

**Willow Bend School**  
**Top 10 Urgent Safety Items**

Bldg	Priority	Location	Rule Violated	Description of the Violation	Recommendation to Correct Violation	Quantity	Cost/Unit	Estimated Cost	Category
WB	A (Urgent)	Entire Building	Recommended 175.470 BOCA-F 503.5	The existing fire alarm is obsolete and inadequate. System is not expandable to accept additional zones, audio and visual signaling devices.	Replace entire system and all components with new code approved fire alarm system. Replacement is recommended. Parts for repair are not available. System has been discontinued.	1	\$112,000/LS	\$112,000	Electrical
WB	A (Urgent)	Throughout Building	IDPH 890.1210(a)	Existing stainless steel pipe risers are deteriorating. Hot and cold stainless steel piping is deteriorating and is no longer capable of sustaining potable water at required pressures.	Replace old piping with copper piping and provide new ball valves for adequate shut-off.	1	\$110,000/EA	\$110,000	Plumbing
WB	A (Urgent)	Throughout Building	IDPH 890.1210(a)	Existing underfloor copper piping is deteriorating. Cold underfloor copper piping is deteriorating and is no longer capable of sustaining potable water at required pressures.	Replace old piping with copper piping and provide new ball valves for adequate shut-off.	1	\$80,000/EA	\$80,000	Plumbing
WB	A (Urgent)	Classroom 141; Corridor C102; Corridor C108; Sprinkler 118; Jan. 202; Stor/JC 215; Room(next to Elev. Behind Stair S101)	PM 704.1,704.2	Doors are not in good operating condition, do not close/latch properly is ineffective as a barrier to resist the movement of smoke.	Adjust and repair doors, frames and hardware. Replace if they cannot be repaired.	(3) Double Doors (4) Single Doors	---	\$59,300	Fire-Protection
WB	A (Urgent)	Entire Original School Bldg.	175.260.d	Walls do not extend to deck/missing firesafing insulation that compromise the fire resistance rating of the walls.	Infill masonry and/or fire safe to the wall openings to provide proper fire-rating.	General Original School	---	\$50,600	Fire-Protection
WB	A (Urgent)	Classroom(s) 127; 129; Corridor C108; Corridor C107; Corridor C109; Cafeteria 121	PM 305.3	Sagging, deteriorated ceiling tiles.	Replace.	6536	\$5.48/SF/LF	\$35,800	Architectural Maint./Repair
WB	A (Urgent)	Entire Building	175.480b BOCA-F 610.1	Inadequate/old emergency lighting units along path of egress.	Provide new and/or replace existing emergency lighting unit.	44	\$770/EA	\$33,900	Electrical

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WB	A (Urgent)	Conference Room 224	175.510, 175.574	This room does not have any heating system in this space. Occupants do not have outside air provided to the space by a mechanical ventilation system.	Provide a mechanical ventilation system that will deliver heating and conditioned outside air.	1	\$30,000/EA	\$30,000	Mechanical
WB	A (Urgent)	PE office 113A	BOCA 403.2	Occupants do not have outside air provided to the space by a mechanical ventilation system.	Provide a mechanical ventilation system that will deliver heating and conditioned outside air.	1	\$15,000/EA	\$15,000	Mechanical
WB	A (Urgent)	Stor/Kiln 226A	175.285a)	Improper fire resistance rating.	Make all walls fire rated to meet code.	1	\$12,900/LOC	\$12,900	Fire-Protection

**Subtotal Urgent Top 10: \$539,500 10%**

Other Urgent: 91,350 2%

Required: 3,540,100 66%

Recommended: 655,650 12%

Beyond Life Safety: 560,000 10%

**TOTAL: \$5,386,600 100%**

**Priority**

A. Urgent ("immediate hazard to the safety of students"): Must be corrected as soon as achievable within one year.

B. Required: Must be corrected within five years.

C. Recommended: These items are not required by code.