

Winnetka Campus East Side Academic and Athletic Update

December 19, 2022



Current Construction Progress

- Masonry Contractor
 - Nearly Complete with all exterior brick work
 - Interior masonry work continues throughout
- Roofing is substantially complete
- Project is dried in from a roofing perspective
- Glazing contractor is continuing, south elevation windows are in and is nearly complete with the north elevation that will allow us to provide temporary heat into the field house
- Fireproofing is substantially complete
- Carpentry contractor continues to make good strides with framing/insulation at the 2nd & 3rd floor of the academic areas
- Painting contractor will start before the end of the month
- All MEP contractors continuing rough-in at all levels of addition and the renovations with ductwork, piping, conduit, & wire
- Mechanical air handling units have installed in the academic side and rooftop units will be installed around the end of the month



Current Construction Progress



Current Construction Progress



Window Work South East Elevation



Current Construction Progress



Brick work Finishing and Windows Starting at North Elevation



Current Construction Progress



Comp. Gym Looking NW



Current Construction Progress



Field House looking NW



Current Construction Progress



Aux Gym



Looking North at Cardio and Weight Rooms



Current Construction Progress



Interior Framing of Cardio Classroom



Inside Weight Room Looking NW



Current Construction Progress



Mechanical Room in Academic Area



Dance/Cardio Room



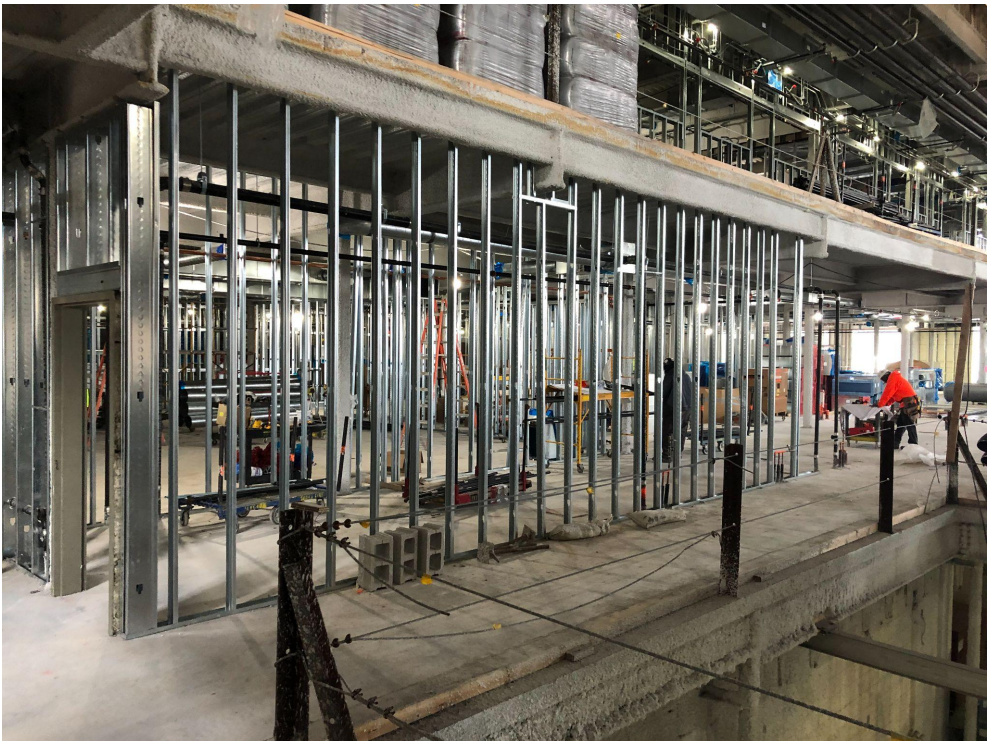
Current Construction Progress



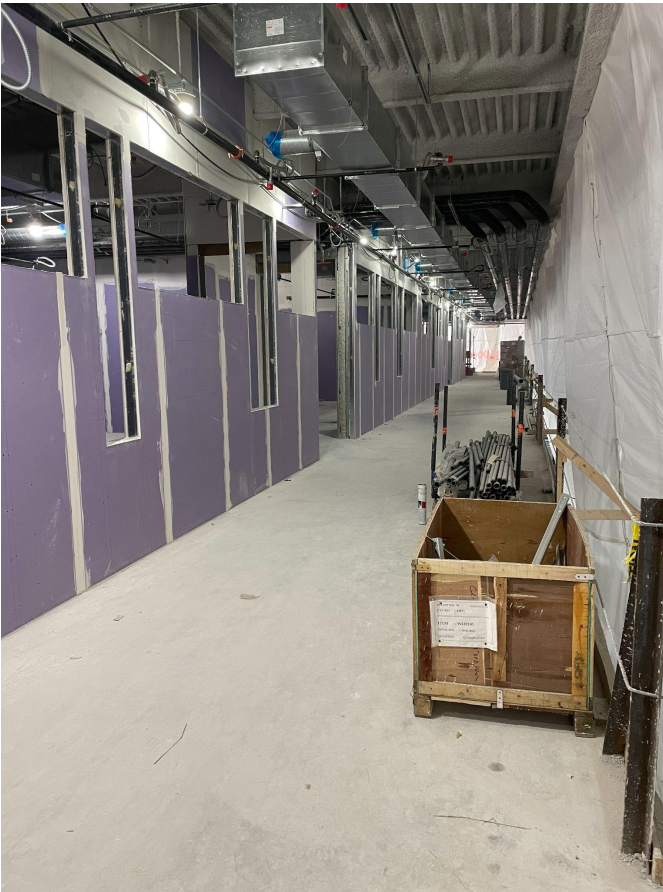
Main Entrance Staircase Installation



Current Construction Progress



Interior Framing 2nd Floor Cafe



Interior Framing/Drywall at 3rd Floor Corridor



Budget Update

- This month's change orders to date total \$335,403
 - Examples: Exterior Building Skin Review Mods, doors, frame, & hardware changes, various MEP coordination revisions, and various structural & skin coordination revisions
- Projected future change orders decreased from \$1,324,587 to \$1,246,276
 - Examples: exterior/interior architectural modifications, storm trap slab, Misc. MEP adjustments, and structural coordination & revisions



Northfield Campus Solar Project

December 19, 2022



Northfield Campus Solar System Overview

- System will be installed on roof of buildings B, C, D, E, F
- Generates approximately 43% of the total annual power
- Remaining power will be drawn from ComEd
- Will not impact reliability of power
- If surplus power is generated, sold back to ComEd
- Total cost of system \$3,976,569
- Increase from original estimate, but greater rebates and lower net cost
- Increased power generation
- Payback dropped from 15 to 13 years
- System installed this spring and summer
- Online spring 2024 when final switchgear arrives
- Collaborate with faculty on educational aspects and Village in promoting environmental stewardship



Solar

Northfield Solar Summary

System Summary		Project Financial Summary	
Solar PV kWdc System Size	1,020 kWdc	Solar array design and installation	\$3,976,569
Solar PV kWac System Size	850 kWac	Com Ed Rebate	\$255,000
PV System Type	Roof	REC Incentive (First 6.25 Years)	\$828,607
PV System Annual Generation	1,200,894 kWh	Gross Savings Year 1	\$1,685,480
Bldg Annual Elec (2021)	2,793,755 kWh	Gross Savings Over 20 Years	\$5,127,233
Bldg Elec kWh OffSet by Solar	43%	Gross Savings over 30 Years	\$7,444,310



Solar

Year	Solar kWh Generation	Utility Cost - Before Project	Utility Cost - After Project	Utility Cost Savings	ComEd Rebate	IRA - 30% ITC	REC Income	Annual Gross Savings	Cumulative Gross Savings
1	1,200,894	\$ (287,847)	\$ (219,745)	\$ 68,102	\$ 255,000	\$ 1,150,051	\$ 212,326	\$ 1,685,480	\$ 1,685,480
2	1,194,890	\$ (297,922)	\$ (187,310)	\$ 110,612	\$ -		\$ 117,386	\$ 227,998	\$ 1,913,478
3	1,188,915	\$ (308,349)	\$ (194,229)	\$ 114,120	\$ -		\$ 117,386	\$ 231,507	\$ 2,144,984
4	1,182,971	\$ (319,141)	\$ (201,401)	\$ 117,741	\$ -		\$ 117,386	\$ 235,127	\$ 2,380,111
5	1,177,056	\$ (330,311)	\$ (208,835)	\$ 121,477	\$ -		\$ 117,386	\$ 238,863	\$ 2,618,975
6	1,171,170	\$ (341,872)	\$ (216,540)	\$ 125,332	\$ -		\$ 117,386	\$ 242,718	\$ 2,861,693
7	1,165,315	\$ (353,838)	\$ (224,527)	\$ 129,310	\$ -		\$ 29,349	\$ 158,659	\$ 3,020,352
8	1,159,488	\$ (366,222)	\$ (232,806)	\$ 133,416	\$ -		\$ -	\$ 133,416	\$ 3,153,768
9	1,153,691	\$ (379,040)	\$ (241,387)	\$ 137,652	\$ -		\$ -	\$ 137,652	\$ 3,291,420
10	1,147,922	\$ (392,306)	\$ (250,282)	\$ 142,024	\$ -		\$ -	\$ 142,024	\$ 3,433,445
11	1,142,183	\$ (406,037)	\$ (259,501)	\$ 146,536	\$ -		\$ -	\$ 146,536	\$ 3,579,981
12	1,136,472	\$ (420,248)	\$ (269,056)	\$ 151,192	\$ -		\$ -	\$ 151,192	\$ 3,731,173
13	1,130,789	\$ (434,957)	\$ (278,960)	\$ 155,997	\$ -		\$ -	\$ 155,997	\$ 3,887,170
14	1,125,135	\$ (450,180)	\$ (289,225)	\$ 160,955	\$ -		\$ -	\$ 160,955	\$ 4,048,126
15	1,119,510	\$ (465,937)	\$ (299,864)	\$ 166,072	\$ -		\$ -	\$ 166,072	\$ 4,214,198



Solar



Duke Childs Field Update

December 19, 2022



Duke Childs Field

- Village work is progressing well and ahead of schedule
- Work to be completed this winter
- District work out to bid in January 2023
- Work to begin after baseball season in June and completed this summer



Village of Winnetka Duke Childs Field Stormwater Update



Duke Childs Field Aerial Photo



Village of Winnetka Duke Childs Field Stormwater Update



Storm Traps



Questions

