



## **MPM Freight Elevator**

Use to move Passenger  
as past Practice Allowed  
Now a Code and Safety  
Violation

### **Past Safety Practice Not Allowed**

Elevator Code Requires  
Horizontal Door Opening  
Automatic Door Retraction  
Structural & Weight Modifications  
**Safety Cannot be Grandfathered**



# MPM 1962 Freight Elevator, Original Equipment



**MILWAUKEE COUNTY ADMINISTRATIVE SERVICES-FM  
ARCHITECTURAL, ENGINEERING & ENVIRONMENTAL SERVICES SECTION  
2016 COST ESTIMATE SHEET**

Ver.01

<b>FOR: MILWAUKEE PUBLIC MUSEUM</b>	Date of Estimate 6/24/2015	Life Expectancy in Years 30
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**Project #:**

**Description of Project: Milwaukee Public Museum - Passenger Elevator**

Cost estimate for a new custom 10,000 lbs passenger elevator. This is a two (2) years project.

Description	Unit	No	Cost	Cost Estimate
The custom elevator will run 4 floors, the appx size should be 8' deep, 12' wide.		1	1,250,000	\$ 1,250,000
the weight is appx. 10,000 lbs.				
Door will open to the North on Ground, Second, Third. The first floor will need to open to the South.				
Mechanical & HVAC		1	275,000	\$ 275,000
Electrical		1	110,000	\$ 110,000
Demolition		1	80,000	\$ 80,000
General Conditions				\$ 343,000
Allowance				
<b>Total Construction Costs</b>				\$ 2,058,000
Project Management				\$ 32,928
Owners Services				\$ 20,374
Planning & Design				
Construction Management				\$ 123,252
			Total Cost Estimate=	\$ 2,234,554

**NOTE:**

Phase #1 - 2016: The estimate of \$1,000,000 will be used to order main material (new elevator)

Phase #2 - 2017: The estimate of \$1,234,554 will be used for Construction, HVAC & Electrical

Estimated by: Andy Tran, P.E.

**County A&E Department Estimate for New Large Passenger Elevator  
\$2,234,554**



# New Passenger Elevator Independent Estimate Obtained by MPM Inc.

Artega Construction  
\$1,100,000

OTIS Elevator Company  
Estimate of Elevator Only  
\$475,000

**TOTAL COMPOSIT COST  
ESTIMATE  
\$1,375,000**



*Building Wisconsin's Future*

September 15th, 2015

Milwaukee Public Museum

Attention: Larry Bannister-Director of Facilities

Project: MPM-Elevator Cost Projection-Budget

Scope: Furnish and install a single passenger elevator shaft to the exterior of the building. Including demolition, Masonry, Elevator, finishes, MEP, Design Fees, general conditions and permits for a turnkey project

Exclusions: We exclude: premium time, bond or any reinforcing if bad soils are uncovered

Base Bid Budget: One Million One Hundred Thousand Dollars \$ 1,100,000.00

Breakdown-Informational Only:

General Conditions	\$200,000.00
Design (Contractor)	\$100,000.00
County (A&E)	\$ 50,000.00
Demolition	\$100,000.00
Plumbing	\$ 30,000.00
Masonry	\$250,000.00
HVAC	\$ 40,000.00
Electrical	\$ 50,000.00
Elevator	\$200,000.00
Final Finishes	\$ 80,000.00

This proposal is valid for thirty days from this date. Should you accept this proposal, it must be incorporated with the contract documents. Thank you for this opportunity to present our proposal.

Artega Construction is a certified SBE, MBE, DBE firm.

Respectfully Submitted,

Roger A. Wettberg  
Sr. Project Manager  
roger@artegaconstruction.com

*Building Wisconsin's Future*

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ARCHITECTURAL, ENGINEERING & ENVIRONMENTAL SERVICES SECTION  
2016 COST ESTIMATE SHEET

Ver.01

FOR: MILWAUKEE PUBLIC MUSEUM

Date of Estimate  
6/24/2015

Life Expectancy in Years  
30

Additional Est.  
Private Contractors

Project #:

Description of Project: Milwaukee Public Museum - Passenger Elevator

Cost estimate for a new custom 10,000 lbs passenger elevator. This is a two (2) years project.

Description	Unit	No	Cost	Cost Estimate	Private Cost Est.	Note
The custom elevator will run 4 floors, the appx size should be 8' deep, 12' wide.		1	1,250,000	\$ 1,250,000	\$ 475,000	1
the weight is appx. 10,000 lbs.					\$ 200,000	2
Door will open to the North on Ground, Second, Third. The first floor will need to open to the South.					(\$200,000)	2
Mechanical & HVAC		1	275,000	\$ 275,000	\$ 40,000	3
Electrical		1	110,000	\$ 110,000	\$ 50,000	3
Demolition		1	80,000	\$ 80,000	\$ 100,000	3
Plumbing				\$ -	\$ 30,000	4
Masonry				\$ -	\$ 250,000	4
Final Finishes					\$ 80,000	4
General Conditions				\$ 343,000	\$ 200,000	3
Allowance						
<b>Total Construction Costs</b>				\$ 2,058,000	\$ 1,225,000	
Project Management				\$ 32,928	\$ 50,000	5
Owners Services				\$ 20,374	\$ -	
Planning & Design					\$ 100,000	6
Construction Management				\$ 123,252	\$ -	7
Total Cost Estimate=				\$ 2,234,554	\$ 1,375,000	

## New Passenger Elevator

**Independent Estimate  
Obtained by MPM Inc.  
\$1,375,000**

**County A&E  
Estimated Cost  
\$2,234,554**

**Projected cost  
Difference  
\$859,554**

Note	Additional Notes for Private Estimates
1	Otis Est.: Similar Custom Elevator Only W/ Installation
2	Arteaga Est.: Omit Elevator
3	Arteaga Est.: Work Group Items in County Est. Compared
4	Arteaga Est.: New Items omitted from County Est.
5	Arteaga Est.: Combined Items (PM & Owner Services) County's total equals \$53,302
6	Arteaga Est.: Omitted from County Est.
7	County Est.: Omitted from Arteaga Est., covered by Planning