



ANN ARBOR PUBLIC SCHOOLS  
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# ANN ARBOR PUBLIC SCHOOLS CAPITAL PROGRAMS UPDATE SEPTEMBER 27, 2023

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# 2023 Summer Projects Overview



# 2023 Summer Projects Overview

50 projects at 20 schools over 78 days (June 10-Aug 27)

*Completed Projects include:*

- Air Conditioning and Lighting projects (+ geothermal)
- Paving Improvements
- Rooftop Replacements and Improvements
- Rooftop Solar Arrays
- Theater Upgrades and Improvements
- Stormwater Updates
- Building Envelope Improvements
- Transportation Center Improvements
- Stair & Handrail Site Improvements





# 2023 Completed Capital Improvements

*Additional Special Projects Completed this summer:*

- New preschool rooms at Pittsfield and Lakewood Elementary Schools
- Emergency exterior wall remediation / repairs
- Epoxy floors in PLTW lab in Pioneer High School
- Pioneer Holloway Bleacher Improvements
- Science Classroom at Freeman
- Community & Tappan Elevator Improvements
- Huron kitchen serving equipment replacement





# 2023 Summer Projects Overview

## *Project Highlights include:*

- **107,313 square feet (SF) of roof replacements** completed at 3 different schools.
- **97,787 square feet (SF) of roof coating** improvements applied across 3 different schools
- **273,000 SF of pavement** completed across 3 different schools
- **347** background checks were conducted from March-August for work on 2023 summer projects



# 2023 Summer Projects Overview

*Project Highlights supporting **environmental sustainability** include:*

- **398 kilowatts of rooftop solar** (DC rated capacity) installed at Scarlett and Tappan Middle schools
- **1,000+ light fixtures replaced with high efficiency LEDs** across 5 different schools
- **Five (5) new geothermal vertical test bores** drilled at five different sites to evaluate and support future high performance mechanical HVAC systems
- **Four (4) new pedestal mounted fast charging DC chargers** to support EV buses at Transportation Center
- Continued updates of school building level Greenhouse Gas Inventory
- ES Initiatives with UM student teams – SEAS, Graham, EcoUM



# Air Conditioning Bond Improvements

Summer Air Conditioning Operational Timeline					
School	2021	2022	2023	2024	Notes
Angell		Online			
Bach			Online		
Burns Park		Online			
Carpenter		Online			
Clague				Online	Construction work in progress
Community		Online			
Dicken	Online				
Eberwhite		Online			
Forsythe				Online	Construction work in progress
Lakewood	Online				
Lawton			Online		
Mitchell	Online				
Pittsfield		Online			
Scarlett		Online			
Tappan		Online			
Wines		Online			



# 2023 Accomplishments





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# ABBOT ELEMENTARY





# ABBOT ELEMENTARY – ROOF COATING





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**ANN ARBOR OPEN**

# ANN ARBOR OPEN – CHOIR ROOM





# ANN ARBOR OPEN – BAND ROOM



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**A2 STEAM**



# A2 STEAM – A/C & LIGHTING



Before



After





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# ANGELL ELEMENTARY



# ANGELL – MULTI PURPOSE ROOM LIGHTING



Before



After



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# BACH ELEMENTARY



# BACH – A/C & LIGHTING



Before



After





# BACH – A/C & LIGHTING



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# BACH – PAVING PROJECT



**Before**



**After**





# BACH – PAVING PROJECT





# BACH – PAVING PROJECT





# BACH – STORM WATER PIPE REPLACEMENT



**Before**



**After**



# BACH – STORM WATER PIPE REPLACEMENT



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# CLAGUE MIDDLE SCHOOL



# CLAGUE – AIR CONDITIONING





# CLAGUE – AIR CONDITIONING





# CLAGUE – FRONT ENTRY



**In Progress**



**After**





# CLAGUE – FRONT ENTRY





# CLAGUE – FRONT ENTRY





# CLAGUE – MEDIA CENTER LIGHTING



Before



After



# CLAGUE – MULTI-PURPOSE ROOM - BEFORE





# CLAGUE – MULTI-PURPOSE ROOM - AFTER





# CLAGUE – AIR CONDITIONING & LIGHTING





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# COMMUNITY HIGH SCHOOL



# COMMUNITY – ELEVATOR IMPROVEMENTS





# COMMUNITY – EXTERIOR RESTORATION



Before



After





# COMMUNITY – EXTERIOR RESTORATION





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# FREEMAN ENVIRONMENTAL CENTER



# FREEMAN ENVIRONMENTAL CENTER – FIRE ALARM SYSTEM





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# FORSYTHE MIDDLE SCHOOL



# FORSYTHE – A/C & LIGHTING



**Before**



**After**



# FORSYTHE – A/C & LIGHTING





# FORSYTHE – A/C & LIGHTING





# FORSYTHE – A/C & LIGHTING





# FORSYTHE – NEW CEILINGS & SIGN





# FORSYTHE – A/C & LIGHTING





# FORSYTHE – THEATER RIGGING IMPROVEMENTS





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# HAISLEY ELEMENTARY





# HAISLEY – PAVING IMPROVEMENTS





# HAISLEY – PAVING IMPROVEMENTS





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HURON HIGH SCHOOL



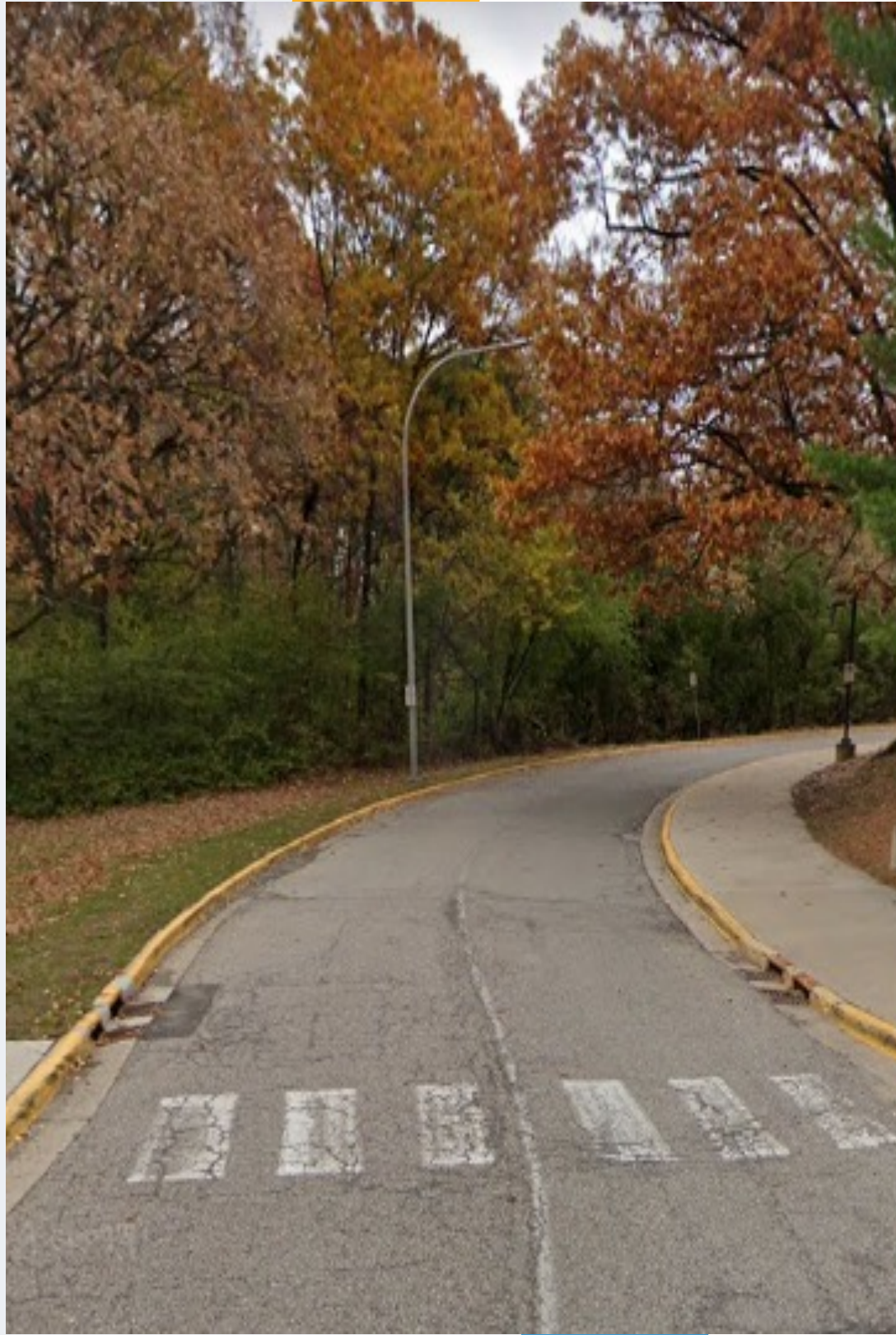


# HURON – DROPBOX REPLACEMENT





# HURON – PAVING IMPROVEMENTS



**Before**



**In Progress**

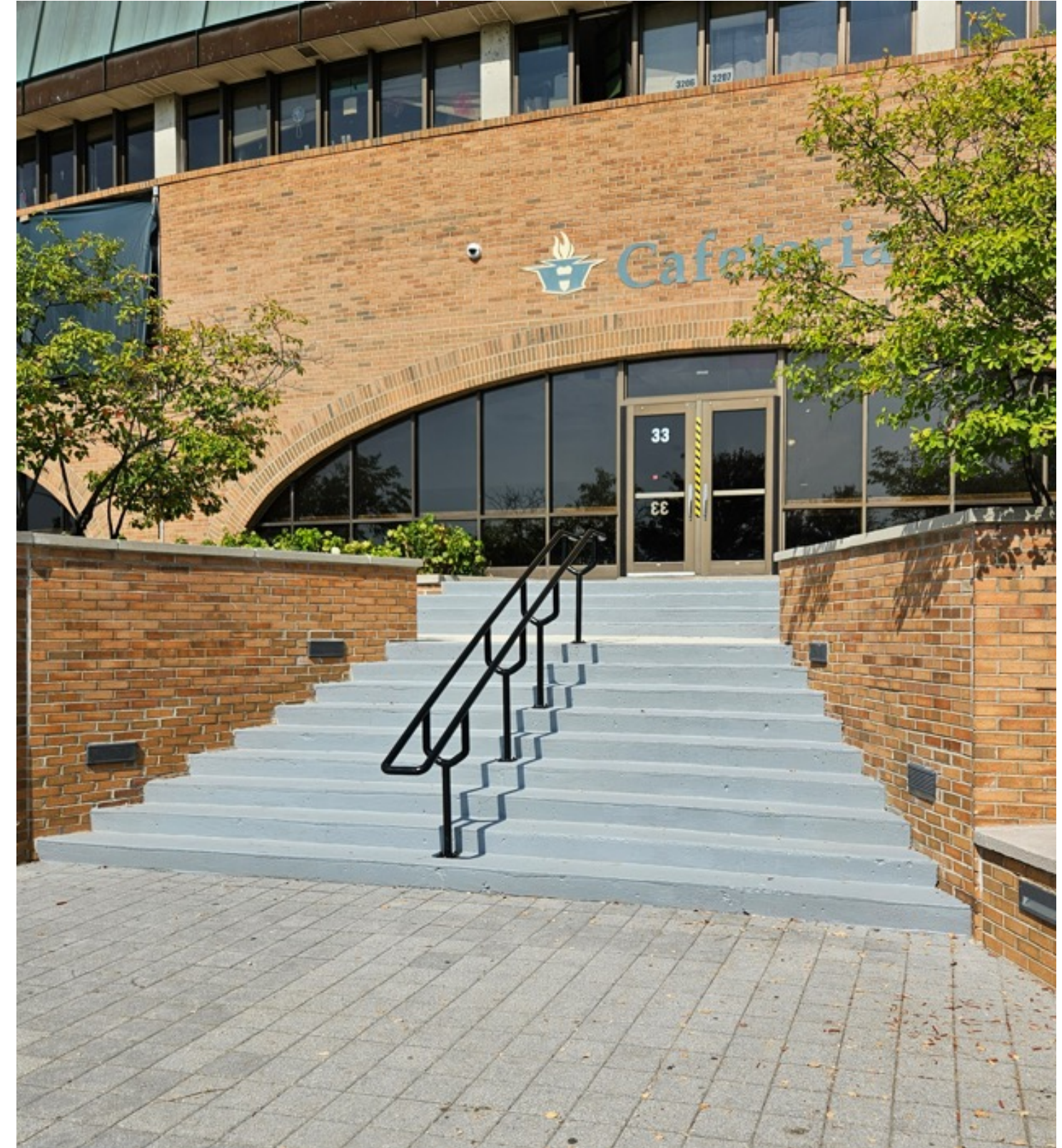


**After**





# HURON – PAVING IMPROVEMENTS





# HURON – PAVING IMPROVEMENTS

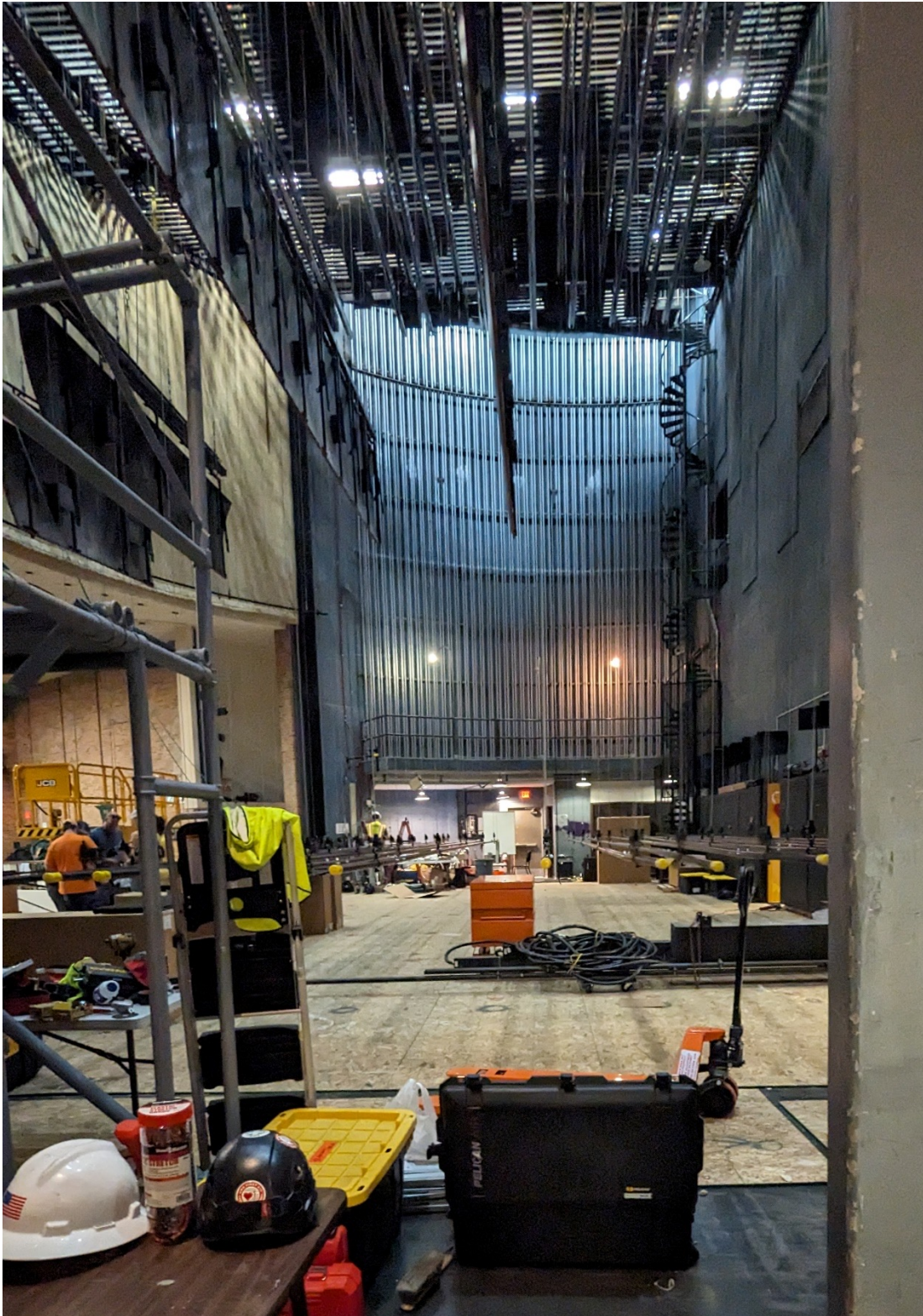




# HURON – THEATER RIGGING IMPROVEMENTS



Before



In Progress



After





# HURON – EMERGENCY EXTERIOR WALL REMOVAL



Before



In Progress





# HURON – EMERGENCY EXTERIOR WALL REMOVAL





# HURON – TRACK RETAINING WALL



Before



In Progress



After





# HURON – SITE LIGHTING



**Before**



**In Progress**



**After**





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# KING ELEMENTARY





# KING ELEMENTARY – TEMPORARY ROOM





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**LAKEWOOD ELEMENTARY**



# LAKEWOOD – NEW PRESCHOOL ROOM





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**LAWTON ELEMENTARY**



# LAWTON – AIR CONDITIONING





# LAWTON – LIGHTING



**Before**



**After**



# LAWTON – WINDOW TREATMENTS





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# PIONEER HIGH SCHOOL



# PIONEER – AUTO LAB IMPROVEMENTS



**Before**



**After**





# PIONEER – SOLAR ARRAY SCREEN WALL





# PIONEER – THEATER LIGHTING





# PIONEER – BLEACHER STABILIZATION



**Before**



**After**





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PITTSFIELD ELEMENTARY



# PITTSFIELD – NEW PRESCHOOL CLASSROOM





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# SCARLETT MIDDLE SCHOOL



# SCARLETT – A/C & LIGHTING



Before



After





# SCARLETT – ROOF REPLACEMENT



**In Progress**



**After**



# SCARLETT – SOLAR PROJECT



**Before**

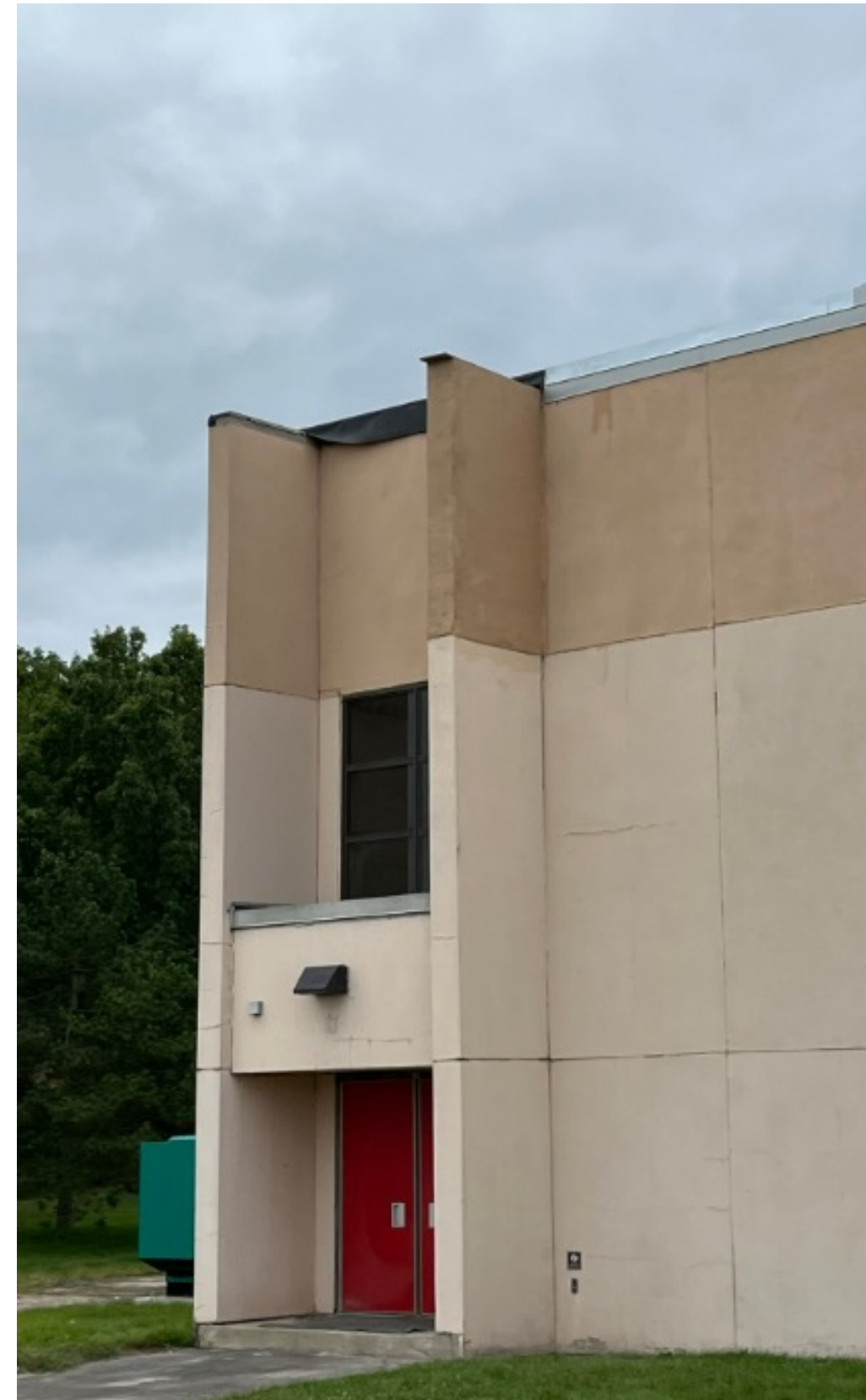


**In Progress**





# SCARLETT – EMERGENCY WING WALL REPAIR





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TAPPAN MIDDLE SCHOOL



# TAPPAN – ROOF REPLACEMENT



**Before**



**After**



# TAPPAN – ELEVATOR IMPROVEMENTS





# TAPPAN – NEW VESTIBULE AT ENTRANCE





# TAPPAN – SOLAR PROJECT



**In Progress**





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**THURSTON ELEMENTARY**



# THURSTON – POND BERM IMPROVEMENTS



**Before**



**In Progress**



**After**



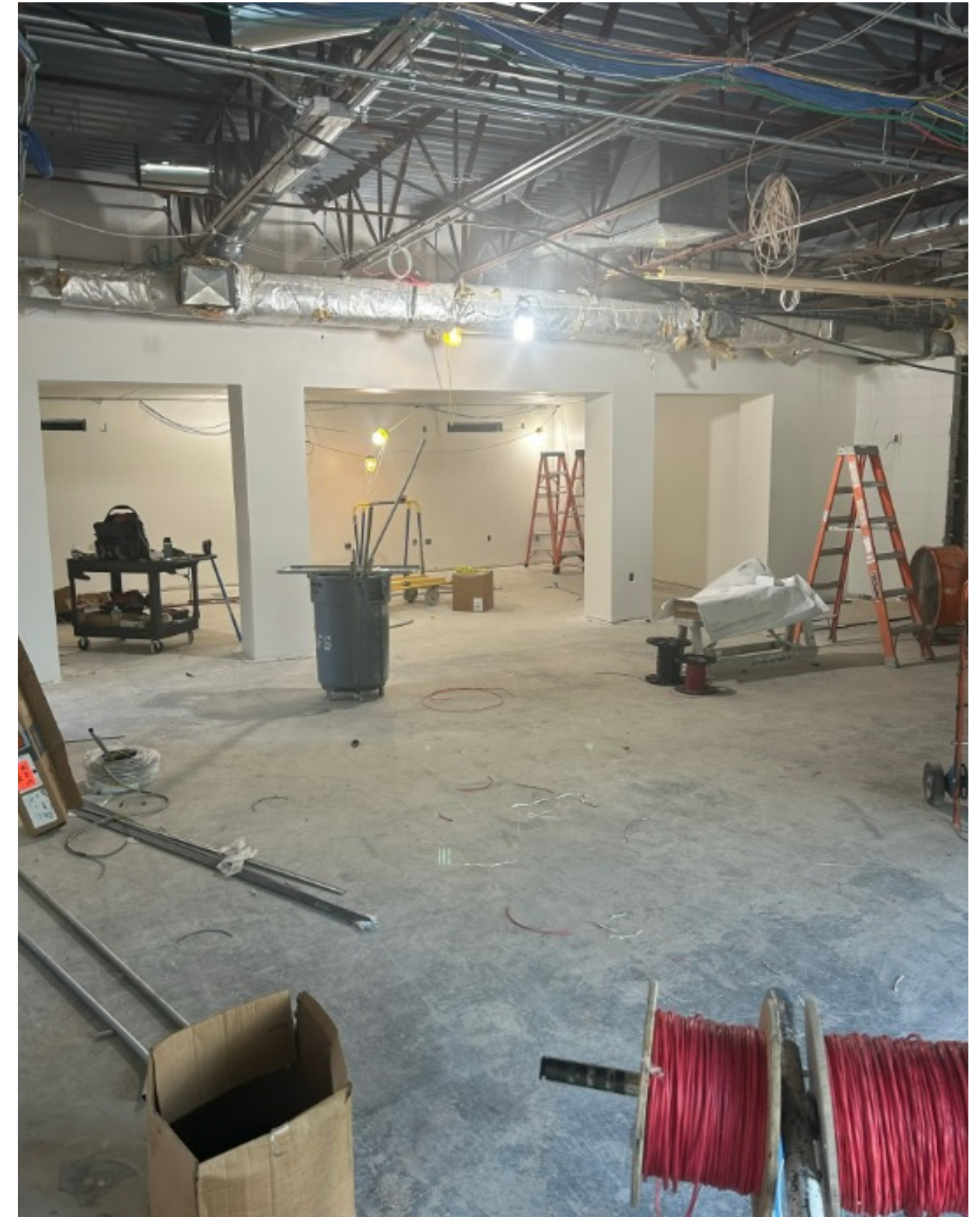
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# TRANSPORTATION CENTER



# TRANSPORTATION – A/C & LIGHTING



## In Progress

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# TRANSPORTATION – FUEL SYSTEM IMPROVEMENTS





# TRANSPORTATION – FUEL SYSTEM IMPROVEMENTS





# TRANSPORTATION – ELECTRIC BUS CHARGING





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# WINES ELEMENTARY



# WINES – CEILING REPLACEMENT



**Before**



**After**





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# Thank You!

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