

Facility Assessment (10-Year Planning)

June 25 and 26, 2019



Hillside School (Adult Basic Education & Early Childhood)



A105 Office 185 SF

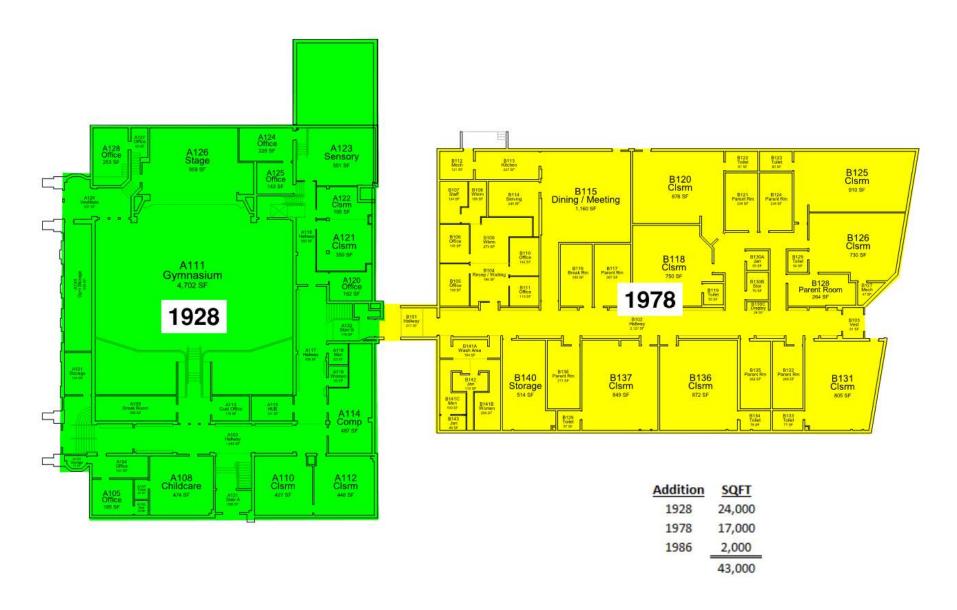
Hillside School

30 4th Avenue South

1928: 24,000 sqft 1978: 17,000 sqft 1986: 2,000 sqft Total: 43,000 sqft



Hillside School (Adult Basic Education & Early Childhood)





Heating Plant:

- 1 Steam Boiler (37 Years Old)
- Inefficient
- No Redundancy
- Distribution Piping Original and Seeing Increasing Repairs

HVAC (Heating/Ventilation/Air Conditioning):

- 1928 Bldg: Newer Ventilation System For Main Level Only
- Limited or No Ventilation For Gym and 2nd Floor
- 1928 Bldg. Is Still All Steam (Coils and Radiation)
- 1978 Building Ventilation Updated In 2004



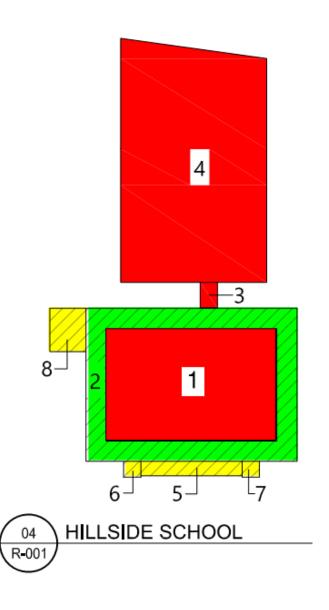


- **Caulking At Expansion Joints and Windows**
- **Brick Repair And Replace**
- Original Granite Walls / Steps

Exterior: Roofing

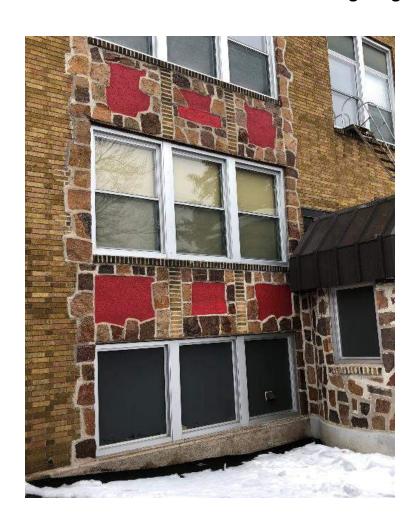
- Sections Beyond Life Expectancy and Should Be Replaced
- Other Sections Will Need Replacement in Near Future





Exterior:

- 1928 Bldg: Single Pane (Inefficient)
- 1978 Bldg: Original Double Pane



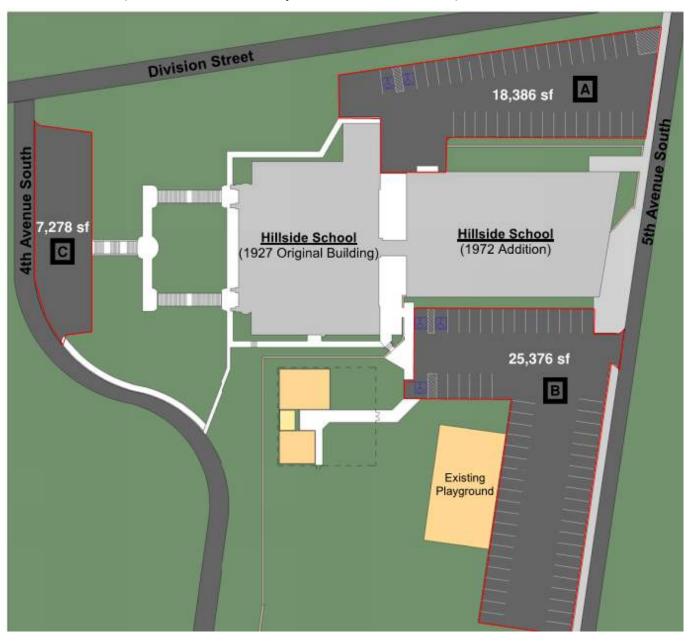






Parking Lots and Play Areas (51,000 SF):

- Mild to Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace



Main Facility Needs / Concerns:

- Boiler Plant Old, Inefficient and No Back Up
- Ventilation 1928 Building (Add Gym and Second Floor)
- Tuckpointing 1928 Building
- Roofing Replacements
- Windows 1928 Building
- Parking Lots Repairs and Replacements
- ADA Access to Second Floor
- Asbestos



HILLSIDE SCHOOL - SUMMARY:

Category	Hillside School	<u>HIGHLIGHTS</u>
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$1,885,245	I 928 Boiler Plant (Steam to Hot Water) and I 928 Ventilation Improvements
Building Envelope	\$1,661,932	1928 Roof Replacement and Tuckpointing 1978 Roof Replacement
Parking Lots / Side Walks / Paving	\$390,867	Repair and Maintain until Replacement
nterior Finishes	\$66,162	1978 Classroom Carpeting
Misc.	\$132,961	New Public Address (PA) System and Lighting Upgrades
Existing District LTFM Plan	\$278,009	Other Projects Identified in District's LTFM (10-year) Plan
Sub Totals	\$4.415.177	

Note: Budgets shown are for <u>all</u> work identified. Much of this work is not an immediate concern and the District will prioritize and phase this work over time.



Rice Elementary School 200 3rd Avenue NE

1957: 9,032 sqft

1963: 2,275 sqft

1970: 13,311 sqft

1974: 1,722 sqft

1977: 2,580 sqft

1980: 13,088 sqft

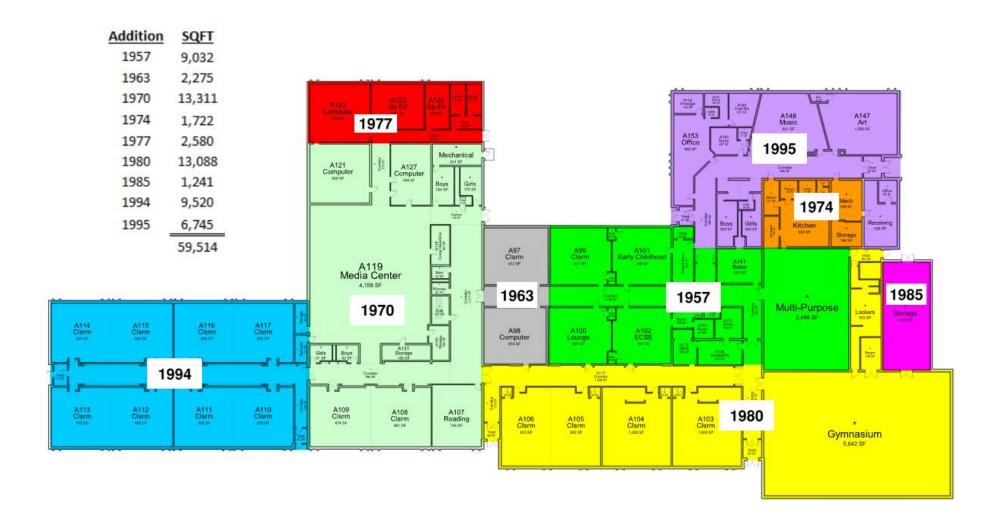
1985: 1,241 sqft

1994: 9,520 sqft

1995: <u>6,745 sqft</u>

Total: 59,514 sqft





Heating Plant:

- 2 Original HW Boilers in Separate Boiler Rooms
- Boilers From the 1970's and 80's
- Inefficient



HVAC (Heating/Ventilation/Air Conditioning):

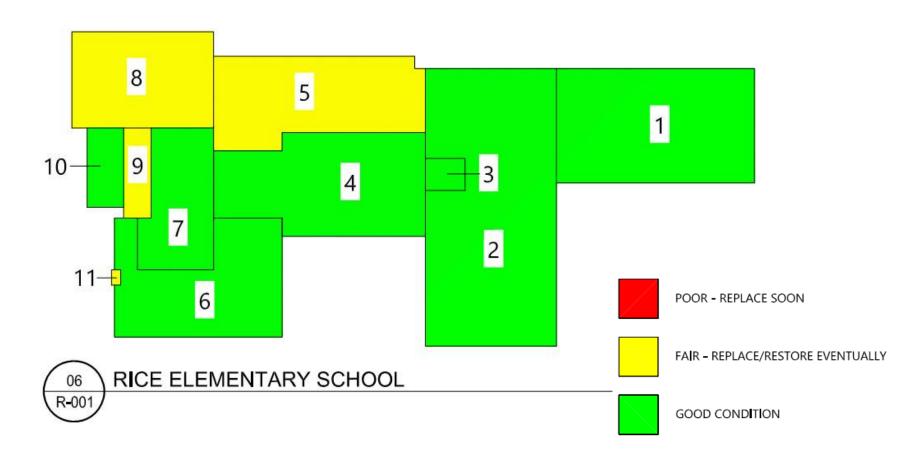
- Variety of Age and Type of Ventilation Systems
- Some Beyond Life Expectancy
- Air Handling Unit (AHU) #6 Supply Air Through Below Grade Tunnels
- Many of the Temperature Controls Are Outdated





Exterior: Roofing

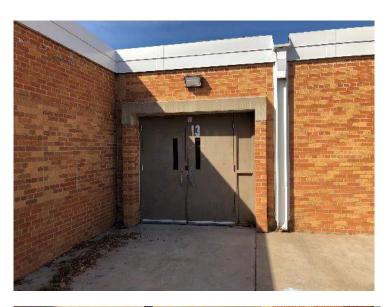
• Few Sections Will Need Replacement in the Near Future



Exterior:

- Some Original Windows (1970)
- Single Pane (Inefficient)
- A Few Original Exterior Doors Remaining and Rusting





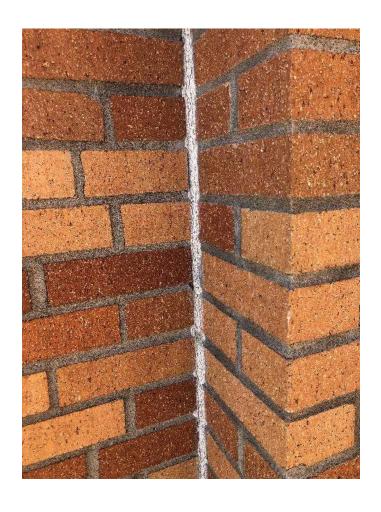






Exterior:

- Tuckpointing
- Caulking at Expansion Joints and Windows
- Brick Repair And Replace



Interior Finishes Replacements:

- Old Carpet in Many Areas
- Asbestos Tile in Rooms and Cafeteria Areas







<u>Sidewalks</u>:

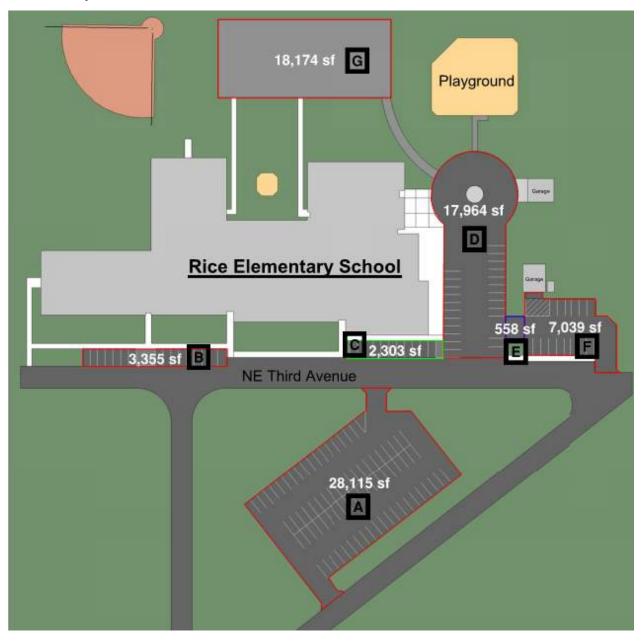
- Cracking and Deterioration In Varied Areas
- Tripping Hazards
- Spot Replacements Needed





Parking Lots and Play Areas (77,500 SF):

- Mild to Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace







<u>Playground Areas</u>:

- Wood Chips
- ADA Concerns

Main Facility Needs / Concerns:

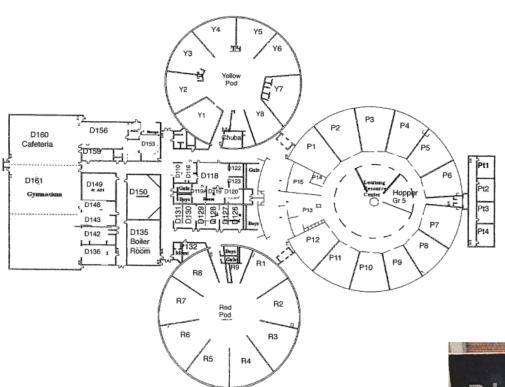
- Boiler Plant 2 Separate Plants (Upgrade And Combine To One)
- Ventilation Older Original Systems and Temperature Controls In Parts Of The Facility
- Tuckpointing, Caulking and Brick Repair
- Windows Original in 1970 Section
- Parking Lots Repairs and Replacements
- Lighting Upgrades to Light Emitting Diode (LED) Lighting Interior
- Asbestos Removal



RICE ELEMENTARY - SUMMARY:

Category	Rice Elementary	<u>HIGHLIGHTS</u>
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$2,912,289	Replacing / Combining Boiler Plants and Ventilation Improvemen
Building Envelope	\$658,576	Roof Replacements, but not needed for several years. Tuckpointing. Older Window and Door Replacements
Parking Lots / Side Walks / Paving	\$556,963	Repair and Maintain until Replacement
nterior Finishes	\$436,672	Asbestos Tile under Carpeting and Nora Hallway Flooring
Misc.	\$292,450	New PA System, Lighting Upgrades, Door Locks and Asbestos
Existing District LTFM Plan	\$596,097	Other Projects Identified in District's LTFM (10-year) Plan
Sub Totals	\$5.453.048	I

Note: Budgets shown are for <u>all</u> work identified. Much of this work is not an immediate concern and the District will prioritize and phase this work over time.



Pleasantview Elementary School

1009 6th Avenue North

1969: 76,759 sqft

1973: 1,000 sqft

1992: 4,000 sqft

1992: 825 sqft

Total: 82,584 sqft



Heating Plant:

- 2 Original Steam Boilers (50 Years Old)
- Inefficient
- Distribution Piping Original and Seeing Increasing Repairs
- Smaller High Efficiency Condensing Boilers Added for Use In Mild Weather





HVAC (Heating/Ventilation/Air Conditioning):

- Original Ventilation Systems (Beyond Life Expectancy)
- Heating Coils Failing
- Classroom Pods Supply Air Through Below Grade Tunnels
- Majority of Temperature Controls Are Outdated



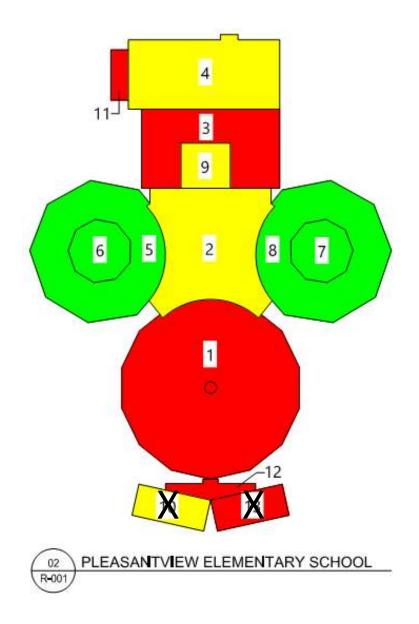




Exterior: Roofing

- Sections Beyond Life Expectancy and Should Be Replaced
- Other Sections Will Need Replacement in the Near Future





Exterior:

- Original Windows
- Single Pane (Inefficient)
- A Few Original Exterior Doors Remaining





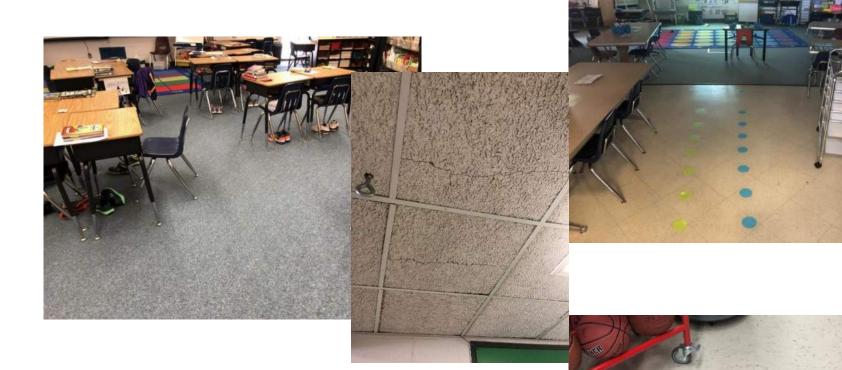




Exterior:

- Tuckpointing
- Caulking at Expansion Joints and Windows
- Brick Repair And Replace





Interior Finishes Replacements:

- Old Carpet In Many Areas
- Asbestos Tile In Gym / Cafeteria Areas
- Original Ceiling Tile





<u>Cabinetry:</u>

- Original and Outdated
- Increased Maintenance
- Replacement Parts Difficult to Find

Restrooms:

- Original and Outdated
- ADA Concerns
- Updates/Remodel









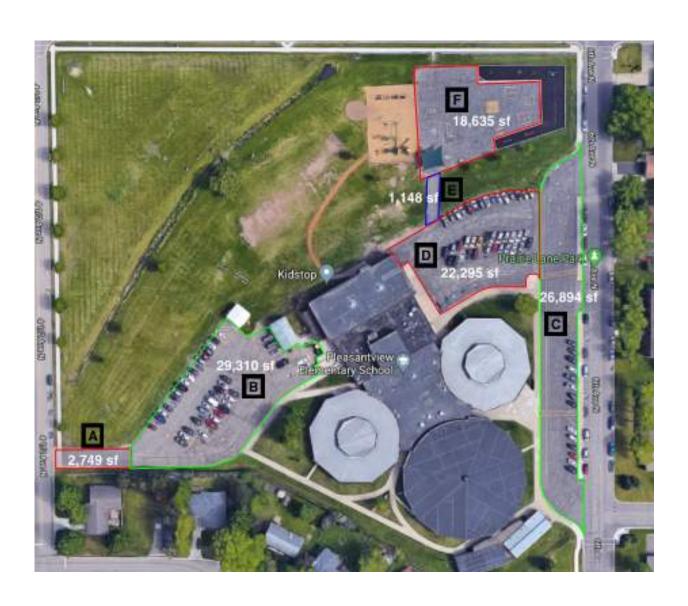
- Cracking and Deterioration In Several Areas
- Tripping Hazards
- Spot Replacements Needed





Parking Lots / Drives And Play Areas (101,000 SF):

- Mild to Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace





Play Areas:

- Wood Chips & Rubber
- ADA Concerns
- Drainage Issues

Main Facility Needs / Concerns:

- Boiler Plant Old and Inefficient
- Ventilation Original, Supplied Through Tunnels
- Roofing Replacements
- Windows Original
- Parking Lots Repairs and Replacements
- Lighting Upgrades to Light Emitting Diode (LED) Lighting Interior
- Asbestos Tile



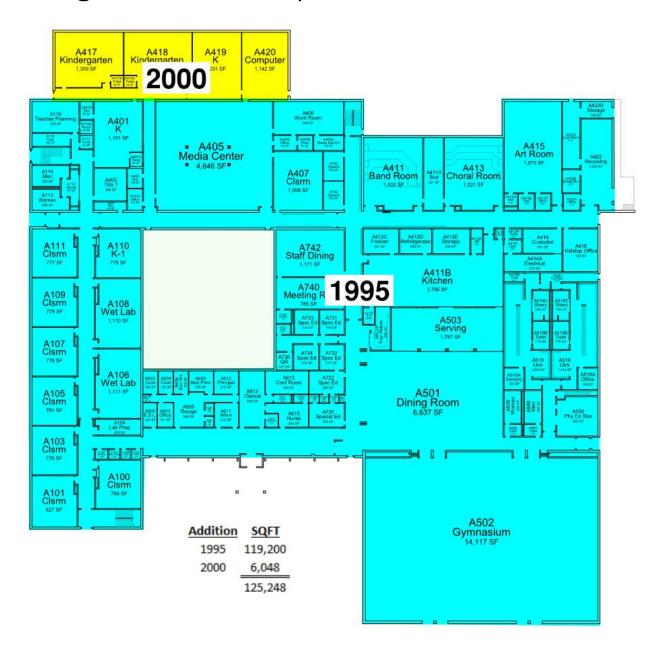


Mississippi Heights Elementary School

1003 S. 4th Street

1995: 119,200 sqft 2000: <u>6,048 sqft</u> Total: 125,248 sqft









Heating Plant:

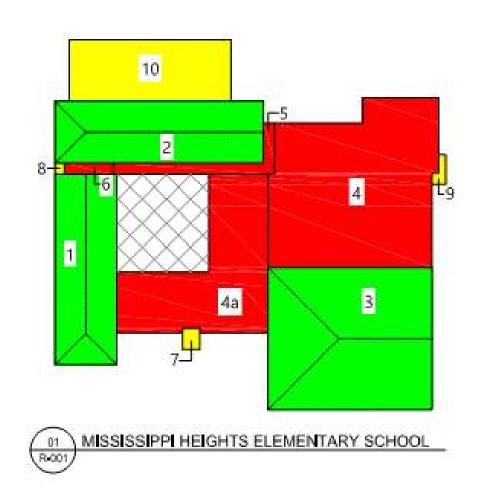
- 2 Original HW Boilers (24 Years Old)
- 2 Original Domestic HW Heaters (24 Years Old)
- Standard Efficiency
- Smaller High Efficiency Condensing Boiler Added For Use in Mild Weather



Exterior: Roofing

- Sections Beyond Life Expectancy and Should Be Replaced
- Other Sections Will Need Replacement in the Near Future

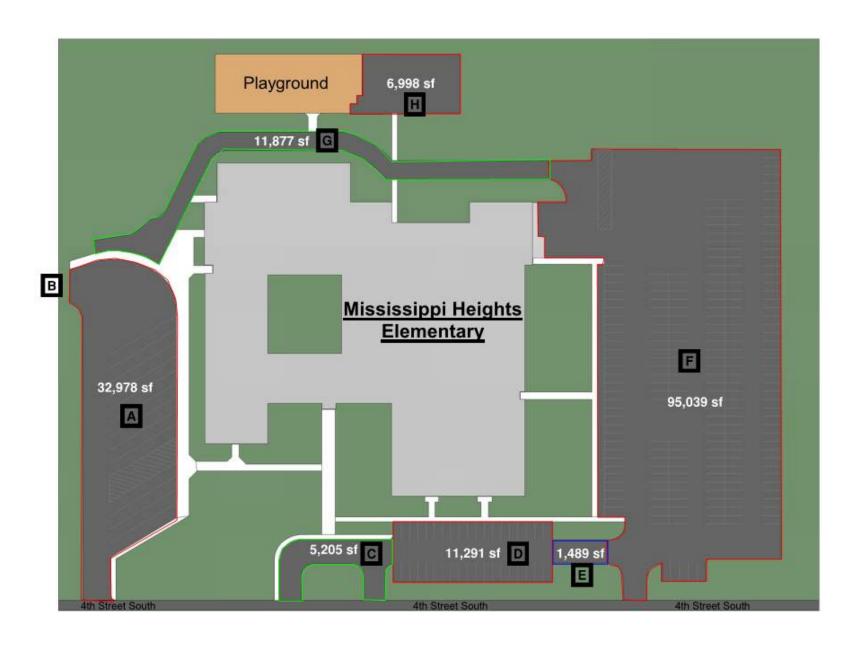






Parking Lots And Play Areas (165,000 SF):

- Mild To Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace



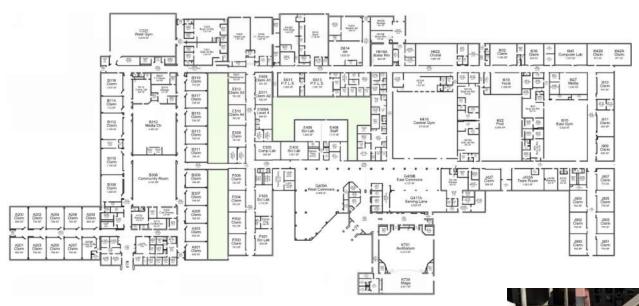
Main Facility Needs / Concerns:

- Boiler Plant Getting Old (Will Need New Mud Legs on Older Boilers)
- Roof Replacements
- Parking Lots Repairs And Replacements
- Lighting Upgrades to Light Emitting Diode (LED) Lighting Interior



MISSISSIPPI HEIGHTS ELEMENTARY - SUMMARY:

Category	Mississippi Heights Elementary	<u>HIGHLIGHTS</u>
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$1,136,211	Replacing Boiler Plant or Extending Life by Replacing Mud legs
Building Envelope	\$1,021,501	Near Term Roof Replacements
Parking Lots / Side Walks / Paving	\$1,241,269	Repair and Maintain until Replacement
nterior Finishes	\$356,259	Replacing Hallway Carpeting with Nora Flooring
Misc.	\$445,960	New PA System, Lighting Upgrades and Access Doors to Boiler Room
Existing District LTFM Plan	\$525,863	Other Projects Identified in District's LTFM (10-year) Plan
Sub Totals	\$4.727.063	



Sauk Rapids - Rice Middle School

901 1st Street South

1959: 65,898 sqft

1966: 61,725 sqft

1967: 4,657 sqft

1969: 6,976 sqft

1970: 1,000 sqft

1978: 6,256 sqft

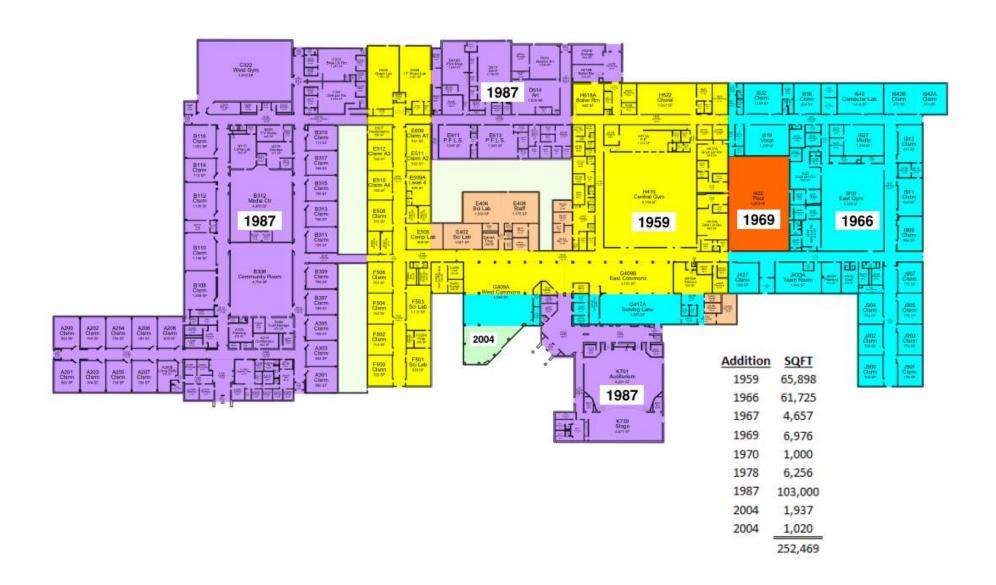
1987: 103,000 sqft

2004: 1,937 sqft

2004: <u>1,020 sqft</u>

Total: 252,469 sqft

SAUK RAPIDS-RICE MIDDLE SCHOOL



Heating Plant:

- 1 Original Steam Boilers (Converted To HW)
- 2 Higher Eff. Boilers (Reaching Life Expectancy)





HVAC (Heating/Ventilation/Air Conditioning):

- Variety Of Age and Type of Ventilation Systems
- Many Units On The Roof
- Some Beyond Life Expectancy
- Many Of the Temperature Controls are Outdated





Interior Finishes Replacements:

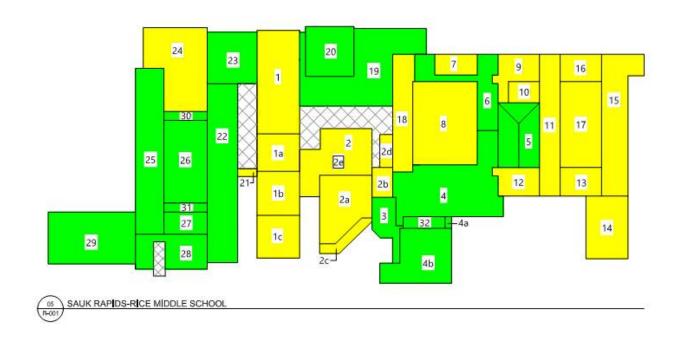
- Original Carpet in 1987 Wing
- Kitchen Tile
- Most Interior Doors are Original
- 1959 Hallway Asbestos Tile



Skylight (SW Entry):

- Panels Fill With Water
- Leaks





Exterior: Roofing

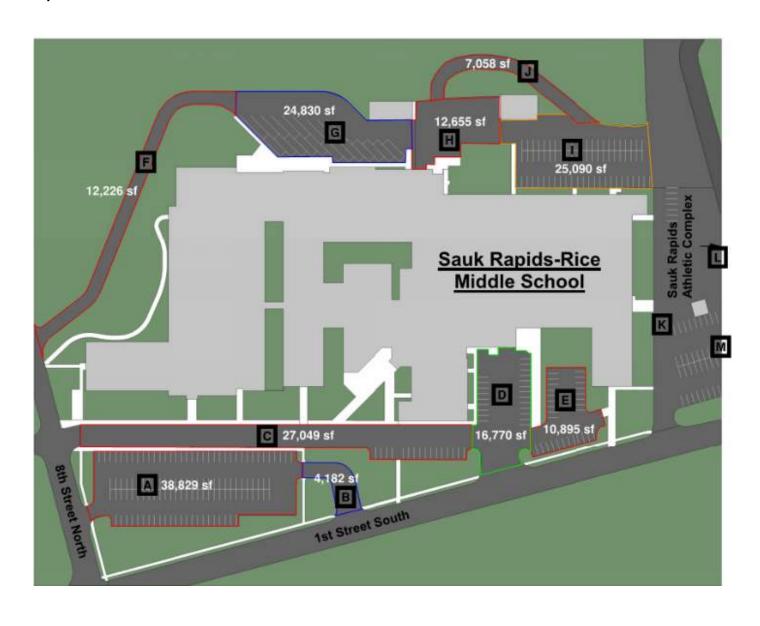
Sections Will Need Replacement in the Near Future





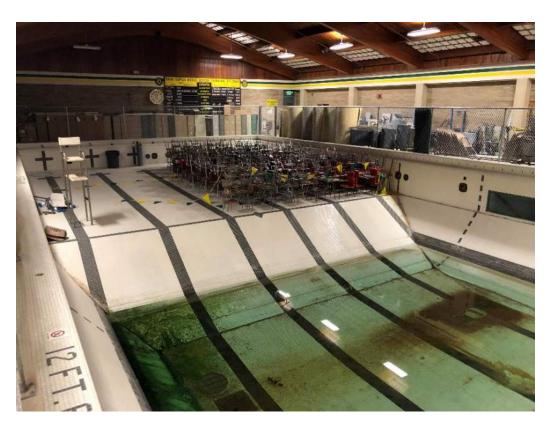
Parking Lots, Drives And Play Areas (250,000 SF):

- Mild to Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace



<u>Pool Area:</u>

- Now Storage and Wasted Space
- Alternative Uses



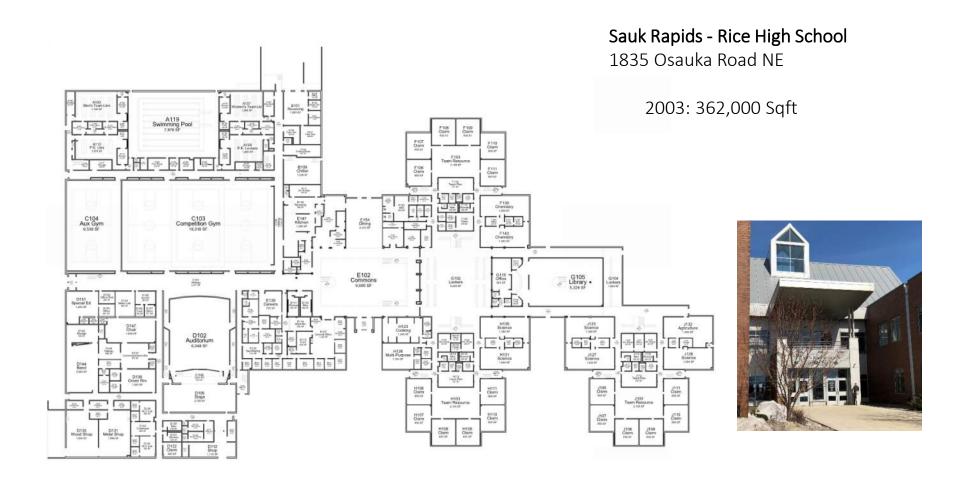
Main Facility Needs / Concerns:

- Boiler Plant Will Be a Concern In Coming Years
- Skylight Replacement (SW Entrance)
- Parking Lots Repairs and Replacements
- Ventilation Older Roof Top Units Replacements
- 1987 Carpeting and Asbestos Abatement
- Original Lighting for Track (Update To LED)
- Pool Alternative Use for Space?



SAUK RAPIDS – RICE MIDDLE SCHOOL - SUMMARY:

Category	Sauk Rapids - Rice Middle School	<u>HIGHLIGHTS</u>
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$1,305,625	Boiler Plant Upgrades, Few Ventilation Improvements and Controls Upgrades
Building Envelope	\$3,298,391	Roof Replacements, but not needed for several years. Replace Skylight with Metal Roof, Older Door Replacements
Parking Lots / Side Walks / Paving	\$1,612,746	Repair and Maintain until Replacement
Interior Finishes	\$611,811	I 987 Addition Carpeting and Hallway Asbestos Tile to Nora Flooring
Misc.	\$778,680	LED Track/Football Field and Interior Lighting Upgrades
Existing District LTFM Plan	\$846,115	Other Projects Identified in District's LTFM (10-year) Plan
Sub Totals	\$8,453,367	



Heating Plant:

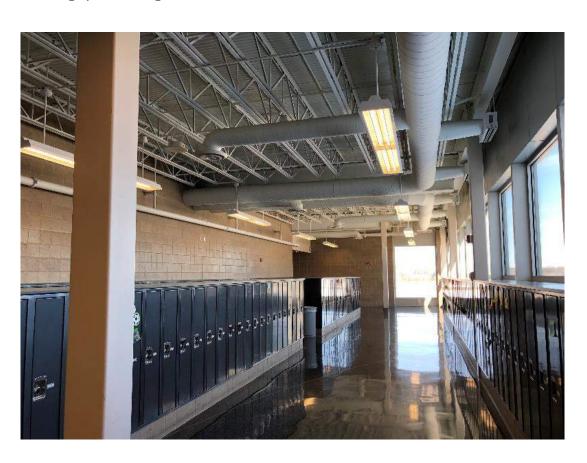
- 2 Standard Eff. Boilers (Fuel Oil Back Up)
- 4 Original Domestic HW Heaters
- 3 Smaller High Efficiency Condensing Boilers

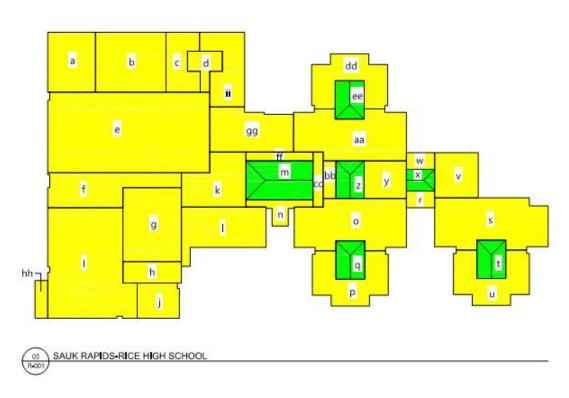




Controls / Lighting:

- HVAC Control System is Out of Date
- Lighting Controls System (Low Voltage) is Failing
- Fluorescent T8 Lighting





Exterior: Roofing

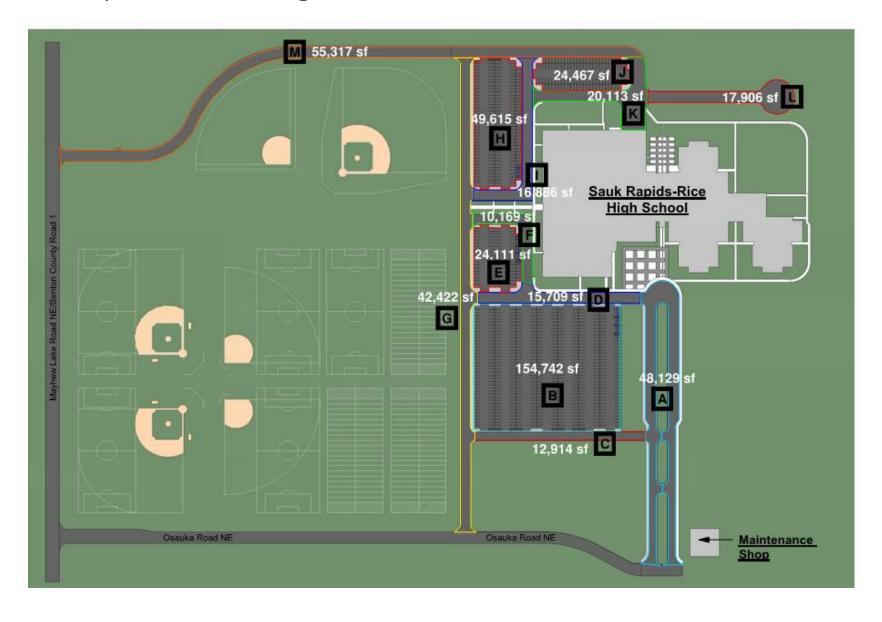
- Experiencing Some Leaks
- Sections Will Need Replacement In The Future





Parking Lots And Drives (492,500 SF):

- Mild To Severe Deterioration
- Fill Cracks and Seal Coat
- Or Mill & Overlay
- Or Complete Replace



Main Facility Needs / Concerns:

- Boiler Plant Will Be a Concern In Coming Years
- HVAC Control System
- Lighting Control System
- Lighting Upgrades to Light Emitting Diode (LED) Lighting Interior
- Parking Lots Repairs And Replacements



SAUK RAPIDS – RICE HIGH SCHOOL - SUMMARY:

Category	Sauk Rapids - Rice High School	<u>HIGHLIGHTS</u>
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$1,694,774	Main Boiler Plant (no work needed soon), Control System Replacement
Building Envelope	\$5,124,115	Roof Replacements, but not needed for several years.
Parking Lots / Side Walks / Paving	\$3,759,803	Repair and Maintain until Replacement
Interior Finishes	\$0	No major needs at this point
Misc.	\$1,423,445	Lighting Upgrades (LED and Control System) and District Will Phone System Upgrade
Existing District LTFM Plan	\$835,172	Other Projects Identified in District's LTFM (10-year) Plan
Sub Totals	\$12,837,310	

ISD #47 ALL FACILITIES - SUMMARY:

Category	Hillside School	Rice Elementary	Mississippi Heights Elementary	Sauk Rapids - Rice Middle School	Sauk Rapids - Rice High School
Heating/Ventilation/Air Conditioning (HVAC) Improvements	\$1,885,245	\$2,912,289	\$1,136,211	\$1,305,625	\$1,694,774
Building Envelope	\$1,661,932	\$658,576	\$1,021,501	\$3,298,391	\$5,124,115
Parking Lots / Side Walks / Paving	\$390,867	\$556,963	\$1,241,269	\$1,612,746	\$3,759,803
Interior Finishes	\$66,162	\$436,672	\$356,259	\$611,811	\$0
Misc.	\$132,961	\$292,450	\$445,960	\$778,680	\$1,423,445
Existing District LTFM Plan	\$278,009	\$596,097	\$525,863	\$846,115	\$835,172
Sub Totals	\$4.415.177	\$5.453.048	\$4.727.063	\$8.453.367	\$12.837.310

Grand Total: \$35,885,964

ISD #47 ALL FACILITIES - SUMMARY: By Potential Funding Source

Facility	Capital Facility	LTFM - IAQ	LTFM	Lease Levy	Abatement Bonds	Energy Savings	Non Levy Eligible
Hillside School	\$0	\$1,307,979	\$2,665,437	\$0	\$390,867	\$50,894	\$0
Rice Elementary	\$0	\$2,301,559	\$2,459,655	\$0	\$556,963	\$134,869	\$0
Mississippi Heights Elementary	\$0	\$0	\$3,278,401	\$0	\$1,241,269	\$190,853	\$16,541
Sauk Rapids - Rice Middle School	\$0	\$281,381	\$6,082,108	\$0	\$1,612,746	\$477,132	\$0
Sauk Rapids - Rice High School	\$0	\$0	\$8,035,768	\$0	\$3,759,803	\$1,041,739	\$0

Sub Totals \$0 \$3,890,919 \$22,521,368 \$0 \$7,561,648 \$1,895,488 \$16,541

ISD #47 ALL FACILITIES - SUMMARY: By Potential Funding Source

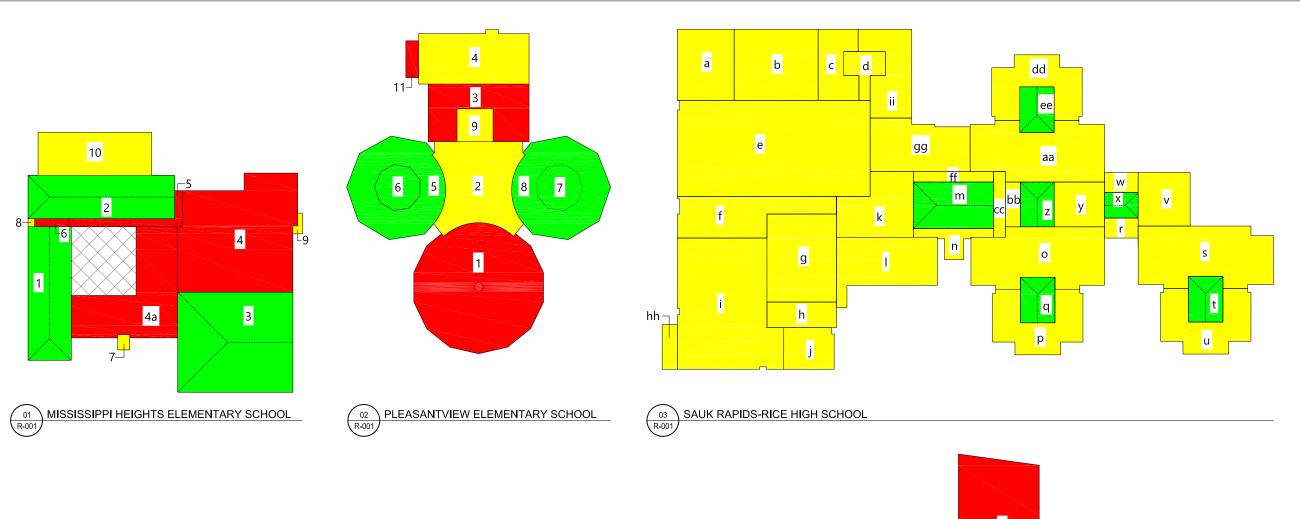
Category	Totals
Capital Facility	\$0
LTFM - IAQ	\$3,890,919
LTFM	\$22,521,368
Lease Levy	\$0
Abatement Bonds	\$7,561,648
Energy Savings	\$1,895,488
Non Levy Eligible	\$16,541

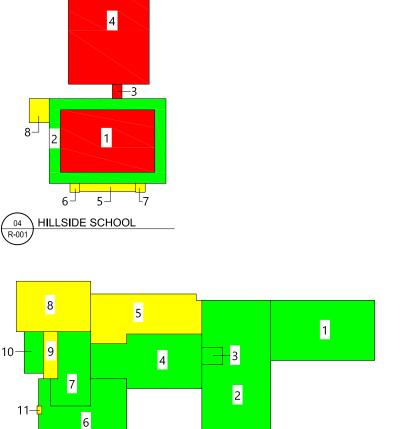
Total \$35,885,964

Potential Funding Sources

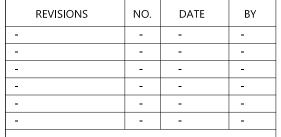
MN School Districts have been empowered . . .

- MN Statute 123B.595 (Long-Term Facility Maintenance) Pay as you go
- MN Statute 123B.595 (Long-Term Facility Maintenance) Bonded
- MN Statute 123B.57 (IAQ Health & Safety)
- Abatement Levy Authority
- MN Statute 126C.44 (Safe Schools)
- MN Statute 126.40 (Lease Levy Authority)
- MN Statute 123B.62 (Capital Facility Bonds)
- General Fund Balance
- Building Bond Referendum

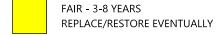




RICE ELEMENTARY SCHOOL



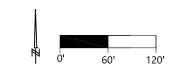








COURTYARD/SKYLIGHT





CUSTOMER:

SAUK RAPIDS-RICE ISD #47

BUILDINGS:

HILLSIDE SCHOOL

MISSISSIPPI HEIGHTS ELEMENTARY SCHOOL PLEASANTVIEW ELEMENTARY SCHOOL RICE ELEMENTARY SCHOOL SAUK RAPIDS-RICE MIDDLE SCHOOL

SAUK RAPIDS-RICE HIGH SCHOOL

DRAWN BY	DATE DRAWN	
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APPROVED	SURVEY DATE	L-001
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