

Operations Committee Meeting

Time: March 8, 2017

Minutes

- ☒ Michael Hagadorn, Board Member
- ☒ Cathy Buckley, Board Member
- ☐ Jason Marsh, Board Member
- ☐ Pauline Stone, Board Member
- ☒ Daniel Mannix, Superintendent
- ☒ Mary LaValley Blaine, School Business Executive (*departed @ 6:05 pm*)
- ☒ Eric Bell, District Treasurer (*departed @ 5:40 pm*)
- ☒ Daniel Noonan, Director of Facilities
- ☒ Joshua Nolan, Building Maintenance Mechanic
- ☒ James Bouffard, Tetra Tech Architects and Engineers, Associate AIA
- ☒ Thomas Farlow, Tetra Tech Architects and Engineers, PE
- ☒ Garrett Hamlin, Tetra Tech Architects and Engineers, AIA, NCARB, Director
- ☒ Mathew Grimes, Tetra Tech Architects and Engineers,

The meeting was called to order at 4:30 p.m. with updates given on the following:

Capital Project Design Meetings

- **Athletic Fields** (*30 minutes*)
 - Master planning of field locations
 - Field House Location
 - Future Field House Infrastructure
 - Tennis Court Locations
 - End of track, near HS Gym
 - End of tack, near Spellman Road
- **Traffic Safety** (*30 minutes*)
 - Two (2) Loop Concept
 - Not conducive to current drop-off/pick-up culture
 - Hybrid Concept – Short drop-off
 - Drop-off too short
 - Hybrid Concept – longer drop-off
 - Current planning location
 - Over time elementary parents learn to drop-off and leave kids with on duty teacher/aide

- Educational Enhancements (15 minutes)
 - CHES Stem
- Infrastructure Upgrades (15 minutes)
 - Rearrangement of elementary spaces
 - Music disturbing special education
 - Elementary Main Office
 - Elementary Cafeteria
- Construction Management Services (5 minutes)
 - Three (3) Construction Managers showed up for first walk thru
 - Scheduling another walk thru for March 14th
- NYSED review and approval of EPC Project (10 minutes)
 - Review EPC Scope
- Cap Outlay @ Cumberland Head Elementary School (15 minutes)
 - CHES stage lighting

The meeting was declared adjourned at 6:20 p.m.

Respectfully Submitted,
Michael Hagadorn

SCOPE OF PROPOSED WORK

2017 CAPITAL IMPROVEMENT PROJECT



Rev. 3/1/2017

Rev. by: JRB

Item No.	Project Cornerstone	Building	Item	Comments	A	B	C	D	E	F/G	H	I
					Athletics	Traffic Safety	Ed Spaces CHES	Ed Spaces BES	Es Spaces MS/HS	Infrastructure (All)	Bus Garage	Admin/Facilities/Arch
1	Ed. Spaces	Main Bldg.	BES Cafeteria & Gym	Create dedicated elementary cafeteria from existing Kindergarten spaces 10 & 11. Serving area 18A remains serving, with modifications. Storage 18B to become Wiggle Room. Space 18 becomes dedicated gymnasium space for elementary students. Budget is based on minor renovations to existing Cafeteria 18 (3,350 sf. at \$25/sf.) to improve lighting, acoustics and general appearance as an outright Gymnasium; expansion of existing Serving Area 18A (350 sf. at \$175/sf.) into adjacent Kindergarten rooms 10 & 11 (2,650 sf. at \$175/sf.), which would be renovated to create new elementary cafeteria space with serving area / warming. Relocate displaced Kindergarten rooms to other existing ES instructional spaces (presume minimal modifications needed; 1,800 sf. at \$25/sf.).				X				X
2	Ed. Spaces	Main Bldg.	MS/HS Large Group Instruction ("LGI") & Corridor Study Areas	Create a flexible, multi-purpose LGI space outfitted with latest technology, primarily for MS use with capacity to accommodate an entire grade of approximately 200 persons (need min. 2,400 sf). Budget is based on combination of 1,500 sf. addition at \$300/sf plus renovation of 1,950 sf. of existing spaces at \$150/sf. Proposed location is Computer 144, potentially including adjacent TV studio. In conjunction with the proposed LGI work, consider creation of small group and individual study areas with student display areas, seating, and charging stations within corridor of ramped corridor by 8th Gr. Science 145 and Computer 144. Includes removal of unneeded lockers and reconfiguration of select technology lab / green room corridor walls.					X			X
3	Ed. Spaces	Main Bldg.	MS/HS Library-Media Center Upgrades & Study Commons	Better utilize existing spaces to encourage 21st Century student learning. Consider creation of small group and individual study areas with student display areas, seating, and charging stations within corridor of ramped corridor between Auditorium and Media Center 180. Includes removal of unneeded lockers from corridor (1050 sf. x \$50/sf.), and reconfiguration of select library media center corridor walls, including relocation of librarian's work room (2000 sf. x \$150/sf.).					X			X
4	Ed. Spaces	Main Bldg.	MS/HS Auditorium House Lighting Enhancements	Provide improvements to the existing auditorium house lighting system in order to better light distribution and brightness based on multi-use aspect of the space as a classroom. Remove and replace existing house lighting fixtures (1:1 basis, approx. 30 fixt.), modify dimming curcuits and provide DMX control. 2017-02-15: District is concerned with front bank of stage lighting.					X			X
5	Ed. Spaces	Main Bldg.	BES Secure Main Entry & Enhancements	Consider creation of more secure vestibule at ES main entrance that requires visitors to go through the ES main office before gaining access to the rest of the building. Involves creation of small addition that could also serve as a more identifiable entrance. Interior improvements to highlight student displays and create an environment which welcomes learners. Budget is based on combination of 600 sf. addition at \$350/sf, 900 sf. canopy at \$150/sf. plus 800 sf. main office partial renovations at \$175/sf.				X				X

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6	Ed. Spaces	Main Bldg.	BES Special Education / Music Relocation	Consider switching what is currently the Sp. Ed. 12:1:3 program housed on the 2nd floor with the current Music program located in room 13 on the 1st floor. This will facilitate easier movement of special needs students into and out of the building, especially in the event of fire drills and/or emergencies. Budget involves outfitting each space as appropriate to house their respective programs (Rm. 30 @ 1500 sf. x \$150/sf.; Rm. 13 @ 1100 sf. x 150/sf.)				X				X
7	Ed. Spaces	Main Bldg.	HS Multipurpose Classroom	Consider creation of multipurpose classroom that can be used as both a standard interchangeable classroom and double as a science space. Math 165 might be a good candidate. Budget is based on new VCT flooring with moisture mitigation sealer (835 sf), new ACT ceiling system (835 sf) with new LED troffer lights using existing wiring and controls (835 sf), add new perimeter wood base cabinets with epoxy tops (48 lf), and add four new sinks with water and sanitary connections only. 2017-02-16: Convert two HS classrooms into a single larger classroom, with perimeter countertops and storage, and a connected prep / office space.					X			X
8	Ed. Spaces	Main Bldg.	Additional Educational Space Enhancements	Educational enhancements as determined during construction.								X
9	Ed. Spaces	CHES	STEAM Lab	Consider creation of a 21st Century learning environment by repurposing what is currently Computer 308 on the 2nd floor adjacent to the library and transforming into Maker Space. Provide transparency to Library 305. Budget is based on renovation of Room 308 (625 sf. x \$150/sf.) and minor modifications to 305 along dividing wall (150 sf. x \$50/sf.). 2017-02-16: Adding another classroom space to the scope in order to make a larger, more flexible STEAM space. Exact locations of the work TBD.			X					X
10	Ed. Spaces	CHES	Stage Technology Enhancements	Provide various technological enhancements, including adding a potential drop-down monitor, to better serve the multitude of needs by students and staff within this space. 2017-02-16: District will complete this work outside of this capital project. Some additional stage and gym technology upgrades may be accomplished through a future "\$100k" project.			X					X

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11	Traffic Safety	Main Bldg.	Traffic Safety Improvements	<ul style="list-style-type: none">• Site modifications to improve separation of pedestrians from vehicles and buses.• Chevron configuration of Bus Loop.• New left and right lane vehicle exits onto Spellman Road.• Improved site lighting, additional curbing and signage, and select asphalt paving.• Sidewalk improvements, new crosswalks and fencing to better define traffic circulation patterns and enhanced safety.• Consolidated parking areas with increased driver visibility, and storm water management improvements.		X						X
12	Athletic Fields	Main Bldg.	Athletic Field Upgrades	<ul style="list-style-type: none">• New synthetic turf field with underlayment shock pad for safety.• New 6-lane, resilient surface running track and drainage improvements.• New track and field long jump/high jump, discuss and shotput areas with resilient surfacing.• Relocating the existing 900-seat home and visitor bleacher seating, scoreboard and press box to the new track and field area.• Five new tennis courts.• New stadium lighting contingent upon additional funding), sidewalks, signage, fencing, grading and storm water management upgrades.	X							X
13	Infrastructure	Bus Garage	Water Service Upgrades	Remove and replace approx. 600 LF of 2” dia. copper water supply piping to bus garage from K-12 Main Building at a deeper elevation to correct pipe freezing issues.						X	X	X
14	Infrastructure	Bus Garage	AST (Aboveground) Site Fuel Tanks	Buses are transitioning from diesel to gasoline powered. In lieu of refueling gasoline buses at the Town highway department, provide onsite gasoline storage at the bus garage site as follows: <ul style="list-style-type: none">• Provide new 10,000 gallon aboveground, fire-resistant tank with fire protection, dispenser and fuel management system on concrete pad for District vehicles and equipment. 2017-02-15: Possible location of tank min. 50 ft. inside of eastern property line near gat to bus parking. Reuse existing fuel management system, trenching to existing UST fuel tank.• Provide new coverage over existing above ground containment dikes to minimize the potential for precipitation from entering, which would then otherwise need to be handled as hazardous materials.• Replace tank leak detection system at all above ground containment dikes. One system can monitor up to 8 tanks.						X	X	X
15	Infrastructure	Bus Garage	UST (Below ground) Site Fuel Tanks	In lieu of removal and replacement of existing 10,000 gallon buried diesel storage tank (including dispenser, leak detection system, and dispenser for \$120k), to maintain DEC compliance of existing UST diesel system consider perform minimal repair work. Main manway is leaking from ground water penetration. Remove and replace existing manway riser and manhole frame and cover. Repair disturbed pad over tank manway.						X	X	X

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16	Infrastructure	Bus Garage	Site Electrical Upgrades, Including Exterior Distribution	<p>Facility currently has a modest 400 amp single-phase service. If further expansion of the bus garage or reconfigured to change uses, then consider installation of a new pad mounted transformer, running new high voltage from existing utility pole to transformer, and running new 800 amp secondary electric conductors from transformer to a new 800 amp 120/208 volt 3-phase 4-wire Main Distribution Panel. This facility has secondary metering, meaning that the cost of the Utility furnishes the transformer (that cost is by the Utility). Note: Single-phase equipment can be fed from a 3-phase service by using a 2 pole breaker.</p> <p>2017-02-15: District personnel are confirming final need of Electrical upgrades. If not needed, then budget may be reallocated for needed paving around Bus Garage.</p>						X	X	X
17	Infrastructure	Bus Garage	Door & Egress Work	<ul style="list-style-type: none">• Interior Doors: In the vehicle / storage bay nearest the office area, provide two means of egress that don't require the use of sliding doors or overhead doors. Provide new HM door in HM frame with closer and hardware.• Exterior Doors: Remove existing pair of HM exterior doors in HM frame, including hardware, that have reached the end of expected service life. Replace with FRP doors in either AL or FRP frame with new hardware. 2017-02-15: Add patching of floor at main door (interior & exterior), and make entry ADA accessible.• Second Means of Egress from Welding Lab: Spaces of pupil occupancy >500 sf shall have 2 separate means of egress. Typically one door to corridor and another into separate smoke zone, a door directly to exterior, or rescue window. Add HM door, frame, and steel lintel to provide second means of egress from maintenance / storage bay to the north of the offices.						X	X	X
18	Infrastructure	Bus Garage	Fire Alarm & Smoke Detection Systems	Provide new fire alarm system including detection in all required spaces. Provide smoke detection in offices and storage spaces.						X	X	X

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19	Infrastructure	Main Bldg.	HVAC: Supply units, exhaust units, relief / return units, etc.	<ul style="list-style-type: none">• Roof Top Hood Replacement: Many of the original Roof Top Hoods for both OA intake and relief air are rusted or otherwise past their design life. This recommendation includes replacement of all such hoods and is recommended only if the overall recommendation must be postponed beyond when these hoods begin leaking. Integrated upgrade associated with general relief air path upgrade and air handler replacement is recommended instead, and is included in the overall recommendation.• Power Exhaust Upgrade/Replacement: Several spaces are without power exhaust, and others have systems that were non-functional, partially functional, or otherwise past their design life and inadequate. Exhausting air in these spaces is necessary for human occupation. Provide proper exhaust systems for approximately ten systems including fan replacement and miscellaneous ductwork upgrades and balancing.• Economizer Controls: Provide economizer control for all air handlers including UVs, not just as required by code for larger systems. Control shall be based on differential enthalpy sensing of indoor and outdoor air for larger units, and dry bulb sensing for smaller units. Will provide very short term payback, under one year at normal anticipated usage.• Controls, TAB, and Commissioning: These were separate (whole building) line items, and the budget is for portion needed for these items. The cost of \$164,000 has been apportioned to the various items as needed for a complete recommendation and is therefore zeroed out here.• Testing & Balancing: Originally \$150k but reduced based on EPC work. Most of the waterside balancing will be accomplished in the EPC project, however the airside systems are only being partially balanced in the EPC and the funds allocated here are to complete those portions not performed in the EPC project. Scope of work intended to include partial testing and balancing of system out to the terminal units. There are most likely areas with significantly higher flow than needed, and others that are just able to keep up as the piping is corroded, undersized, and lacking proper balancing and control valves. It should be tested to make an accurate determination of the current flow balance to inform a plan for hydronic system reconstruction, then, balancing valves added where needed, and properly balanced for even temperature control with minimized energy use.						X		X
20	Infrastructure	Main Bldg.	HVAC: Piped Heating & Cooling Distribution Systems	Piping Replacement Areas F, G & H: Piping serving areas F, G, and H (first and second floor) is older (some original, over 50 years old) and is currently driving the system pumps to higher power input as it is undersized in places. It should be removed and replaced.						X		X

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21	Infrastructure	CHES	HVAC: Supply units, exhaust units, relief / return units, etc.	<ul style="list-style-type: none">• Replace existing Gym and Cafeteria air handling units ("AHUs"): Units are approaching end of their expected useful life inside gym storage space that are very difficult to access for servicing. Replace with new rooftop units ("RTUs"), add control valves, and rebalance. Includes budget for structural reinforcement.• Replace exhaust fans and hoods: Existing units are approaching end of their expected useful life.• Remove Select RTUs: Three small existing units are approaching end of their expected useful life. Replace with new rooftop units, add control valves, and rebalance.						X		X
22	Infrastructure	Main Bldg.	Door & Egress Work	<p>Interior Doors:</p> <ul style="list-style-type: none">• Doors at various classroom locations are misaligned inhibiting proper closure, are visually worn beyond expected useful life, and some require a fire rating. At these locations, remove existing wood doors, hardware, and replace doors and hardware. Spaces include K (7, 10, 11), Gr. 1 (1, 3, 5), Gr. 2 (2, 4, 6, 8), Head Start (105, 106), Gr. 3 (107, 108, 109), Speech (110), HS Counseling (corr.), int. stair by ext. door E-15, Tech. (124B, 124C), HS clrms. (165, 166, 167, 168, 169). 2017-02-15: Type "N" doors are preferred.• Recess two doors exiting from HS Cafeteria 171 into corridor in order to comply with SED / code and reduce the potential for injury to passerby. <p>Exit Doors: At exterior doors C3 into MS/HS courtyard (by A/V ofc. 177), remove existing exit devices from exterior side of exterior doors to reduce the potential for exiting confusion in the event of an emergency, and provide appropriate door hardware. (These doors appear to have been formerly used as a second means of egress from the courtyard, but other remote exits now serve this same purpose and this door hardware is no longer needed.)</p> <p>Two Means of Egress:</p> <ul style="list-style-type: none">• All student occupied spaces require a second means of egress into separate smoke zones. Address egress concerns in the following spaces: A) In Computer 114A, add rescue window. B) For boys locker room adjacent to Band 113, add cross corridor pair of doors before stairs to Fitness Center. C) Rectify egress at ES 2nd floor near room 30 that has windows blocked by fire safety mechanism.• In student occupied spaces 26, 27, ES130, 135, 200, 201, 213 & 215, fire shutters at exterior window openings, if activated, will block existing rescue windows that serve as the second means of egress from these spaces into separate smoke zones. The fire shutters create a non-code compliant situation with the RWs, potentially create an unsafe condition in the event of an emergency. Corrective actions will likely vary depending on each situation, but it could involve adding new doors between classrooms or adding new exterior windows in order to obtain code compliant egress.						X		X

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23	Infrastructure	Main Bldg.	Handrails & Ramp Work	<ul style="list-style-type: none">• Handrails: Provide code required handrails at ramps of 1st & 2nd floors at MS (approx. 80 lf.).• Exterior Steps, Stairs and Ramps: Provide code required handrails at those ramps in corridors lacking them.						X		X
24	Infrastructure	Main Bldg.	MS/HS Auditorium Stage Flooring	Strip and refinish wood floor and apron of auditorium stage to improve durability and appearance (approx. 2,400 sf.). 2017-02-16: District would prefer to have flooring behind procenium to be painted black.					X	X		X
25	Infrastructure	Main Bldg.	Rescue Windows	Required emergency rescue windows and related hardware facilitate egress and are appropriately marked. Minimum of 6 sf and 24" clear each direction. Provide "RW" rescue window stickers in various student occupied locations lacking them.						X		X
26	Infrastructure	Main Bldg.	Roofs and Skylights	Remove areas of roofing approaching the end of its expected useful life, and replace with a system consisting of layers of flat / tapered polyisocyanurate insulation, ½" cover board, and single-ply fully-adhered 60 mil EPDM, including roof edge fascia metal. Roofing system will need to comply with updated energy conservation construction codes that require a minimum R-value of R30. Based on small roof area of approximately 5,000 sf.						X		X
27	Infrastructure	Main Bldg.	Water Analysis / Testing and Fixture Replacement Allowance	Copper piping systems installed prior to The Safe Drinking Water Act Amendments of 1986 and plumbing faucets and fountains installed prior to The Federal "Reduction of Lead in Drinking Water Act" of 2011 have a likelihood of lead materials present in the drinking water path. Water sample testing is in progress, and we are awaiting results for all fixtures. Overall, the majority of results are below the action level of 15 ppb. Miscellaneous plumbing fixtures are above the action level and should be replaced. 2017-02-15: District to complete this work separately from this project.						X		X
28	Infrastructure	Main Bldg.	Fire Alarm & Strobe Systems	Upgrade fire alarm system that is still on the zoned system to be addressable. Provide fire alarm strobe lights in all student occupied spaces.						X		X
29	Infrastructure	Main Bldg.	Toilet Rooms & Grab Bars	<ul style="list-style-type: none">• Existing toilets within K and 1st & 2nd Grade spaces do not comply with current handicapped accessibility requirements. Budget is to replace one toilet per grade level to meet current standards.• Provide ADA grab bars at 27 locations.						X		X

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30	Infrastructure	Main Bldg.	Classroom Sinks & Casework / Countertops	<ul style="list-style-type: none">At various classroom locations, remove existing countertop / backsplash with sinks and base units, and replace with new SS ADA accessible sinks and faucets in solid surface countertops / backsplashes atop new base units. Spaces include classrooms in K, 1st, 2nd, 4th & 5th Grades, and Areas F & G.Remove existing countertop & backspash, including sinks. Replace with new solid surfacing and SS ADA accessible sinks & faucets. Locations include: ES clrms. 1, 2, 3, 4, 5, 6, 7, 8, Lib. 12, Music 13, 20, 21, 22, 23, 24, 25, 26, 27.Remove existing countertop & backsplash, including sinks, and base units. Replace with new solid surfacing and SS ADA accessible sinks & faucets and plam base units. Locations include: Art Stor. 132A. Approx. 20 LF total.Remove worn and /or damaged unit ventilator shelving at various locations.				X		X		X
31	Infrastructure	Main Bldg.	Room Name / Number Designations	Consider adding a building-wide room identification signage package to comply with the NYS Building Code and the SED requirements and to help persons navigate the facility. Approx. 400 signs.				X		X		X
32	Infrastructure	Main Bldg.	Power Panels and Circuit Wiring	Replace the remaining panels that are original to the construction of the facility with new circuit breaker panels. These were not addressed in the EXCEL project.						X		X
33	Infrastructure	Main Bldg.	Kitchen Receiving Exterior Canopy & Exterior Walk-In Freezer Work	<ul style="list-style-type: none">Consider adding a simple painted structural steel canopy with protective masonry knee walls and concrete slab at kitchen area near generator to provide covered exterior protection of deliveries from inclement weather. Based on 1,000 sf @ \$125/sf.Consider adding a modularly constructed, freestanding, exterior walk-in freezer system measuring approx. 10 ft by 20 ft, with remote refrigeration, atop insulated concrete pad. Walk-in unit to be reinforced for snow load, in standard finish, and capable of light-duty pallet jack access. Budget includes partial height masonry screen wall. Exact location adjacent to kitchen area TBD. <p>2017-02-15: District determining most appropriate type of improvements to the kitchen area.</p>						X		X
34	Infrastructure	CHES	Fencing / Gates	<p>Provide new 4 ft high chain link fence on western property line for site separation from adjacent neighbor / wooded area.</p> <p>2017-02-16: Non-locking pass through needed at trail.</p>			X			X		X

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35	Infrastructure	CHES	Miscellaneous Foundation & Masonry Work	<ul style="list-style-type: none">• Outside Cafeteria 125: Shifted brick and open grout joints. Appears to be due to impact from mower or snow plow. Estimate \$2,000 to remove and replace shifted or damaged bricks.• Outside Kindergarten Room 110: Cracked brick veneer at beam level. May be due to differential movements or damaged wall ties. Destructive testing should be performed to investigate cause. Estimate \$2,000 to remove and replace shifted or damaged bricks and replace wall ties.• Masonry Repointing: North side of building masonry needs repointing 1st and 2nd courses under windows, Minor repointing exterior wall of gymnasium, Add/Recaulk MVEJs where indicated/Coat exterior wall with water repellant where indicated. Restore brick masonry including repointing and repair of damaged or cracked masonry units at various locations throughout the building.						X		X
36	Infrastructure	CHES	Door & Egress Work	<ul style="list-style-type: none">• Interior Doors: Classroom doors have closers and lever sets, but sidelights and door glazing is not fire-rated (See Classrooms in Areas B, C,D, and E).• Interior Doors - Egress Hardware: Doors in exit ways serving 3 or more spaces of pupil occupancy and places of assembly shall have panic hardware. At (8) interior doors from Gymnasia 120A & 120B, Cafeteria 125, Multi-Purpose 135, and Stage 136, remove existing door hardware and replace with appropriate exit devices (I.E. "panic hardware").• Door Closers: Required fire doors, including all doors opening into a corridor, shall be maintained closed, or on hold opens tied to the fire alarm system. Provide door closers and/or electromagnetic hold-opens tied into the fire alarm system on doors in fire-rated openings or at openings into corridors (32 doors).• Exterior Doors: Replace existing doors with single-pane Glazing (Select doors in Cafeteria, Corridor 102, Lobby 166 and Stair 186).• Exterior Doors - Egress Hardware: Doors in exit ways serving 3 or more spaces of pupil occupancy and places of assembly shall have panic hardware. At (4) existing exterior doors from Gymnasia 120A & 120B and Cafeteria 125, remove existing door hardware and replace with appropriate exit devices (I.E. "panic hardware").						X		X
37	Infrastructure	CHES	Water Analysis / Testing and Fixture Replacement Allowance	<p>Copper piping systems installed prior to The Safe Drinking Water Act Amendments of 1986 and plumbing faucets and fountains installed prior to The Federal "Reduction of Lead in Drinking Water Act" of 2011 have a likelihood of lead materials present in the drinking water path. Water sample testing is in progress, and we are awaiting results for all fixtures. Overall, the majority of results are below the action level of 15 ppb. Miscellaneous plumbing fixtures are above the action level and should be replaced.</p> <p>2017-02-15: District to complete this work separately from this project.</p>						X		X

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38	Infrastructure	CHES	Strobes	Provide fire alarm strobe lights in all student occupied spaces.						X		X
39	Infrastructure	CHES	Room Name / Number Designations & Wayfinding Signage	Consider adding a building-wide room identification signage package to comply with the NYS Building Code and the SED requirements.			X			X		X
40	Infrastructure	CHES	Gymnasium Operable Partition	Of the two existing operable partitions, replace one doors safety equipment. Remove the other existing operable partition between Gym 135/120A and 120A/120B, and replace with an powered, overhead supported, center roll-up divider curtain. Cost includes \$5k for potential structural reinforcement of roof steel, if required.			X			X		X
41	Infrastructure	CHES	Emergency Generator	Expansion and additional coverage of the building from the existing generator.						X		X
42	Infrastructure	CHES	Exterior PA System	Provide exterior PA speaker horns with high enough output to project to all play fields/playground spaces and parking areas. New speakers to be wired as a separate zone on the PA rack to allow calling outside speakers directly without needing to do an all call.						X		X
43	Infrastructure	CHES	Classroom Window Replacement	At classrooms 113, 114, 115, 116, 315, 316, 317, 318, significant water damage is visible in soffits along tops of windows of downstairs classrooms primarily due to leaky window frames. Water is getting into the window frames and some of it is draining out of the weeps as intended but much of it is leaking through into the wall cavity and working its way down to the classrooms below. Replace with new horz. sliding aluminum windows with new sill flashings and drip edges (approx. 1,100 sf @ \$100/sf), and demolish and reconstruct first floor soffits (approx. 1,500 sf x \$12/sf).						X		X
44	Infrastructure	Annex DO	Parking Lots Lighting	Provide new LED parking lot lighting to address site safety concerns. This is in addition to the LED lighting included in the EPC project.		X				X		X
45	Infrastructure	Annex DO	Water Analysis / Testing and Fixture Replacement Allowance	Copper piping systems installed prior to The Safe Drinking Water Act Amendments of 1986 and plumbing faucets and fountains installed prior to The Federal "Reduction of Lead in Drinking Water Act" of 2011 have a likelihood of lead materials present in the drinking water path. Water sample testing is in progress, and we are awaiting results for all fixtures. Overall, the majority of results are below the action level of 15 ppb. Miscellaneous plumbing fixtures are above the action level and should be replaced. 2017-02-15: District to complete this work separately from this project.						X		X