



# FACILITY CONDITION ASSESSMENT

*Murchison MS* | February 2022





## Approach and Methodology

## Facility Deficiency Priority Levels

*Table 2: System by Priority (Site & Permanent Buildings)*

System	Priority	% of Total

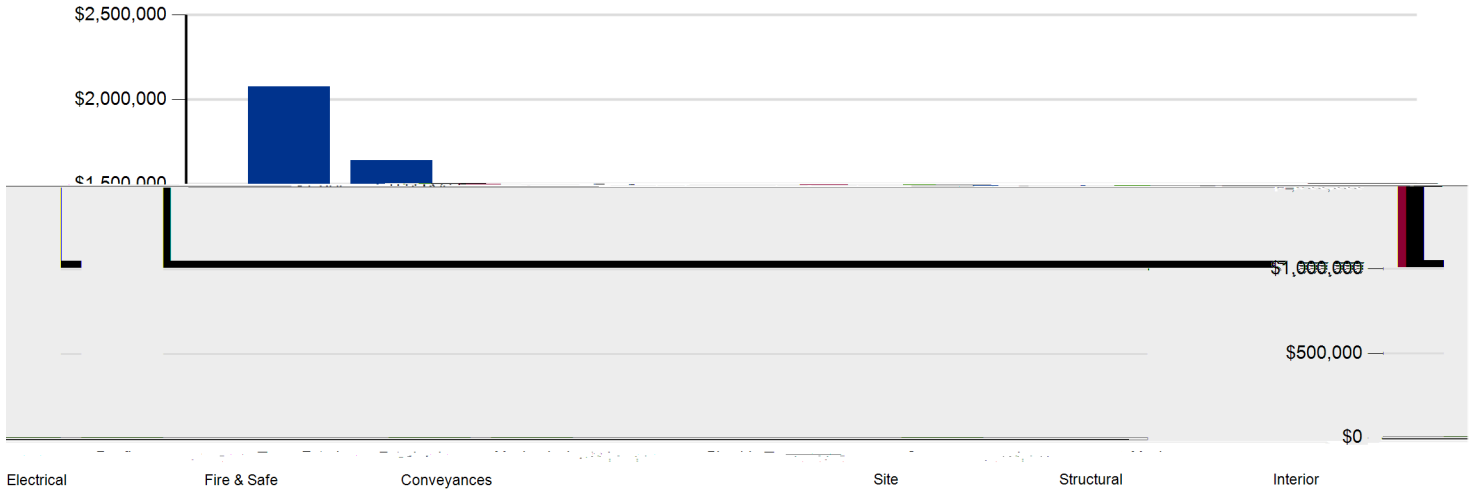
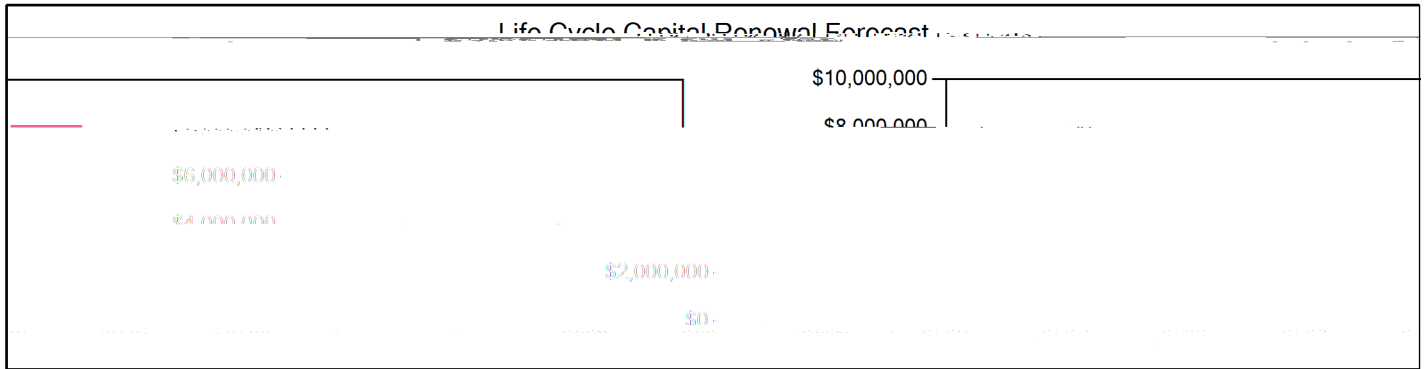


Figure 1: System Deficiencies



Table 3b: Capital Renewal Forecast (Yrs 6-10)

Facility Condition Assessment Score



# Murchison MS - Deficiency Summary

## Site Level Deficiencies

### Site

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Asphalt Driveway Replacement	Capital Renewal	6,900	SF	3	\$44,370	4651
Concrete Walks Replacement	Capital Renewal	500	SF	3	\$5,664	4652
Tennis Courts, Nets, And Equipment Replacement	Capital Renewal	2	Ea.	4	\$148,556	4650
PROGRAM DEFICIENCIES	ADA Compliance	533,241	EACH	5	\$915,565	4662
PUBLIC DEFICIENCIES	ADA Compliance	261,447	EACH	5	\$448,899	4661
TAS ACCESSIBILITY DEFICIENCIES	ADA Compliance	299,498	EACH	5	\$514,232	4663
	<b>Sub Total for System</b>	<b>6</b>	<b>items</b>		<b>\$2,077,286</b>	
	<b>Sub Total for School and Site Level</b>	<b>6</b>	<b>items</b>		<b>\$2,077,286</b>	

## Building: 052A - Main building includes Administration Offices, Classrooms, Cafeteria, & Gym.

### Roofing

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
AISD ROOFING P1	Capital Renewal	1,020,107	EACH	1	\$1,072,848	4664
AISD ROOFING P3	Capital Renewal	241,611	EACH	1	\$254,103	4665
AISD ROOFING P4	Capital Renewal	299,498	EACH	1	\$314,982	4666
	<b>Sub Total for System</b>	<b>3</b>				

## Buildings with no reported deficiencies

052C - Storage Building

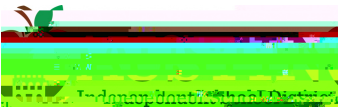
052D - Greenhouse

052E - Stand-Alone 3 story classroom



## Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
HVAC Air Distribution	Roof Top Unit - DX Gas (10 Ton)	3	Ea.	\$72,708	4
Heat Generation	Boiler - Steel Tube (2400 MBH)	2	Ea.	\$200,293	5
Heating System Supplementary Components	Controls - DDC (Bldg.SF)	108,224	SF	\$291,904	5
Facility Hydronic Distribution	4-Pipe System	108,224	SF	\$261,867	5
HVAC Air Distribution	AHU 2,000 CFM Interior	5	Ea.	\$145,072	5
HVAC Air Distribution	AHU 2,000 CFM Interior	5	Ea.	\$145,072	5
Exhaust Air	Roof Exhaust Fan - Large	3	Ea.	\$24,109	5
Exhaust Air	Interior Ceiling Exhaust Fan	1	Ea.	\$487	5
HVAC Air Distribution	Ductwork (Bldg.SF)	108,224	SF	\$856,316	6
Central Cooling	Chiller - Indoor Water Cooled (300 ton)	1	Ea.	\$366,479	8
Central Cooling	Chiller - Outdoor Air Cooled (300 Tons)	2	Ea.	\$551,435	10
<b>Sub Total for System</b>		<b>21</b>	<b>items</b>		



## Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	15,796	SF	\$65,778	5
Interior Swinging Doors	Metal Door (Steel)	24	Door	\$69,452	5
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	15,796	SF	\$53,339	6
Interior Door Supplementary Components	Door Hardware	24	Door	\$35,631	8
Compartments and Cubicles	Toilet Partitions	6	Stall	\$12,099	10
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>	<b>\$402,260</b>	

## Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Facility Hydronic Distribution	Pump - 5HP	1	Ea.	\$6,850	3
Decentralized Cooling	Condenser - Outside Air Cooled (8 Tons)	3	Ea.	\$34,759	5
HVAC Air Distribution	Energy Recovery Unit (2,000 CFM)	2	Ea.	\$29,705	5
Facility Hydronic Distribution	4-Pipe System	16,627	SF	\$40,232	5
Heat Generation	Boiler - Steel Tube (1200 MBH)	1	Ea.	\$54,285	8
Heat Generation	Heat Exchanger - Water to Water	1	Ea.	\$32,126	8
Heating System Supplementary Components	Controls - DDC (Bldg.SF)	16,627	SF	\$44,847	8
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>	<b>\$242,803</b>	

## Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Electrical Service	Transformer (45 KVA)	1	Ea.	\$5,919	5
Electrical Service	Transformer (30 KVA)	2	Ea.	\$11,038	5
Lighting Fixtures	Building Mounted Fixtures (Ea.)	4	Ea.	\$3,607	8
Lighting Fixtures	Canopy Mounted Fixtures (Ea.)	2	Ea.	\$4,166	10
Lighting Fixtures	Light Fixtures (Bldg SF)	16,627	SF	\$304,915	10
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>	<b>\$329,645</b>	

## Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 30 gallon	1	Ea.	\$3,652	5
Domestic Water Piping	Domestic Water Piping System (Bldg.SF)	16,627	SF	\$59,753	5
Sanitary Sewerage Piping	Sanitary Sewer Piping	16,627	SF	\$18,460	5
Plumbing Fixtures	Restroom Lavatory	7	Ea.	\$19,014	5
Plumbing Fixtures	Sink - Service / Mop Sink	1	Ea.	\$796	5
Plumbing Fixtures	Toilets	8	Ea.	\$40,475	5
Plumbing Fixtures	Urinals	3	Ea.	\$4,063	5
Plumbing Fixtures	Refrigerated Drinking Fountain	2	Ea.	\$4,405	5
Domestic Water Equipment	Gas Piping System (BldgSF)	16,627	SF	\$576,546	10
<b>Sub Total for System</b>		<b>9</b>	<b>items</b>	<b>\$727,163</b>	

## Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	16,627	SF	\$26,401	9
Fire Detection and Alarm	Fire Alarm Panel	1	Ea.	\$6,868	9
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>	<b>\$33,269</b>	

## Specialties

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Casework	Lockers	250	Ea.	\$133,186	5
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>	<b>\$133,186</b>	
<b>Sub Total for Building 052B - Stand-Alone Classroom Building</b>		<b>34</b>	<b>items</b>	<b>\$2,023,252</b>	

## Building: 052C - Storage Building

### Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Entrance Doors	Steel - Insulated and Painted	5	Door	\$18,535	1
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>	<b>\$18,535</b>	

### Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Wall Painting and Coating	Painting/Staining (Bldg SF)	367	SF	\$1,644	4
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>	<b>\$1,644</b>	

## Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	367	SF	\$583	9
			<b>1 items</b>	<b>\$583</b>	
			<b>3 items</b>	<b>\$20,762</b>	

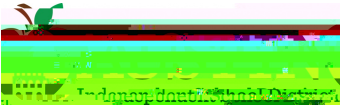
**Sub Total for System**

**Sub Total for Building 052C - Storage Building**

## Building: 052D - Greenhouse

### Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Wall V706.814 Td (Remaining Life)					



General Site Photos

