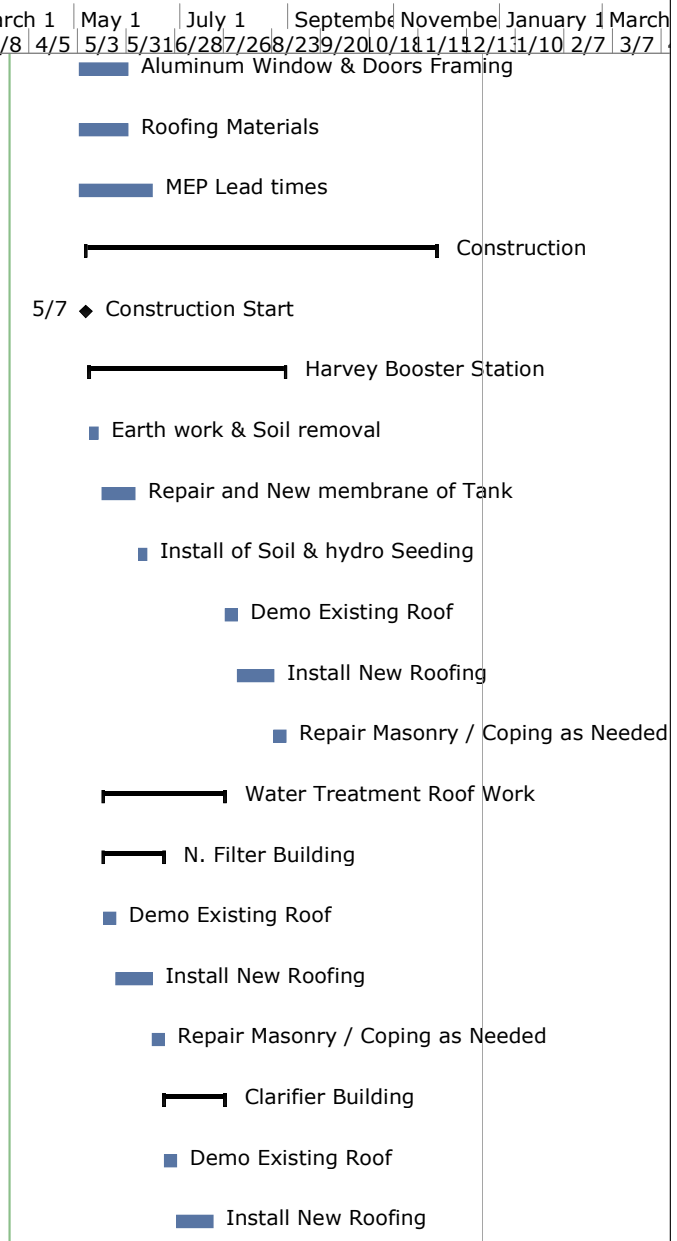


**Muskegon Water Filtration & Harvey Booster Station
Bid Project Schedule**

ID	Task Name	Duration	% Comple	Start	Finish	Predecessors	March 1 3/8	May 1 4/5	July 1 5/31	September 6/28	November 10/20	January 1 11/1	March 2/7	
1	Preconstruction	88 days	0%	Thu 3/25/21	Mon 7/26/21		Preconstruction							
2	Bid Period	3 wks	0%	Thu 3/25/21	Wed 4/14/21		Bid Period							
3	Site Walk Throughs	0 days	0%	Wed 3/31/21	Wed 3/31/21	31	◆ Site Walk Throughs							
4	Bid Day	0 days	0%	Tue 4/13/21	Tue 4/13/21	2FF-1 day	4/13	◆ Bid Day						
5	Post Bid Reviews	0.5 wks	0%	Wed 4/14/21	Fri 4/16/21	4	Post Bid Reviews							
6	Subcontract Scoping & Cost Analysis	0.5 wks	0%	Fri 4/16/21	Tue 4/20/21	5	Subcontract Scoping & Cost Analysis							
7	Contract Value Presentation	0 days	0%	Tue 4/20/21	Tue 4/20/21	6	4/20	◆ Contract Value Presentation						
8	Board Approval / Contract Award	0 days	0%	Tue 4/27/21	Tue 4/27/21	7FF+1 day	4/27	◆ Board Approval / Contract Award						
9	Notice to Proceed to Subcontractors	1 day	0%	Tue 4/27/21	Tue 4/27/21	8	Notice to Proceed to Subcontractors							
10	Subcontract Issuance	1 wk	0%	Tue 4/27/21	Mon 5/3/21	8	■ Subcontract Issuance							
11	Submittals & Procurement	60 days	0%	Tue 5/4/21	Mon 7/26/21		Submittals & Procurement							
12	Shop Drawings	10 days	0%	Tue 5/4/21	Mon 5/17/21		Shop Drawings							
13	Brick Approval	1 wk	0%	Tue 5/4/21	Mon 5/10/21	10	■ Brick Approval							
14	Windows & Doors	2 wks	0%	Tue 5/4/21	Mon 5/17/21	10	■ Windows & Doors							
15	Roofing Submittals	2 wks	0%	Tue 5/4/21	Mon 5/17/21	10	■ Roofing Submittals							
16	MEP Submittals	2 wks	0%	Tue 5/4/21	Mon 5/17/21	10	■ MEP Submittals							
17	Misc. Material Submittals	2 wks	0%	Tue 5/4/21	Mon 5/17/21	10	■ Misc. Material Submittals							
18	Material Lead Times	60 days	0%	Tue 5/4/21	Mon 7/26/21		Material Lead Times							
19	Brick & Lintels	4 wks	0%	Tue 5/4/21	Mon 5/31/21	10	■ Brick & Lintels							
20	Glazed brick Lead Time	12 wks	0%	Tue 5/4/21	Mon 7/26/21	10	■ Glazed brick Lead Time							

**Muskegon Water Filtration & Harvey Booster Station
Bid Project Schedule**

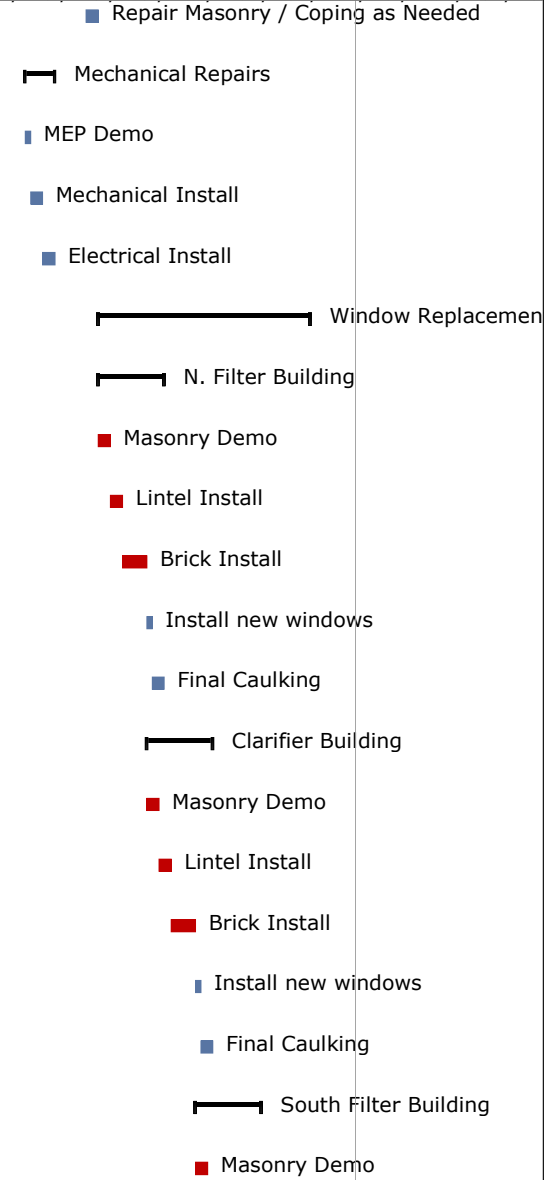
ID	Task Name	Duration	% Comple	Start	Finish	Predecessors	March 1 3/8	May 1 4/5	July 1 5/31	September 9/27	November 11/1	January 1 1/10	March 3/7
21	Aluminum Window & Doors Framing	4 wks	0%	Tue 5/4/21	Mon 5/31/21	10							
22	Roofing Materials	4 wks	0%	Tue 5/4/21	Mon 5/31/21	10							
23	MEP Lead times	6 wks	0%	Tue 5/4/21	Mon 6/14/21	10							
24	Construction	144 days	0%	Fri 5/7/21	Thu 11/25...								
25	Construction Start	0 days	0%	Fri 5/7/21	Fri 5/7/21	10FF+4 days							
26	Harvey Booster Station	81 days	0%	Mon 5/10/21	Mon 8/30/21								
27	Earth work & Soil removal	1 wk	0%	Mon 5/10/21	Fri 5/14/21	25							
28	Repair and New membrane of Tank	3 wks	0%	Mon 5/17/21	Fri 6/4/21	27							
29	Install of Soil & hydro Seeding	1 wk	0%	Mon 6/7/21	Fri 6/11/21	28							
30	Demo Existing Roof	1 wk	0%	Tue 7/27/21	Mon 8/2/21	41							
31	Install New Roofing	3 wks	0%	Tue 8/3/21	Mon 8/23/21	30							
32	Repair Masonry / Coping as Needed	1 wk	0%	Tue 8/24/21	Mon 8/30/21	31							
33	Water Treatment Roof Work	50 days	0%	Tue 5/18/21	Mon 7/26/21								
34	N. Filter Building	25 days	0%	Tue 5/18/21	Mon 6/21/21								
35	Demo Existing Roof	1 wk	0%	Tue 5/18/21	Mon 5/24/21	15							
36	Install New Roofing	3 wks	0%	Tue 5/25/21	Mon 6/14/21	35							
37	Repair Masonry / Coping as Needed	1 wk	0%	Tue 6/15/21	Mon 6/21/21	36							
38	Clarifier Building	25 days	0%	Tue 6/22/21	Mon 7/26/21								
39	Demo Existing Roof	1 wk	0%	Tue 6/22/21	Mon 6/28/21	37							
40	Install New Roofing	3 wks	0%	Tue 6/29/21	Mon 7/19/21	39							



**Muskegon Water Filtration & Harvey Booster Station
Bid Project Schedule**

ID	Task Name	Duration	% Comple	Start	Finish	Predecessors
41	Repair Masonry / Coping as Needed	1 wk	0%	Tue 7/20/21	Mon 7/26/21	40
42	Mechanical Repairs	13 days	0%	Tue 6/15/21	Thu 7/1/21	
43	MEP Demo	3 days	0%	Tue 6/15/21	Thu 6/17/21	23
44	Mechanical Install	1 wk	0%	Fri 6/18/21	Thu 6/24/21	43
45	Electrical Install	1 wk	0%	Fri 6/25/21	Thu 7/1/21	44
46	Window Replacement	88 days	0%	Tue 7/27/21	Thu 11/25/...	
47	N. Filter Building	28 days	0%	Tue 7/27/21	Thu 9/2/21	
48	Masonry Demo	1 wk	0%	Tue 7/27/21	Mon 8/2/21	19,20
49	Lintel Install	1 wk	0%	Tue 8/3/21	Mon 8/9/21	48
50	Brick Install	2 wks	0%	Tue 8/10/21	Mon 8/23/21	49,20
51	Install new windows	3 days	0%	Tue 8/24/21	Thu 8/26/21	50
52	Final Caulking	1 wk	0%	Fri 8/27/21	Thu 9/2/21	51
53	Clarifier Building	28 days	0%	Tue 8/24/21	Thu 9/30/21	
54	Masonry Demo	1 wk	0%	Tue 8/24/21	Mon 8/30/21	19,20,50
55	Lintel Install	1 wk	0%	Tue 8/31/21	Mon 9/6/21	54
56	Brick Install	2 wks	0%	Tue 9/7/21	Mon 9/20/21	20,55
57	Install new windows	3 days	0%	Tue 9/21/21	Thu 9/23/21	56
58	Final Caulking	1 wk	0%	Fri 9/24/21	Thu 9/30/21	57
59	South Filter Building	28 days	0%	Tue 9/21/21	Thu 10/28/...	
60	Masonry Demo	1 wk	0%	Tue 9/21/21	Mon 9/27/21	19,20,56

March 1 | May 1 | July 1 | September | November | January | March
3/8 | 4/5 | 5/3 | 5/31 | 6/28 | 7/26 | 8/23 | 9/20 | 10/18 | 11/15 | 12/13 | 1/10 | 2/7 | 3/7



**Muskegon Water Filtration & Harvey Booster Station
Bid Project Schedule**

ID	Task Name	Duration	% Comple	Start	Finish	Predecessors	March 1 3/8	May 1 4/5	July 1 5/31	September 1 8/26	November 1 10/26	January 1 1/10	March 1 2/7
61	Lintel Install	1 wk	0%	Tue 9/28/21	Mon 10/4/21	60							■ Lintel Install
62	Brick Install	2 wks	0%	Tue 10/5/21	Mon 10/18/21	61,20							■ Brick Install
63	Install new windows	3 days	0%	Tue 10/19/21	Thu 10/21/21	62							■ Install new windows
64	Final Caulking	1 wk	0%	Fri 10/22/21	Thu 10/28/21	63							■ Final Caulking
65	High Service	28 days	0%	Tue 10/19/21	Thu 11/25/...								▬ High Service
66	Masonry Demo	1 wk	0%	Tue 10/19/21	Mon 10/25/21	19,20,62							■ Masonry Demo
67	Lintel Install	1 wk	0%	Tue 10/26/21	Mon 11/1/21	66							■ Lintel Install
68	Brick Install	2 wks	0%	Tue 11/2/21	Mon 11/15/21	67,20							■ Brick Install
69	Install new windows	3 days	0%	Tue 11/16/21	Thu 11/18/21	68							■ Install new windows
70	Final Caulking	1 wk	0%	Fri 11/19/21	Thu 11/25/21	69							■ Final Caulking
71	Closeout	40 days	0%	Tue 10/26/21	Tue 12/21/...								▬ Closeout
72	Owner Training Sessions	3 wks	0%	Tue 10/26/21	Tue 11/16/21	75FS-30 days							■ Owner Training Sessions
73	Final Inspections & Testing	1 wk	0%	Fri 11/26/21	Thu 12/2/21	74SS							■ Final Inspections & Testing
74	Formal Punchlist Development	1.5 wks	0%	Fri 11/26/21	Tue 12/7/21	45,70							■ Formal Punchlist Development
75	Achievement of Substantial Completion	0 days	0%	Tue 12/7/21	Tue 12/7/21	74							12/7 ◆ Achievement of Substantial Completion
76	Project Occupancy	0 days	0%	Tue 12/7/21	Tue 12/7/21	75,73							12/7 ◆ Project Occupancy
77	Submission of Project Asbuilts & O&Ms	2 wks	0%	Tue 12/7/21	Tue 12/21/21	75							■ Submission of Project Asbuilts & O&Ms
78	Project Completion	0 days	0%	Tue 12/21/21	Tue 12/21/21	77							12/21 ◆ Project Completion