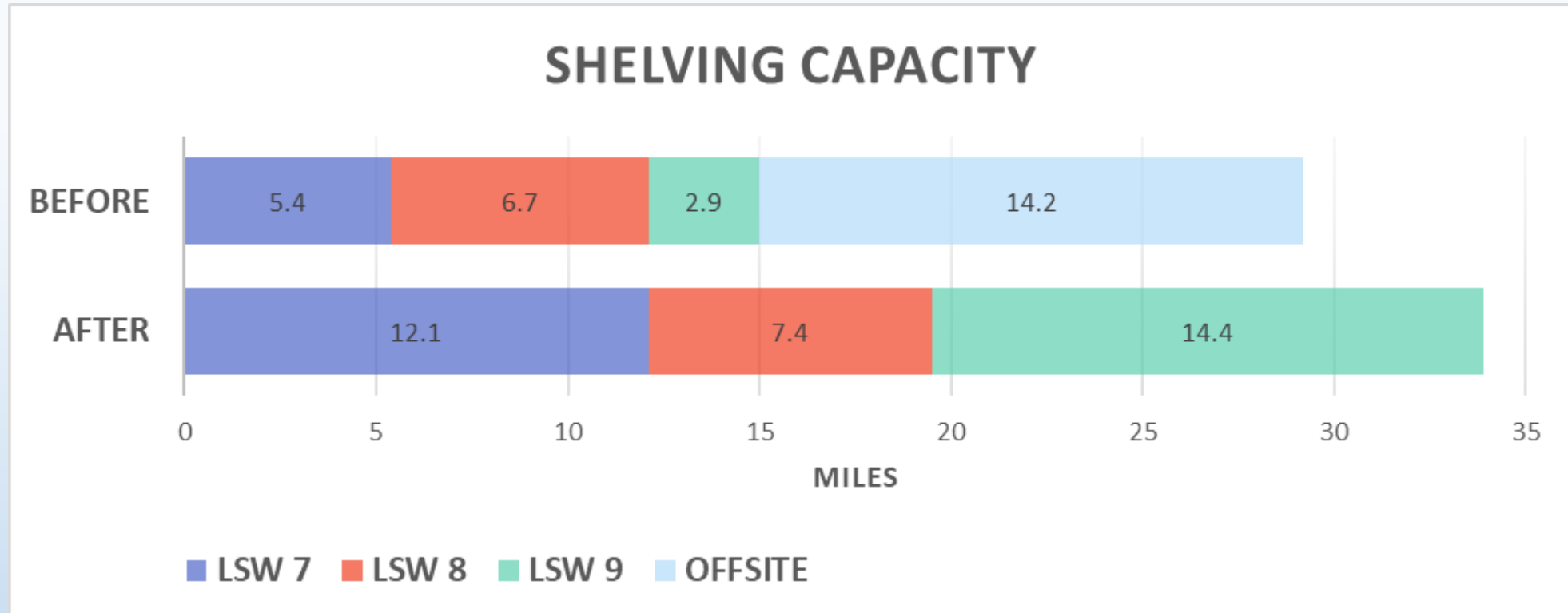
## After

- 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



# 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**
  - (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)**

- (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**