

Appendix D

2016 Field House Capital Investment Summary

TRADE/ITEM	HIGH PRIORITY	FUTURE REPAIRS - BUDGET 3 TO 10 YEARS	GOOD CONDITION	COMMENTS/DESCRIPTION
Fieldhouse- Built 1928, Partial Remodel 1980, 2003, 2016				
PLUMBING				
Grease Inteceptor				None - concession stands do not have grease operations
Domestic Water Heater				None - water from stadium system
Water softner				None - soft water from stadium system
Drain Tile Ejector				None - low water table
Sanitary Piping		\$50,000.00		Potential issue with sanitary line in SW corner has drop in it.
Storm Piping				
Hot/Recirc Water Piping				
Cold Water Piping				Cold water from kellner hall system
Faucets				
Sinks/Urinals/Toilets				Volleyball new 2016, shares toilets with stadium
Site Storm Drainage				
Water Fountains				(3) units, ADA
FIRE PROTECTION				
Controls				
Piping				
Sprinkler internal rooms	\$50,000.00			This is required based on the 1998 letter to Athletics noting that all internal spaces and storage areas would be sprinklered. (2) storage areas and (13) rooms
Complete sprinkler system		\$400,000.00		
Fire Pump				None- service from stadium system
Standpipes	\$70,000.00			Valves and 2in piping is to small. Fire dept has overlooked this
Heads	\$10,000.00			Interior rooms have old heads from the 80's.
HVAC				
Steam/Water Heat Exchanger				Shared with stadium system
Hot Water Piping				
Electronic/Pneumatic controls				
DDC Controls		\$45,000.00		Has N2 system that needs upgrade.
Smoke and Fire dampers				
Temp Control Air compressor				Campus system
Radiation/Cabinet Htrs/Fan coil/FTR		\$100,000.00		(18)steam reheat coils at perimeter are starting to leak. Control tubing is bad and valves are old.
VAV Box and Reheat coil				New at womens locker 2016
Kitchen hood exhaust				None in concession stands
Supply/Return Ductwork/Insulation				
Room air conditioner				Small 1ton DX units for IT rooms
Chilled water pumps				None - campus chilled water service
Chilled Water Piping				
Condensate Pump and Receiver				None - uses pumps in kellner mech room
Steam Piping		\$150,000.00		Bad shape. Leaks starting. Demo and replace with hot water system
Condensate Piping/Traps	\$10,000.00			Bad shape. Leaks starting. Need maintenance plan for traps. Convert to hot water system.
Add cooling coils to the three AHU		\$300,000.00		Provide air conditioning to fieldhouse
AHU-3A Arena				Installed 2004. 44,000cfm, CV/HW/Econ. Has space for cooling coil.
AHU-3B Arena				Installed 2004. 44,000cfm, CV/HW/Econ. Has space for cooling coil.
AHU-8 Arena				Installed 2004. 44,000cfm, CV/HW/Econ. Has space for cooling coil.
AHU-36 Womens locker				New 2016, 5000cfm, VAV/HW/CW/Econ.
Add AHU	\$250,000.00			Add (2) new AHU to serve (8) interior spaces. Rooms use WAC's with no outdoor air.
Roof Exhaust Fans	\$375,000.00			Installed 1980, (6) fans need to be replaced. 30,000cfm each. Review VFD control.
Exhaust Ductwork				
Toilet exhaust fans				
ARCHITECTURAL				
Roof- main				Tile roof installed 1980, removed the skylight and roof vents
Roof- sides and gutter		\$150,000.00		EPDM needs to be replaced, installed 1980?? Gutter and parapet work needed.
Exterior Wall	\$500,000.00			Tuckpointing is needed. Last done 1995, mortar does not match and not done well.
Exterior Caulking	\$20,000.00			
Repair stone trim wall masonry	\$800,000.00			Stonework is actually a glazed clay product called-Faience. It is cracked and broken and needs to be replaced.
Fire stopping				
Windows	\$ 1,250,000.00			Single pane glass, metal frames, asbestos caulking
Interior finishes		\$25,000.00		Acoustic panels on north/south are falling off

CAPITAL INVESTMENT SUMMARY-2016

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Exterior Doors	\$10,000.00			Metal doors 2004. Paint wood frames
Interior Doors				
Structure		\$200,000.00		There are vertical stress cracks in the five bays on the north and south wall. Need to add horizontal purlins to the wall connected to the vertical trusses to stabilize the wall.
Foundation Walls				
Mechanical Rooms				
Toilet rooms				Shared with stadium
upper deck	\$300,000.00			Issues with exiting/railings/kickplates/etc
Landscape				
Site Conditions-Sidewalks/fences/etc	\$10,000.00			Exits at grade have asphalt ramps that do not meet ADA.
Parking lot				
Retaining wall replacement		\$300,000.00		Wall at the south east side at the sidewalk. Will need to support utilities in the area. Wall was built in the 60's??
ELECTRICAL				
Electrical Service				
Service Main Gear		\$20,000.00		Add new equipment and remove abandon equipment
Emergency Generator				Uses Stadium Generator
Transfer Switches		\$5,000.00		Replace FH-ATS-ELA
Emergency Main Gear		\$10,000.00		Remove old equipment and clean up wiring
Normal Power Distribution and Branch Panels		\$50,000.00		Old panels need replacement. No breaker space for future.
Emerg. Power Distribution and Branch Panels		\$5,000.00		Old panels need replacement. No breaker space for future.
Lighting		\$150,000.00		Replace Sports Lighting and House Lighting - LED
Lighting- Offices/concession rooms		\$50,000.00		Replace to LED type
Controls		\$25,000.00		New sports lighting controller
Exit Signs				
Emergency Egress Lighting		\$20,000.00		Upgrade to LED/Replace old fixtures
Exterior Decorative Lighting		\$15,000.00		Add additional light fixtures.
Paging System				
Security Systems Card Access				
Security Systems Cameras				
Tele/Data System				
Fire Alarm System		\$25,000.00		Upgrade devices, add strobes.
TOTALS	\$3,655,000.00	\$2,095,000.00	0.00	