

Petersburg School District District Wide Identified Scope of Work Can be Accomplished Locally		Estimated Product Cost	Estimated Other (general, overhead, profit, contingency)	Estimated Total Cost	Notes
ELEMENTARY	Piling & Pile Cap, E1 Add pile to beam connectors and support floor beams in out-of plane direction	\$10,000	\$13,328	\$23,328	In-House or Local Contract
ELEMENTARY	Under Building Drainage, E2 Direct water out from under the building by installing a sump pump to assist with drainage to the existing culvert.	\$2,710	\$3,608	\$6,318	Local Contract
ELEMENTARY	Under Building Drainage, E2 Redesign building skirting to promote cross ventilation. Code Deficiency*	\$10,000	\$13,332	\$23,332	In-House
ELEMENTARY	Exterior Walls, E10 Install 221 sq ft of venting in crawl space skirting boards.	\$4,862	\$6,588	\$11,450	In-House or Local Contract
MMS/PHS	Stair Structure, MH9 Repair crumbling steps at Middle School main entrance.	\$5,000	\$6,664	\$11,664	Local Hire
MMS/PHS	Light Fixtures, MH46 Provide emergency lights in all classrooms, restrooms, mechanical spaces, electrical spaces, at the exterior egress, and halls where not currently installed, but required. Provide raceway and branch circuitry and connect to unswitched leg of area lighting circuitry. Code Deficiency	\$36,000	\$47,914	\$83,914	Local Contractor
MMS/PHS	Light Fixtures, MH46 Provide additional exit signs where required. Code Deficiency	\$5,500	\$7,382	\$12,882	In-House & Local Contractor
MMS/PHS	Light Fixtures, MH46 Provide additional LED light fixtures with battery backups outside each exterior door.	\$7,700	\$10,200	\$17,900	In-House & Local Contractor
DISTRICT	Light Fixtures, D29 Remove and replace all emergency lights with new emergency lights.	\$3,750	\$5,000	\$8,750	In-House
DISTRICT	Light Fixtures, D29 Provide emergency lights in Conference 104, Secretarial 105, in mechanical and electrical spaces, and at the exterior egress and other rooms, areas, and halls where not currently installed, but required. Prove raceway and branch circuitry and connect to unswitched leg of area lighting circuitry.	\$5,000	\$6,666	\$11,666	In-House
DISTRICT	Light Fixtures, D29 Remove and replace all expired self-luminous exit signs with new UL listed self-luminous exit signs or provide new exit signs with 120 volt power and internal battery packs with new branch circuitry connected to the area's local lighting circuit. Properly dispose of existing self-luminous exit signs.	\$700	\$932	\$1,632	In-House
DISTRICT	Light Fixtures, D29 Provide new emergency exterior lighting fixtures.	\$3,200	\$4,269	\$7,469	In-House
VO-TECH	Light Fixtures, T38 Provide emergency lighting in the classroom and car shop. Code Deficiency (contractor) *not sure how many?*	\$18,000	\$23,972	\$41,972	
VO-TECH	Light Fixtures, T38 Provide additional emergency lighting fixtures in the shops and classroom as needed to provide the required illumination levels and uniformity ratio on the path of egress. Code Deficiency (contractor)	\$8,000	\$10,649	\$18,649	
VO-TECH	Light Fixtures, T38 Provide additional LED light fixtures, in new locations on the exterior of the building, to provide additional illumination to provide a sense of security. Code Deficiency	\$7,000	\$9,334	\$16,334	Local Contractor

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ELEMENTARY	Light Fixtures, E40 Provide emergency lights in the classrooms that do not have any, in the electrical and mechanical spaces, and at the exterior egress and other rooms, areas, and halls where not currently installed, but required. Code Deficiency	\$18,000	\$23,984	\$41,984	Local Contract
SITE	Play Structure C6 Reattach the play structure to the foundation elements	\$5,000	\$6,664	\$11,664	Summer Maintenance
SITE	Site Furnishing and Equipment C5 Remove and dispose metal bench Install new metal bench	\$1,360	\$1,800	\$3,160	Summer Maintenance
ELEMENTARY	Devices and Connections, E42 Remove and replace the circuit breaker supplying power to the kitchen range with a new circuit breaker with ground fault protection. Code Deficiency	\$500	\$636	\$1,136	In-House
ELEMENTARY	Devices and Connections, E42 Remove and replace all receptacles throughout the building with new listed tamper-resistant type 20 amp 120 Volt receptacles.	\$33,000	\$44,033	\$77,033	In-House
ELEMENTARY	Devices and Connections, E42 Remove and replace all device covers at the receptacles located outdoors with new metallic, extra duty rated, weather proof while -in-use covers. Code Deficiency	\$1,750	\$2,334	\$4,084	In-House
ELEMENTARY	Devices and Connections, E42 Remove and replace all receptacles in mechanical and electrical rooms and spaces, with new 20 Amp 120 Volt GFCI tamper-resistant types receptacles. Code Deficiency	\$2,800	\$3,713	\$6,513	In-House
ELEMENTARY	Devices and Connections, E42 Remove and replace the non-GFCI receptacles within 6' of the sinks and on the exterior of the building with new 20 Amp 120 Volt GCI tamper-resistant type receptacles.	\$8,000	\$10,610	\$18,610	In-House
ELEMENTARY	Devices and Connections, E42 Provide red identification marking at the circuit breaker supplying power to the fire alarm system. Code Deficiency	\$50	\$64	\$114	In-House
ELEMENTARY	Devices and Connections, E42 Provide a lock-on type device at the circuit breakers supplying power to the fire alarm system.	\$210	\$318	\$528	In-House
ELEMENTARY	Conduit & Feeders, E39 Replace damaged feeders in Panel M3, Grounding to panel M3.	\$2,750	\$3,665	\$6,415	Local Contract
DISTRICT	Devices & Connectors, D32 Remove and replace all receptacles located outdoors with new listed weather-resistant, ground fault type circuit interrupter type 20 Amp 120 Volt receptacles. Code Deficiency	\$1,000	\$1,333	\$2,333	In-House
DISTRICT	Devices & Connectors, D32 Remove and replace all device covers at the receptacles located outdoors with new metallic, extra duty rated, waterproof while-in-use covers. Code Deficiency	\$500	\$666	\$1,166	In-House

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DISTRICT	Devices & Connectors, D32 Remove and replace on-GFCI receptacle in the kitchen with new 20 Amp 120 Volt GFCI type receptacles. Where receptacles are not located in readily accessible locations, remove and replace the circuit's supplying circuit breaker with a new 20 Amp 120 Volt GFCI type circuit breaker. Code Deficiency	\$700	\$933	\$1,633	In-House
DISTRICT	Devices & Connectors, D32 Remove and replace all receptacles in mechanical and electrical rooms and spaces with new 20 Amp 120 Volt GFCI type receptacles. Code Deficiency	\$500	\$666	\$1,166	In-House
DISTRICT	Devices & Connectors, D32 Remove extension cords and provide new receptacles with raceway and branch circuitry back to and connected to new circuit breakers in the panelboard. Code Deficiency	\$750	\$999	\$1,749	Contractor
VO-TECH	Devices & Connections, T41 Provide conduit knockout seals for all unused openings on panels and junction boxes. Code Deficiency	\$2,000	\$2,666	\$4,666	In-House
VO-TECH	Devices & Connections, T41 Install covers for all junction boxes. Code Deficiency	\$1,000	\$1,318	\$2,318	In-House
VO-TECH	Devices & Connections, T41 Replace duplex receptacle in the shop areas with tamper resistant GFCI receptacles and all receptacles in the classroom should be replaced with tamperproof receptacles. Code Deficiency	\$15,000	\$19,986	\$34,986	In-House
VO-TECH	Devices & Connections, T41 Remove extension cords and provide new receptacles with raceway and branch circuitry back to and connected to new circuit breakers in the panelboards. Code Deficiency	\$2,000	\$2,666	\$4,666	Local Contractor
VO-TECH	Light Fixtures, E40 Test all existing emergency lights and exit signs for proper operation and replace batteries and fixtures where needed. Code Deficiency	\$2,000	\$2,673	\$4,673	In House * Already occurring
MMS/PSH	Power Overview, MH49 Replace duplex receptacle into tamper resistant outlets throughout school. Code Deficiency	\$90,000	\$119,952	\$209,952	In-House
MMS/PSH	Power Overview, MH49 Replace exterior duplex receptacle into weatherproof, GFCI duplex receptacle Code Deficiency	\$3,500	\$8,164	\$11,664	In-House
MMS/PSH	Power Overview, MH49 Replace mechanical and electrical room duplex receptacle into GFCI receptacle Code Deficiency	\$8,750	\$11,721	\$20,471	In-House
MMS/PSH	Power Overview, MH49 Install permanent name plate at equipment disconnect identifying load it controls and where it is supplied from. Code Deficiency	\$5,000	\$5,000	\$10,000	In-House
MMS/PSH	Lighting Controls, MH47 Replace all damaged switch cover plates and repair or replace malfunctioning occupancy sensors to ensure optimal performance. Code Deficiency	\$16,129	\$21,469	\$37,598	In-House
MMS/PSH	Lighting Controls, MH47 Relocate storage racks obstructing occupancy sensor switches or install ceiling mounted occupancy sensors in combination with existing wall-mounted switches to enhance detections accuracy. Code Deficiency	\$210	\$280	\$490	In-House

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ELEMENTARY	Main Floor, E3 Cut deterioration from glulam beams and treat.	\$3,000	\$3,998	\$6,998	* Aaron will take a look at this to determine work level involved.
ELEMENTARY	Main Floor, E3 Protect remainder of glulam beams that extend beyond the building envelope and add intermediate framing where necessary, depending on extent and rot that must be removed	\$5,000	\$6,664	\$11,664	* On north end of building closest playground/garden
DISTRICT	Fire Alarm, D38 Remove fire alarm or install a new fire alarm compliant with NFPA Code Deficiency	\$6,300	\$8,397	\$14,697	In-House
SITE	Water System C8/ Sanitary Sewer C9 Replace insulated enclosure around water and sewer line at Voc-Ed building	\$2,500	\$3,332	\$5,832	In-House
VO-TECH	Plumbing Fixtures, T21 Remove, replace, and relocate interior hose bibb to facilitate repair of interior face of exterior wall and prove appropriate backflow protection. Code Deficiency	\$1,250	\$1,673	\$2,923	
VO-TECH	Plumbing Fixtures, T21 Remove and replace exterior hose bibb.	\$1,650	\$2,159	\$3,809	
VO-TECH	Plumbing Fixtures, T21 Provide dedicated emergency eyewash (x4) meeting UPC requirements.	\$8,200	\$10,975	\$19,175	Local Contractor
VO-TECH	Plumbing Fixtures, T21 Clean and remove wood shavings and dust that has accumulated in the wood shop area floor drains and associated waste piping. Provide floor drain covers to serve floor drains. Code Deficiency	\$300	\$396	\$696	
VO-TECH	Plumbing Piping, T22 Remove and reconfigure water meter piping to provide proper piping layout with bypass.	\$1,000	\$1,331	\$2,331	Local Contractor & Borough
VO-TECH	Plumbing Piping, T22 Remove and replace piping insulation that is in poor condition and provide new insulation on piping not currently provided with insulation.	\$5,000	\$6,657	\$11,657	In-House
VO-TECH	Plumbing Piping, T22 Provide hot water circulation piping to serve toilet rooms and handwash sinks to reduce wait time for water heater.	\$7,500	\$9,996	\$17,496	Local Contractor
DISTRICT	Plumbing Piping, D19 Reconfigure water service piping to provide proper layout with bypass.	\$1,000	\$1,332	\$2,332	Local Hire
DISTRICT	Plumbing Piping, D19 Remove and replace cold water piping insulation in the crawlspace with a more suitable material and protective jacket; closed cell foam type insulation or similar.	\$2,000	\$2,664	\$4,664	Local Hire
DISTRICT	Plumbing Piping, D19 Replace water meter and the electrical connections	\$1,000	\$1,332	\$2,332	Petersburg Borough
DISTRICT	Plumbing Equipment, D20 Provide listed tempering valve to serve water heater. Code Deficiency	\$1,000	\$1,329	\$2,329	Aaron will look into the tempering valve. In-house
DISTRICT	Plumbing Equipment, D20 Provide floor drain to serve water heater drain pan. Code Deficiency	\$750	\$1,002	\$1,752	Contractor
DISTRICT	Waste & Vent Piping, D21 Remove and reroute underground water and/or sewer service piping to maintain 10-foot clearance between services per UPC requirements.	\$10,000	\$13,328	\$23,328	Contractor

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MMS/PHS	Plumbing Equipment, MH31 BASEMENT MECHANICAL ROOM Replace pressure relief valve serving hot water generator.	\$300	\$396	\$696	In-House
MMS/PHS	Plumbing Equipment, MH31 MECHANICAL 301 Reset/adjust hot water supply temperature set points on how water system equipment to provide 120-degree of hot water downstream of the tempering valve.	\$150	\$198	\$348	In-House
MMS/PHS	Plumbing Equipment, MH31 MECHANICAL 301 Repair leak on hot water generator piping.	\$700	\$930	\$1,630	In-House
ELEMENTARY	Plumbing Fixtures, E23 Replace P-trap serving the sink located in the Teacher's Lounge.	\$110	\$144	\$254	In-House or Local Contract
ELEMENTARY	Plumbing Fixtures, E23 Provide insulation on lavatory sink traps and exposed hot/cold water supplies.	\$2,700	\$3,596	\$6,296	In-House or Local Contract
ELEMENTARY	Plumbing Equipment, E25 Provide air gap fitting to serve dishwasher drain	\$150	\$196	\$346	In-House
ELEMENTARY	Plumbing Equipment, E25 * Provide seismic restraint system to serve hot water generators and associated expansion tank. \$692	\$300	\$392	\$692	In-House
ELEMENTARY	Plumbing Equipment, E25 Replace broken hot water generator aquastate.	\$250	\$330	\$580	In-House
ELEMENTARY					
ELEMENTARY	Data & Communication, E45 Replace the batteries in the existing UPS supplying power to the telecom rack. Code Deficiency	\$3,000	\$3,996	\$6,996	Jon is already working on some of this.
ELEMENTARY	Data & Communication, E45 Provide a network card to the existing UPS so that it can be remotely monitored. Code Deficiency	\$1,500	\$1,998	\$3,498	Jon is already working on some of this.
ELEMENTARY	Data & Communication, E45 Install a new larger floor mount telecommunication rack to allow for easier access and space for upgradability Code Deficiency	\$1,200	\$1,595	\$2,795	Jon is already working on some of this.
DISTRICT	Data & Communications, D35 Replace or repair the existing UPS	\$2,000	\$2,666	\$4,666	In-House
DISTRICT	Security Systems, D36 *If vandalism or burglary is a concern, install a building intrusion detection system, with door contacts, glass break sensors, motion sensors, sirens, and a dialer to monitor and alert of a break in. * Provide additional exterior cameras to provide coverage for all walkways around the building. * Provide additional interior cameras to provide coverage for all hallways in the building.	\$10,700	\$14,261	\$24,961	In-House
MMS/PHS	Data & Communication, MH52 Replace the batteries in the existing UPS supplying power to the telecom rack. Code Deficiency	\$3,000	\$3,998	\$6,998	In-House
MMS/PHS	Data & Communication, MH52 Provide a network card to the existing UPS so that it can be remotely monitored. Code Deficiency	\$1,500	\$1,963	\$3,463	Jon is already working on a lot of this
MMS/PHS	Data & Communication, MH52 Install additional telecommunication outlets in the classrooms as required for computers and equipment. Code Deficiency	\$22,500	\$29,988	\$52,488	Jon is already working on a lot of this

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MMS/PHS	Data & Communication, MH52 Install additional wireless access points in larger rooms and common areas throughout the building. Code Deficiency	\$6,300	\$8,397	\$14,697	Jon is already working on a lot of this
MMS/PHS	Data & Communication, MH52 Relocate existing switches into the centralized telecommunication room and pull new category 6 cable to the existing jacks. Code Deficiency	\$40,324	\$40,324	\$80,648	Jon is already working on a lot of this
MMS/PHS	Security System, 53 Install a building intrusion detection system, with door contacts, glass break sensors, motion sensors, sirens, and a dialer to monitor and alert of a break in.	\$120,971	\$161,230	\$282,201	This is completed as identified as a need throughout the year.
MMS/PHS	Security System, 53 Install exterior CCTV cameras (25)	\$25,000	\$33,320	\$58,320	In-House
MMS/PHS	Security System, 53 Install interior CCTV cameras (35)	\$35,000	\$46,648	\$81,648	In-House
VO-TECH	Data & Communications, T44 Provide a new UPS to supply the telecom rack to reduce brown outs, so that when there is a loss of power, existing systems can be properly shut down. Code Deficiency	\$1,000	\$1,332	\$2,332	Jon- In-House
VO-TECH	Data & Communications, T44 Install a new larger floor mount telecommunication rack to allow for easier access and space for expandability. Code Deficiency	\$1,200	\$1,601	\$2,801	Jon- In-House
VO-TECH	Data & Communications, T44 Install additional telecommunication outlets in the classroom as required for computers and equipment. Code Deficiency	\$2,000	\$2,664	\$4,664	Jon- In-House
VO-TECH	Security Systems, T45 If vandalism or burglary is a concern, install a building intrusion detection system, with door contract, glass break sensors, motion sensors, sirens, and a dialer to monitor and alert for a break in.	\$13,125	\$17,480	\$30,605	In-House
VO-TECH	Security Systems, T45 Provide additional exterior cameras to provide coverage for all walkways around the building.	\$4,000	\$5,324	\$9,324	In-House
VO-TECH	Security Systems, T45 Provide additional interior cameras to provide coverage for all areas where shop equipment is stored or used.	\$8,000	\$10,648	\$18,648	In-House
ELEMENTARY	Exterior Walls, E10 Siding is cracked at the outside wall of Hallway 105B. Repair siding to prevent water intrusion into exterior wall assembly.	\$12,300	\$16,286	\$28,586	In-House or Local Contract
ELEMENTARY	Fascias & Soffits, E11 Monitor and repaint areas of fascia and soffits. Paint is starting to peel from sections of fascia at the MPR.	\$2,500	\$3,332	\$5,832	In-House. Is part of the annual preventative maintenance program.
ELEMENTARY	Canopy Roofs, E7 Tie south canopy to the elementary building to prevent separation and collapse during a seismic or wind event.	\$2,000	\$2,713	\$4,713	Need more information from LCG re: tie south canopy. But likely in-house or local hire
ELEMENTARY	Stair Structure, E8 Replace stairs and landings/decks at north corridor entry, stairs from Hallway 105B, and stairs out of Classroom 15. *Code Deficiency*	\$17,500	\$23,324	\$40,824	In-House or Local Contract

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ELEMENTARY	Stair Railings, E9 Replace stair railings with code compliant handrail and guardrail *Code Deficiency*	\$22,320	\$29,748	\$52,068	In-House or Local Contract
MMS/PHS	Seating, MH27 Repair broken Auditorium chairs with manufacturer's replacement parts. Folding mechanisms and brackets are starting to break down. <i>Administration recommends a full replacement of auditorium seating. ~\$80,000</i>	\$20,000	\$46,656	\$66,656	Recommend full replacement- working with community partners such as Petersburg Arts Council, Rasmussussen, etc.
ELEMENTARY	Fuel Supply (Gas & Oil), E34 * Remove and relocate fuel oil tank to meet NFPA 30 clearance requirements. * Remove underground fuel oil piping to replace with NFPA 30 compliant double wall piping. * Provide isolation valve on fuel oil supply at fuel oil tank. * Provide flexible connector on fuel oil supply for seismic restraint. * Excavate and backfill trench, including marking tape. Code Deficiency	\$7,080	\$9,433	\$16,513	Local Contract
ELEMENTARY	Fuel Supply (Gas & Oil), E34 * Provide concrete housekeeping pad for propane tank. * Remove and reinstall propane tank. * Provide tank with seismic restraint. Code Deficiency	\$4,550	\$5,961	\$10,511	In-House
ELEMENTARY	Fuel Supply (Gas & Oil), E34 Remove single stage pressure regulator and replace it with two stage. Code Deficiency	\$275	\$366	\$641	In-House
MMS/PHS	Fire Separation Walls, MH19 * Fire caulk around all metal pipe penetrations. Code Deficiency * Install fire collars around non-metal pipes Code Deficiency * Seal penetrations on both sides of the fire wall Code Deficiency	\$1,125	\$1,499	\$2,624	In-House
VO-TECH	Special Doors, T11 Replace bottom seal on all the overhead doors. Replace jamb weather stripping on all doors.	\$1,170	\$2,796	\$3,966	
VO-TECH	Louvers, Screens & Shading Devices, T12 Remove louvers and infill wall opening to prevent heat loss.	\$625	\$833	\$1,458	
VO-TECH	Personnel Doors, T15 Replace a closer on classroom door into the shop. Install necessary gasketing on the fire door.	\$700	\$933	\$1,633	
ELEMENTARY	Canopy Roofs, E7 Tie south canopy to the elementary building to prevent separation and collapse during a seismic or wind event.	\$2,000	\$2,713	\$4,713	Need more information from LCG re: tie south canopy. But likely in-house or local hire
ELEMENTARY	Conduit & Feeders, E39 Replace damaged feeders in Panel M3, Grounding to panel M3.	\$2,750	\$3,665	\$6,415	Local Contract
SITE	Freestanding Shelters C7 Re-grout existing canopy column bases.	\$5,000	\$6,653	\$11,653	In-House
SITE	Freestanding Shelters C7 Scrape away paint and rust to determine the best way to restore or repair the column base. \$11,653	\$5,000	\$6,653	\$11,653	In-House

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SITE	Freestanding Shelters C7 Prime and paint all structural steel. \$35,046	\$15,000	\$20,045	\$35,045	In-House
SITE	Freestanding Shelters C7 Install adequate connection at the "T" of the walkway canopy. \$11,653	\$5,000	\$6,653	\$11,653	In-House
SITE	Freestanding Shelters C7 Investigate source of roof water intrusion, tighten roof screws \$4,559	\$2,000	\$2,559	\$4,559	In-House
DISTRICT	Stair Structure, D6 Rear deck needs to be replaced with a permanent foundation and framing.	\$10,800	\$14,394	\$25,194	Need to just put concrete footing pads down- in-house
DISTRICT	Piling & Pile Cap, D1 Add pile to beam connectors	\$30,000	\$39,984	\$69,984	Local Hire
DISTRICT	Special Roofs, D5 Install blocking between the trusses at the middle beam support.	\$294	\$387	\$681	In-House
DISTRICT	Main Floor, D2 Relevel the exterior beam lines to prevent the vertical displacement noticed in the floors.	\$7,500	\$9,996	\$17,496	Local Hire
VO-TECH	Floor Finishes, T18 Remove and dispose remaining vinyl flooring at small shop. Code Deficiency The concrete floor finish is wearing off and will need to be repainted in the future to aid in dust control and cleanup.	\$2,033	\$2,710	\$4,743	Aaron will check to see if this is asbestos based but then in-house summer project
VO-TECH	Wall Finishes, T19 All penetrations through walls on north and west walls need to fire caulked and fireblocked to ensure continuity of the system. Replace peg board with drywall at small shop.	\$2,880	\$3,839	\$6,719	
VO-TECH	Ceiling Finishes, T20 Acoustic ceiling tiles in the classroom are stained with water. Replace tiles and monitor leaks	\$750	\$1,000	\$1,750	
MMS/PHS	Main Floor, MH4 Remove wrestling mats and have the floor inspected. "The wrestling mat in the gym has a large hump in the middle of it corresponding with the beam and column line below, indicating that the framing members below have shifted."	\$1,500	\$1,999	\$3,499	We believe it is the OSB board that was put down without enough expansion. Floor should be pulled up and redone. will be costly.
MMS/PHS	Exterior Walls, MH12 Stucco needs patch and repair. When second floor windows in 1985 addition are replaced and raised, stucco needs to be repaired or replaced with more durable material.	\$15,000	\$19,712	\$34,712	Aaron will look to find a temporary patch to address.
MMS/PHS	Floor Finishes, MH22 Repair VCT flooring in the Art room	\$1,500	\$1,999	\$3,499	In-House
MMS/PHS	Floor Finishes, MH22 Repair sections of tile flooring in 1975 building (Locker room 150, Toilet 147.)	\$500	\$666	\$1,166	In-House
MMS/PHS	Floor Finishes, MH22 Install a floor transition strip at the auditorium floor. Code Deficiency	\$500	\$666	\$1,166	In-House
DISTRICT	Ramps, D3 Reconstruct ramp to be code compliant when it reaches end of life. Code Deficiency	\$21,000	\$27,989	\$48,989	Local Hire

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DISTRICT	Stair & Ramp Railings, D7 There is no easy way to retrofit the ramp so when it is reconstructed in the future it needs to be redesigned. Code Deficiency			\$0	Future Work
DISTRICT	Exterior Walls, D8 Replace vinyl siding with more durable material as it reaches the end of its life cycle.	\$46,464	\$61,944	\$108,408	Local Hire
DISTRICT	Ceiling Finishes, D17 Replace tiles as needed (minor roof leak staining on the tile in the Kitchenette)	\$3,381	\$4,507	\$7,888	In-House
MMS/PHS	Plumbing Equipment, MH31 MECHANICAL 301 Secure mezzanine expansion tank with seismic restraint.	\$500	\$594	\$1,094	In-House
MMS/PHS	Fire Protection Sprinklers & Piping, MH39 Install two escutcheon skirts missing in the Band Room	\$200	\$267	\$467	In-House
MMS/PHS	Wall Finishes, MH23 Fix damage to wall tile in Toilet 115 and mission section of tiles in Toilet 215	\$2,000	\$2,666	\$4,666	In-House
MMS/PHS	Ceiling Finishes, MH24 Patch, repair, and paint gypsum board ceiling at storage room 148	\$1,500	\$1,999	\$3,499	In-House
MMS/PHS	Ceiling Finishes, MH24 Repair existing ceiling tile to match existing edges at band room 131	\$2,500	\$3,332	\$5,832	In-House
ELEMENTARY	Heating Equipment, E27 Provide expansion tank with seismic restraint, or replace expansion tank.	\$2,500	\$3,312	\$5,812	In-House
ELEMENTARY	Panels & Motor Control Centers, E37 Install UL-listed handle ties on breakers requiring them, per NEW 240.15(B) and NEC 110.3(B). Code Deficiency	\$20,000	\$26,630	\$46,630	In-House
ELEMENTARY	Light Fixtures E40 Locate the inverter supplying power to the fixtures in the MPR and replace the batteries. Code Deficiency	\$2,500	\$3,313	\$5,813	In-House
ELEMENTARY	Light Fixtures E40 Replace existing fluorescent style fixtures with newer energy efficient LED style fixtures.	\$4,250	\$5,647	\$9,897	In-House
DISTRICT	Waste & Vent Piping, D21 Remove and reroute underground water and/or sewer service piping to maintain 10-foot clearance between services per UPC requirements.	\$10,000	\$13,328	\$23,328	Contractor
DISTRICT	HVAC Equipment, D22 Provide 36"x36" concrete pad to secure outdoor unit, above grade.	\$1,500	\$2,025	\$3,525	In-House
DISTRICT	HVAC Equipment, D22 Provide flexible connectors on refrigerant piping serving the outdoor units (contractor)	\$1,500	\$2,025	\$3,525	Contractor
DISTRICT	HVAC Equipment, D22 Field investigate and install wall mounted controller to serve indoor unit	\$1,000	\$1,332	\$2,332	Contractor
DISTRICT	HVAC Distribution Systems, D23 Provide insulation on refrigerant piping inside the building per the manufacturer's installation instructions.	\$5,000	\$6,664	\$11,664	in-house *not a big priority*
MMS/PHS	Light Fixtures, MH46 Replace existing fluorescent style fixtures with newer energy efficient LED style fixtures. (Boiler room and mechanical room)	\$42,500	\$56,638	\$99,138	In-House

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MMS/PHS	Foundation Walls, MH2 Install adequate reinforcing around the cut opening and ensure that the opening width is capable of handling auditorium load requirements.	\$3,000	\$3,998	\$6,998	Local Hire
VO-TECH	Lighting Controls, T39 Provide occupancy sensors throughout the building so that fixtures will be turned off when not needed and provide energy savings.	\$12,500	\$16,703	\$29,203	In-House
VO-TECH	Lighting Controls, T39 Provide switching controls for the office lighting that are currently always on.	\$420	\$516	\$936	Aaron wil check on this. In-House
MMS/PHS	Special Roofs, MH7 Replace the high school kitchen canopy with a permanent canopy with adequate foundation that meets snow load requirements. Code Deficiency	\$15,000	\$19,992	\$34,992	Local Hire
MMS/PHS	Plumbing Fixtures, MH29 Provide insulation on lavatory sink traps and exposed hot/cold water supplies.	\$5,700	\$7,597	\$13,297	In-House
ELEMENTARY	Plumbing Fixtures, E23 * Remove and relocate urinals for appropriate installation height for child age group. \$15,289 * Provide individual sensor operated flush valves to serve urinals. \$7,858	\$11,700	\$15,447	\$27,147	Local Contract
ELEMENTARY	Plumbing Fixtures, E23 Remove and replace toilets in kindergarten classrooms with toilets that are appropriate height for child age group.	\$2,700	\$3,596	\$6,296	Aaron will look into. If it's an easy swap it will be done in-house
ELEMENTARY	Plumbing Piping, E24 Provide pipe identification labeling throughout the building	\$2,500	\$3,332	\$5,832	In-House
ELEMENTARY	Personnel Doors, E17 Install kickplates on both sides of doors.	\$11,750	\$15,654	\$27,404	In-House or Local Contract
ELEMENTARY	Personnel Doors, E17 Secure Boiler Room door frame to the wall	\$550	\$722	\$1,272	In-House or Local Contract
ELEMENTARY	Personnel Doors, E17 Replace floor mounted door holders with magnetic or type with a keeper mechanism to reduce damage to door veneer.	\$7,050	\$9,284	\$16,334	Part of Door CIP project
ELEMENTARY	Ventilation Equipment, E29 Proved access door large enough to provide unobstructed passageway for future removal.	\$500	\$671	\$1,171	In-House
ELEMENTARY	Ventilation Equipment, E29 Locate return air smoke detector on return air ductwork. Code Deficiency	\$110	\$150	\$260	Johnson Electrical for smoke detector
ELEMENTARY	Ventilation Equipment, E29 Range hood and associated exhaust ductwork routed to exterior of building at teacher's lounge. Code Deficiency	\$2,400	\$3,202	\$5,602	Local Contract
ELEMENTARY	Panels & Motor Control Centers, E37 Provide code required labeling, to include arc-flash warnings, calculated available fault current, the amperage panelboards are rated for, etc. at each panelboard. Code Deficiency	\$2,000	\$2,674	\$4,674	Local Contract
ELEMENTARY	Panels & Motor Control Centers, E37 Provide a ground bar in all panels that do not currently have one.	\$2,800	\$3,732	\$6,532	In-House

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ELEMENTARY	Main Distribution Panels & Switchgear, E36 Provide code required labeling to the service disconnect and distribution equipment to include arc-flash warnings and calculated available fault current, at each panelboard. Code Deficiency	\$2,000	\$2,659	\$4,659	In-House consulting with contractor
ELEMENTARY	Main Distribution Panels & Switchgear, E36 Install group grounded conductors to all panels.	\$5,000	\$6,667	\$11,667	In-House
ELEMENTARY	Pitched Roofs, E6 Install frame around exterior mechanical room door to handle out of plane loading on the CMU wall.	\$2,500	\$3,332	\$5,832	
ELEMENTARY	Pitched Roofs, E6 Install sheathing directly to top of the timber roof deck to resist seismic loading.	\$1,500	\$1,999	\$3,499	In-House. Referencing mechanical and boiler room near library.
ELEMENTARY	Casework/Millwork, E20 Casework has life remaining with proper maintenance and refinishing. Install hardware on classroom casework drawers.	\$28,800	\$38,385	\$67,185	In-House
ELEMENTARY	Plumbing Equipment, E25 Install hot water circulation pump and distribution piping to serve remote fixtures and tempering valve to provide minimum flow requirements.	\$4,000	\$5,331	\$9,331	Local Hire
ELEMENTARY	Plumbing Equipment, E25 Reconfigure hot water generator piping and controls to provide control valve to serve each hot water generator.	\$2,000	\$2,670	\$4,670	In-House
ELEMENTARY	Fixed Partitions, E16 Minor renovation to install a teacher's lounge kitchenette in teacher's lounge	\$7,500	\$9,996	\$17,496	In-House or Local Contract
ELEMENTARY	Pitched Roofing, E14 Clean TPO membrane per manufacturers recommendations	\$4,974	\$6,628	\$11,602	In-House
DISTRICT	Control Systems, D24 Program and test equipment control to verify control mode, scheduling, and that temperature set points are functioning appropriately for the equipment served.	\$5,000	\$6,664	\$11,664	In-House
DISTRICT	Lighting Controls, D30 Provide occupancy sensors throughout the building so that fixtures will be turned off when not needed.	\$5,000	\$6,669	\$11,669	In-House
	TOPOGRAPHY SURVEY				PUT OUT TO BID FOR ONE TOPOGRAPHY SURVEY
SITE	Lighting and Equipment Perform a campus wide site and topography survey to identify light poles and determine ownership (Borough)				Aaron Marohl- Borough District is responsible for shorter light poles on Charles, Dolphin, and 1st street. Borough is responsible for tall light poles
SITE	Landscaping & Irrigation C3 Perform a campus wide site and topography survey to identify existing drainages and utility locations	\$10,000	\$13,325	\$23,325	There is a lot of water coming off of middle school classrooms west, east, and south side and thus entering into the boiler room.
SITE	Pedestrian Surfaces C2 Perform campus wide site and topography survey to identify existing sidewalk locations. Identify responsible party for sidewalks and roads	\$10,000	\$13,328	\$23,328	This needs to be done, but we need to verify with the Borough, Aaron M re: responsibility.

	Petersburg School District District Wide Identified Scope of Work Can be Accomplished Locally	Estimated Product Cost	Estimated Other (general, overhead, profit, contingency)	Estimated Total Cost	Notes
SITE	Vehicular Surfaces C1 Perform campus wide site and topography survey- identify traffic features	\$10,000	\$13,328	\$23,328	This would be Aaron M with the Borough.
SITE	Storm Water Perform a campus wide site and topography survey to identify existing draining and utility locations. (Borough)	\$7,500	\$9,996	\$17,496	This would be Aaron M with the Borough.
SITE	Sanitary Sewer C9 Perform a campus wide site and topography survey to identify existing drainage and utility locations.	\$7,500	\$9,996	\$17,496	Not necessary
SITE	Water System C8 Perform a campus wide site and topography survey to identify existing utility locations	\$7,500	\$9,996	\$17,496	Not necessary
SITE	Site Furnishing & Equipment C5 Perform a campus wide site and topography survey to identify existing site features	\$2,500	\$3,332	\$5,832	Not needed at this time.
SITE	Fencing & Gates C4 Perform a campus wide site and topography survey to identify fence locations	\$5,000	\$6,664	\$11,664	Not needed at this time
				\$3,026,663	