



Troy City Schools													
								Date	8/11/2015				
DISTRICT FACILITY ASSESSMENT													
Troy High School		YEAR	BUILDING DATA:					Completed					
			SF	221,011	Year built	1958							
			# Floors	3	# Students	1400							
ITEM	Estimated Cost		FY 16	FY 17	FY 18	FY 19	FY 20						
Building interior													
interior painting	\$45,000				\$20,000	\$25,000							
replace ACM in hallways / lights	\$75,000	5	\$0	\$0	\$0	\$0	\$90,000						
paint classrooms in '06 addition	\$16,000	2	\$0	\$16,800	\$0	\$0	\$0						
Building Envelope													
wet glazing on windows	\$20,000	1	\$20,000	\$0	\$0	\$0	\$0						
caulk window frames	\$26,000	1	\$26,000	\$0	\$0	\$0	\$0						
tuck-pointing	\$22,500	2	\$0	\$23,625	\$0	\$0	\$0						
repaint downspouts / boots	\$7,500	3	\$0	\$0	\$8,250	\$0	\$0						
gutter replacement on west side of building	\$9,000	1	\$9,000	\$0	\$0	\$0	\$0						
gym wall masonry restoration	\$21,000	3	\$0	\$0	\$23,100	\$0	\$0						
wire brush /paint lintels	\$7,500	2	\$0	\$7,875	\$0	\$0	\$0						
Roofing													
roof design fee for area 2,3,4,10,11	\$21,750	1	\$21,750	\$0	\$0	\$0	\$0						
roof replacement areas 2,3,4,10, 11	\$262,000	1	\$262,000	\$0	\$0	\$0	\$0						
roof design fee for area 5	\$16,000	1	\$16,000	\$0	\$0	\$0	\$0						
roof replacement area 5	\$216,000	1	\$216,000	\$0	\$0	\$0	\$0						
roof design fee for area 6	\$15,000	2	\$0	\$15,750	\$0	\$0	\$0						
roof replacement for area 6	\$142,500	2	\$0	\$149,625	\$0	\$0	\$0						
roof repairs - science wing 2nd floor	\$15,000	1	\$15,000	\$0	\$0	\$0	\$0						
Mechanical													
replace urinals in boys restroom 100 hall	\$13,683	4	\$0	\$0	\$0	\$15,735	\$0						
replace urinals in boys RR crossover hall between A ux gym and aud.	\$7,500	1	\$7,500	\$0	\$0	\$0	\$0						
replace gal v. Waterlines	\$50,000	3	\$0	\$0	\$25,000	\$0	\$25,000						
repair/replace exterior ductwork insulation for the commons	\$20,000	2	\$0	\$21,000	\$0	\$0	\$0						
replace custodial slop sinks with floor mounted mop sinks \$4,000 each	\$20,000	2	\$0	\$21,000	\$0	\$0	\$0						
upgrade fire alarm system	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000						
building automation / EMS	\$91,750	5	\$0	\$0	\$0	\$0	\$110,100						
exhaust fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000						



ECM											
VFD / control / IAQ	\$33,820	5	\$0	\$0	\$0	\$0	\$40,584				
JCI upgrade / IAQ	\$28,050	5	\$0	\$0	\$0	\$0	\$33,660				
unit ventilator controls	\$400,000	5	\$0	\$0	\$0	\$0	\$480,000				
ECM motor upgrade	\$47,250	5	\$0	\$0	\$0	\$0	\$56,700				
exit sign upgrade	\$7,160	5	\$0	\$0	\$0	\$0	\$8,592				
plumbing fixtures	\$26,280	5	\$0	\$0	\$0	\$0	\$31,536				
refrigerator/freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320				
utility monitoring	\$15,025	5	\$0	\$0	\$0	\$0	\$18,030				
lighting upgrade	\$100,000	5	\$0	\$0	\$0	\$0	\$120,000				
Site Paving											
asphalt repairs, crackfill and seal	\$15,000	4	\$0	\$0	\$0	\$17,250	\$0				
concrete walk replacement	\$12,500		\$5,000	\$0	\$0	\$7,500	\$0				
paint railings by gas meter / paint bollards	\$750	1	\$750	\$0	\$0	\$0	\$0				
patch / overlay parking lot by cafeteria loading dock	\$18,000	2	\$0	\$18,900	\$0	\$0	\$0				
overlay east student parking by gym	\$55,000	5	\$0	\$0	\$0	\$0	\$66,000				
repave entrance drive by tennis courts including circle	\$18,000	4	\$0	\$0	\$0	\$20,700	\$0				
repave west side parking lot	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000				
concrete repair to island at south parking lot	\$10,500	3	\$0	\$0	\$11,550	\$0	\$0				
repave north driveway including entrance loop at front entrance	\$17,500	5	\$0	\$0	\$0	\$0	\$21,000				
Miscellaneous											
			\$0	\$0	\$0	\$0	\$0				
TOTAL	\$2,009,118		\$599,000	\$274,575	\$87,900	\$86,185	\$1,177,522				



Troy Junior High School		YEAR	BUILDING DATA:					Completed		
			SF	104,689		1972				
ITEM	Estimated Cost		# Floors							
			700	FY 16	FY 17	FY 18	FY 19	FY 20		
Building Interior										
replace panic devices on gym doors	\$25,000	4	\$0	\$0	\$0	\$28,750	\$0			
paint hallways	\$15,000	3	\$0	\$0	\$16,500	\$0	\$0			
paint classrooms	\$25,000	2	\$0	\$26,250	\$0	\$0	\$0			
paint gym and cafeteria	\$25,000	3	\$0	\$0	\$12,500	\$12,500	\$0			
replace flooring in classrooms 211 and 212	\$14,000	4	\$0	\$0	\$0	\$16,100	\$0			
rekey interior doors	\$15,000	5	\$0	\$0	\$0	\$0	\$18,000			
replace rusting partitions in boys restrooms	\$12,500	2	\$0	\$13,125	\$0	\$0	\$0			
Building envelope										
replace windows	\$350,000	5	\$0	\$0	\$0	\$0	\$420,000			
caulk around precast concrete panels	\$7,500	3	\$0	\$0	\$8,250	\$0	\$0			
caulk at all door and window openings	\$18,500	1	\$18,500	\$0	\$0	\$0	\$0			
wet glazing on windows	\$7,500	4	\$0	\$0	\$0	\$8,625	\$0			
replace exterior expansion joints	\$5,500	2	\$0	\$5,775	\$0	\$0	\$0			
spot tuck-pointing	\$22,000	3	\$0	\$0	\$24,200	\$0	\$0			
Mechanical										
replace gal v waterlines	\$50,000	4	\$0	\$0	\$0	\$25,000	\$25,000			
install water softener for domestic hot water and boiler feed - kitchen	\$4,000	1	\$4,000	\$0	\$0	\$0	\$0			
install exterior LED lighting	\$5,800	1	\$5,800	\$0	\$0	\$0	\$0			
partial replacement of rooftop units (14 units)	\$50,000		\$0	\$0	\$0	\$25,000	\$25,000			
exhaust fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000			
recommission building	\$15,000	4	\$0	\$0	\$0	\$17,250	\$0			
ECM										
IAQ / CO2 control	\$26,400	5	\$0	\$0	\$0	\$0	\$31,680			
central BAS integration	\$32,400	5	\$0	\$0	\$0	\$0	\$38,880			
active utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			
lighting upgrades	\$75,000		\$0	\$0	\$0	\$0	\$0			



Site										
crackfill/sealcoat student drop off loop	\$13,000	3	\$0	\$0	\$14,300	\$0	\$0			
replace sections of sidewalk concrete curb in front of school	\$10,000	4	\$0	\$0	\$0	\$11,500	\$0			
replace sections of sidewalk leading to THS - door 12	\$6,500	3	\$0	\$0	\$7,150	\$0	\$0			
asphalt overlay north lot	\$38,883	5	\$0	\$0	\$0	\$0	\$46,660			
concrete curb repair by handicap ramp	\$7,500	1	\$7,500	\$0	\$0	\$0	\$0			
patch / overlay lot by loading dock	\$35,000	2	\$0	\$36,750	\$0	\$0	\$0			
replace rusted backstop on baseball field	\$4,500	5	\$0	\$0	\$0	\$0	\$5,400			
concrete repair at loading dock	\$10,500	4	\$0	\$0	\$0	\$12,075	\$0			
repave south parking lot	\$40,000	5	\$0	\$0	\$0	\$0	\$48,000			
Miscellaneous										
			\$0	\$0	\$0	\$0	\$0			
TOTAL	\$984,963		\$35,800	\$81,900	\$82,900	\$156,800	\$680,196			

Van Cleve 6th Grade Building		YEAR	BUILDING DATA:					Completed		
			SF	82,253		1914				
ITEM	Estimated Cost		Floors	2	# Students	350				
			FY 16	FY 17	FY 18	FY 19	FY 20			
Building Interior										
interior plaster repair	\$10,500	2	\$0	\$11,025	\$0	\$0	\$0			
replace classroom carpet	\$30,000		\$0	\$0	\$15,000	\$15,000	\$0			
paint hallways	\$10,000	1	\$10,000	\$0	\$0	\$0	\$0			
paint classrooms	\$20,000		\$0	\$0	\$10,000	\$10,000	\$0			
replace ceiling tiles in classrooms	\$65,000	5	\$0	\$0	\$0	\$0	\$78,000			
masonry repair at chimney	\$4,500	1								
repair soffit in courtyard area	\$6,500	4								
paint gym and lobby	\$10,000	1	\$10,000	\$0	\$0	\$0	\$0			
screen and recoat gym floor	\$1,800	3	\$0	\$0	\$1,980	\$0	\$0			
Building envelope										
tuck-point	\$70,000		\$25,000	\$20,000	\$25,000	\$0	\$0			
caulk around aluminum windows	\$24,000	2	\$0	\$12,000	\$12,000	\$0	\$0			
caulk around windows	\$24,000	2	\$0	\$12,000	\$12,000	\$0	\$0			
tuck-point and seal on parapet	\$25,000	4	\$0	\$0	\$0	\$28,750	\$0			
foundation repair	\$8,500	2	\$0	\$8,925	\$0	\$0	\$0			
repair stone band around building 4' elevation	\$11,000	2	\$0	\$11,550	\$0	\$0	\$0			
repair foundation damage at courtyard window across from deck	\$1,200	1	\$1,200	\$0	\$0	\$0	\$0			
interior peeling paint at windows - numerous moisture issues	\$10,000	2	\$0	\$10,500	\$0	\$0	\$0			
replace casement windows	\$11,500	5	\$0	\$0	\$0	\$0	\$13,800			
Mechanical										
replace galv water lines	\$25,000	4	\$0	\$0	\$0	\$28,750	\$0			
install water softener for domestic and boiler water feed	\$5,500	1	\$5,500	\$0	\$0	\$0	\$0			
boiler plant controls	\$35,000	5	\$0	\$0	\$0	\$0	\$42,000			
building automation / EMS	\$8,200	5	\$0	\$0	\$0	\$0	\$9,840			
install exhaust fan control	\$8,000	5	\$0	\$0	\$0	\$0	\$9,600			
install exterior LED lighting	\$4,000	2	\$0	\$4,200	\$0	\$0	\$0			

ECM			\$0	\$0	\$0	\$0	\$0			
VFD / control/ IAQ	\$7,150	5	\$0	\$0	\$0	\$0	\$8,580			
unit ventilator control	\$160,000	5	\$0	\$0	\$0	\$0	\$192,000			
ECM motor upgrade	\$26,700	5	\$0	\$0	\$0	\$0	\$32,040			
exit sign upgrade	\$2,980	5	\$0	\$0	\$0	\$0	\$3,576			
plumbing fixtures	\$9,440	5	\$0	\$0	\$0	\$0	\$11,328			
refrigerator/freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320			
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			
lighting upgrade	\$60,000	5	\$0	\$0	\$0	\$0	\$72,000			
Site										
replace concrete by door 4	\$5,000	3	\$0	\$0	\$5,500	\$0	\$0			
replace curb around perimeter of city block	\$50,000	3	\$0	\$0	\$55,000	\$0	\$0			
blacktop/sidewalk repair on east side	\$10,500	4	\$0	\$0	\$0	\$12,075	\$0			
repair cracked concrete block at entrance	\$1,200	1	\$1,200	\$0	\$0	\$0	\$0			
repair steps in courtyard area	\$1,200	1	\$1,200	\$0	\$0	\$0	\$0			
repair concrete steps at door 9	\$2,500	1	\$2,500	\$0	\$0	\$0	\$0			
patch / overlay parking lot/ driveway between mtn bldg and school	\$15,000	3	\$0	\$0	\$16,500	\$0	\$0			
Miscellaneous										
			\$0	\$0	\$0	\$0	\$0			
TOTAL	\$792,450		\$56,600	\$90,200	\$152,980	\$94,575	\$486,660			



Concord Elementary		YEAR	BUILDING DATA:					Completed		
			SF	67,589		1919				
ITEM	Estimated Cost		# Floors		FY 18	FY 19	FY 20			
			FY 16	FY 17						
Building interior										
paint interior of building excluding '06 addition	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000			
paint interior of '06 addition	\$6,000	4	\$0	\$0	\$0	\$6,900	\$0			
replace restroom partitions and doors	\$15,000	2	\$0	\$15,750	\$0	\$0	\$0			
replace hallway ceiling tile	\$55,000	4	\$0	\$0	\$0	\$63,250	\$0			
renovate art / music area in old section	\$21,000	4	\$0	\$0	\$0	\$24,150	\$0			
Building envelope										
tuck-pointing	\$30,000	2	\$0	\$31,500	\$0	\$0	\$0			
resolve water infiltration at science rm storage	\$4,500	3	\$0	\$0	\$4,950	\$0	\$0			
water infiltration at high windows	\$2,500	4	\$0	\$0	\$0	\$2,875	\$0			
seal two sides of gym - siloxane	\$6,300	3	\$0	\$0	\$6,930	\$0	\$0			
water issues at door to old boiler room	\$7,500	4	\$0	\$0	\$0	\$8,625	\$0			
caulk windows on 1919 section	\$16,000	2	\$0	\$16,800	\$0	\$0	\$0			
water build up on roof over 121 - ice in drain - reroute	\$1,200	3	\$0	\$0	\$1,320	\$0	\$0			
replace windows	\$125,000	5	\$0	\$0	\$0	\$0	\$150,000			
caulk sills, repair structural crack in room 101	\$4,200	1	\$4,200	\$0	\$0	\$0	\$0			
Roofing										
			\$0	\$0	\$0	\$0	\$0			
Mechanical										
systematic rewiring of building	\$30,000		\$0	\$10,000	\$10,000	\$10,000	\$0			
replace old electric panels (\$4,000 per)	\$12,000		\$4,000	\$4,000	\$4,000					
sectional replacement of galv waterline	\$50,000				\$25,000		\$25,000			
install water softener for domestic hot water and boiler feed water	\$6,000	2	\$0	\$6,300	\$0	\$0	\$0			
replace boiler - original building	\$75,000	5	\$0	\$0	\$0	\$0	\$90,000			
Building automation / energy mgt	\$10,500	5	\$0	\$0	\$0	\$0	\$12,600			
take over Johnson control for 2006 addition	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000			
install exhaust fan control for EMS	\$3,500	5	\$0	\$0	\$0	\$0	\$4,200			
replace climate control air compressor	\$5,000	4	\$0	\$0	\$0	\$5,750	\$0			
install exterior LED lighting	\$6,500	2	\$0	\$6,825	\$0	\$0	\$0			

ECM											
VFD/control/IAQ	\$6,150	5	\$0	\$0	\$0	\$0	\$7,380				
install unit ventilator controls	\$140,000	5	\$0	\$0	\$0	\$0	\$168,000				
exhaust fan control	\$3,400	5	\$0	\$0	\$0	\$0	\$4,080				
ECM motor upgrade	\$23,700	5	\$0	\$0	\$0	\$0	\$28,440				
exit sign upgrade	\$4,610	5	\$0	\$0	\$0	\$0	\$5,532				
plumbing fixtures	\$11,450	5	\$0	\$0	\$0	\$0	\$13,740				
refrigerator/freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320				
boiler plant control	\$11,530	5	\$0	\$0	\$0	\$0	\$13,836				
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576				
lighting upgrade	\$60,000	5	\$0	\$0	\$0	\$0	\$72,000				
Site / Paving											
crackfill/ seal coat parking lots	\$20,403	1	\$20,403	\$0	\$0	\$0	\$0				
paving mtn - crackfill only	\$3,500	4	\$0	\$0	\$0	\$4,025	\$0				
replenish mulch playground surface	\$3,000	2	\$0	\$3,150	\$0	\$0	\$0				
replace section of sidewalk- south side	\$5,000	3	\$0	\$0	\$5,500	\$0	\$0				
TOTAL	\$847,023		\$28,603	\$94,325	\$57,700	\$125,575	\$668,704				



Cookson Elementary		YEAR	BUILDING DATA:							
			SF	41,877		1963/1968				
ITEM	Estimated Cost		# Floors			300				
			FY 16	FY 17	FY 18	FY 19	FY 20	Completed		
Building interior										
replace classroom sink cabinets and counter tops	\$20,000		\$0	\$0	\$0	\$10,000	\$10,000			
replace girls restroom partitions in east wing	\$6,000	4	\$0	\$0	\$0	\$6,900	\$0			
paint interior building	\$25,000	3	\$0	\$0	\$27,500	\$0	\$0			
rekey interior doors / new hardware	\$5,500	4	\$0	\$0	\$0	\$6,325	\$0			
Building envelope										
replace windows	\$200,000	5	\$0	\$0	\$0	\$0	\$240,000			
minimal tuckpointing	\$10,500	3	\$0	\$0	\$11,550	\$0	\$0			
wet glazing on windows	\$18,000	2	\$0	\$18,900	\$0	\$0	\$0			
install new expansion joint on south side of gym	\$1,200	1	\$1,200	\$0	\$0	\$0	\$0			
Roofing										
			\$0	\$0	\$0	\$0	\$0			
Mechanical										
replace gal v waterline to classrooms (\$1,500-\$2,500 each)	\$50,000		\$0	\$25,000	\$25,000	\$0	\$0			
replace fire alarm	\$20,000	4	\$0	\$0	\$0	\$23,000	\$0			
replace boilers	\$110,000	5	\$0	\$0	\$0	\$0	\$132,000			
install new LED lighting	\$3,000	1	\$3,000	\$0	\$0	\$0	\$0			
Building automation / energy mgt	\$8,500	5	\$0	\$0	\$0	\$0	\$10,200			
install exhaust fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000			
replace climate control compressor	\$5,000	4	\$0	\$0	\$0	\$5,750	\$0			
ECM										
install unit ventilator controls	\$80,000	5	\$0	\$0	\$0	\$0	\$96,000			
BAS control	\$49,700	5	\$0	\$0	\$0	\$0	\$59,640			
exit sign upgrade	\$2,480	5	\$0	\$0	\$0	\$0	\$2,976			
plumbing fixtures	\$5,950	5	\$0	\$0	\$0	\$0	\$7,140			
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			

Site											
replenish playground mulch	\$4,000		\$0	\$0	\$2,000	\$0	\$2,000				
replace concrete walkway at door 5 (70x8)	\$4,500	2	\$0	\$4,725	\$2,000	\$0	\$2,000				
sidewalk / curb repair and replacement	\$10,000	4	\$0	\$0	\$0	\$11,500	\$0				
replace concrete dumpster pad	\$9,500	3	\$0	\$0	\$10,450	\$0	\$0				
overlay playground	\$21,000	3	\$0	\$0	\$23,100	\$0	\$0				
overlay parking lot	\$3,000	1	\$3,000	\$0	\$0	\$0	\$0				
seal coat and crackfill parking lot and playground	\$6,000	5	\$0	\$0	\$0	\$0	\$7,200				
TOTAL	\$696,810		\$7,200	\$48,625	\$101,600	\$63,475	\$590,732				

Forest Elementary		YEAR	BUILDING DATA:					Completed		
			SF	37,707		1949				
ITEM	Estimated Cost		# Floors		Students	300				
			FY 16	FY 17	FY 18	FY 19	FY 20			
Building interior										
interior painting	\$25,000	3	\$0	\$0	\$27,500	\$0	\$0			
install new casework	\$120,000	5	\$0	\$0	\$0	\$0	\$144,000			
replace interior doors	\$45,000	4	\$0	\$0	\$0	\$51,750	\$0			
repair uneven classroom floors	\$50,000	5	\$0	\$0	\$0	\$0	\$60,000			
Building envelope										
exterior painting	\$1,500	5	\$0	\$0	\$0	\$0	\$1,800			
reseal stainless gutters	\$2,500	2	\$0	\$2,625	\$0	\$0	\$0			
paint 3 lintels on alley side	\$1,200	3	\$0	\$0	\$1,320	\$0	\$0			
recaulk at lintels	\$1,800	2	\$0	\$1,890	\$0	\$0	\$0			
partial tuck-pointing	\$7,500	3	\$0	\$0	\$8,250	\$0	\$0			
caulk stone coins	\$3,500	5	\$0	\$0	\$0	\$0	\$4,200			
caulk water table	\$15,000	4	\$0	\$0	\$0	\$17,250	\$0			
resolve water infiltration at network rm	\$2,500	2	\$0	\$2,625	\$0	\$0	\$0			
Roofing										
			\$0	\$0	\$0	\$0	\$0			
Mechanical										
replace galv water lines in sections	\$35,000		\$0	\$15,000	\$20,000		\$0			
exterior caulking, including expansion joints	\$24,600	1	\$24,600	\$0	\$0	\$0	\$0			
replace drain lines	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000			
replace boiler	\$75,000	5	\$0	\$0	\$0	\$0	\$90,000			
building automation/EMS	\$8,500	5	\$0	\$0	\$0	\$0	\$10,200			
install boiler / exhaust controls	\$35,000	5	\$0	\$0	\$0	\$0	\$42,000			
replace climate control air compressor	\$5,000	2	\$0	\$5,250	\$0	\$0	\$0			
replace classroom ventilating units	\$110,000	5	\$0	\$0	\$0	\$0	\$132,000			



ECM						\$0	\$0			
<i>UV control</i>	\$80,000	5	\$0	\$0	\$0	\$0	\$96,000			
<i>ECM motor upgrade</i>	\$13,780	5	\$0	\$0	\$0	\$0	\$16,536			
<i>exit sign upgrade</i>	\$5,250	5	\$0	\$0	\$0	\$0	\$6,300			
<i>plumbing fixtures</i>	\$10,150	5	\$0	\$0	\$0	\$0	\$12,180			
<i>refrigerator/ freezer monitoring</i>	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320			
<i>utility monitoring</i>	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			
Site										
replenish playground surface - mulch	\$2,000		\$0	\$1,000	\$0	\$1,000	\$0			
partial sidewalk replacement	\$7,500	4	\$0	\$0	\$0	\$8,625	\$0			
crackfill and seal coat parking lot	\$5,000	5	\$0	\$0	\$0	\$0	\$6,000			
patch/ repair areas on alley on west side of school	\$12,500	3	\$0	\$0	\$13,750	\$0	\$0			
TOTAL	\$741,360		\$24,600	\$28,390	\$70,820	\$78,625	\$665,112			



Heywood Elementary		YEAR	BUILDING DATA:					Completed		
			SF	37,231		1951				
ITEM	Estimated Cost		# Floors			350				
			FY 16	FY 17	FY 18	FY 19	FY 20			
Building interior										
replace hallway ceilings / lights	\$45,000	5	\$0	\$0	\$0	\$0	\$54,000			
paint interior building	\$21,000	3	\$0	\$0	\$23,100	\$0	\$0			
rekey interior doors	\$6,500	2	\$0	\$6,825	\$0	\$0	\$0			
replace carpet in classrooms	\$35,000	5	\$0	\$0	\$0	\$0	\$42,000			
replace classroom wood floors	\$85,000	5	\$0	\$0	\$0	\$0	\$102,000			
Building envelope										
reline building integral roof gutters	\$45,000	5	\$0	\$0	\$0	\$0	\$54,000			
repair downspouts / repair boots	\$7,500	1	\$7,500	\$0	\$0	\$0	\$0			
clean limestone, seal and caulk on entry side on McKaig St side	\$2,500	4	\$0	\$0	\$0	\$2,875	\$0			
clean limestone, seal and caulk on entry side on Ridge Ave. side - all	\$3,500	4	\$0	\$0	\$0	\$4,025	\$0			
paint exterior of building	\$20,000	2	\$0	\$21,000	\$0	\$0	\$0			
install water softener for domestic hot water and boiler feed water	\$4,000	5	\$0	\$0	\$0	\$0	\$4,800			
Roofing										
recap four chimneys	\$20,000	3	\$0	\$0	\$22,000	\$0	\$0			
slate inspection 2 years	\$4,000		\$2,000		\$2,000					
Mechanical										
replace drains in lower restrooms	\$25,000	4	\$0	\$0	\$0	\$28,750	\$0			
replace 2 floor custodial sink	\$8,000	1	\$8,000	\$0	\$0	\$0	\$0			
install new mop sinks on main floor	\$5,000	4	\$0	\$0	\$0	\$5,750	\$0			
replace fire alarm	\$20,000	5	\$0	\$0	\$0	\$0	\$24,000			
replace old electric panels	\$18,000	5	\$0	\$0	\$0	\$0	\$21,600			
boiler plant controls	\$7,000	4	\$0	\$0	\$0	\$8,050	\$0			
building automation / EMS	\$8,500	5	\$0	\$0	\$0	\$0	\$10,200			
install exhaust fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000			
replace climate control air compressor	\$5,000	2	\$0	\$5,250	\$0	\$0	\$0			

ECM												
VFD / Control/ IAQ	\$9,970	5	\$0	\$0	\$0	\$0	\$11,964					
install unit vent controls	\$80,000	5	\$0	\$0	\$0	\$0	\$96,000					
zone damper control	\$42,640	5	\$0	\$0	\$0	\$0	\$51,168					
exit sign upgrades	\$2,840	5	\$0	\$0	\$0	\$0	\$3,408					
plumbing fixtures	\$6,930	5	\$0	\$0	\$0	\$0	\$8,316					
refrigerator/freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320					
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576					
lighting upgrade	\$5,370	5	\$0	\$0	\$0	\$0	\$6,444					
Site												
replenish playground surface - mulch	\$4,000		\$0	\$2,000	\$0	\$1,000	\$1,000					
seal coat and stripe running track	\$3,500	1	\$3,500	\$0	\$0	\$0	\$0					
install handrails on south steps on Ridge Ave side	\$2,769	1	\$2,769	\$0	\$0	\$0	\$0					
patch /overlay parking lot	\$45,000	2	\$0	\$47,250	\$0	\$0	\$0					
repair / paint railings at front entrance	\$1,500	3	\$0	\$0	\$1,650	\$0	\$0					
			\$0	\$0	\$0	\$0	\$0					
TOTAL	\$621,599		\$23,769	\$82,325	\$48,750	\$50,450	\$516,796					



Hook Elementary		YEAR	BUILDING DATA:					Completed		
			SF	31,257		1966				
ITEM	Estimated Cost		# Floors			320				
			FY 16	FY 17	FY 18	FY 19	FY 20			
Building interior										
paint interior of building	\$25,000	4	\$0	\$0	\$0	\$28,750	\$0			
rekey interior doors	\$6,000	2	\$0	\$6,300	\$0	\$0	\$0			
replace ACM ceiling tile in classrooms	\$45,000	4	\$0	\$0	\$0	\$51,750	\$0			
Building envelope										
caulk doors and windows	\$22,000	1	\$22,000	\$0	\$0	\$0	\$0			
wet glazing on the windows	\$7,500	1	\$7,500	\$0	\$0	\$0	\$0			
regROUT tile at entrance 15	\$1,200	1	\$1,200	\$0	\$0	\$0	\$0			
Roofing										
			\$0	\$0	\$0	\$0	\$0			
Mechanical										
replace water lines to classrooms	\$35,000		\$0	\$0	\$15,000	\$0	\$20,000			
install water softener for domestic hot water and boiler feed water	\$5,000	4	\$0	\$0	\$0	\$5,750	\$0			
replace boiler	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000			
boiler plant controls	\$6,000	5	\$0	\$0	\$0	\$0	\$7,200			
replace climate control air compressor	\$5,000	5	\$0	\$0	\$0	\$0	\$6,000			
building automation / EMS	\$8,500	5	\$0	\$0	\$0	\$0	\$10,200			
install exhaust fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000			
ECM										
BAS control	\$53,500	5	\$0	\$0	\$0	\$0	\$64,200			
exit sign upgrade	\$2,480	5	\$0	\$0	\$0	\$0	\$2,976			
plumbing fixtures	\$5,950	5	\$0	\$0	\$0	\$0	\$7,140			
refrigerator/freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320			
active utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			
lighting upgrades	\$35,000									
install unit vent controls	\$60,000	5	\$0	\$0	\$0	\$0	\$72,000			
Site										
replace / repair sidewalk - curb	\$6,000	1	\$6,000	\$0	\$0	\$0	\$0			
replace concrete pad for dumpster	\$7,500	2	\$0	\$7,875	\$0	\$0	\$0			
replenish playground surface	\$3,000		\$0	\$1,000	\$0	\$2,000	\$0			
repave parking lot - with fabric	\$32,500	2	\$0	\$34,125	\$0	\$0	\$0			
TOTAL	\$418,710		\$36,700	\$49,300	\$15,000	\$88,250	\$245,612			

Kyle Elementary		YEAR	SF	30,032		1972		Completed
ITEM	Estimated Cost		# Floors			200		
			FY 16	FY 17	FY 18	FY 19	FY 20	
Building interior								
replace cove base / ACM in halls and classrooms	\$40,000	3	\$0	\$0	\$20,000	\$20,000	\$10,000	
paint interior	\$20,000	5	\$0	\$0	\$0	\$0	\$24,000	
replace carpet in media center	\$3,500	2	\$0	\$3,675	\$0	\$0	\$0	
replace classroom casework	\$120,000	5	\$0	\$0	\$0	\$0	\$144,000	
Building envelope								
remove caulking at the lintels and repair one spall on the foundation	\$3,384	5	\$0	\$0	\$0	\$0	\$4,061	
repair / paint soffit and rake board	\$15,000	5	\$0	\$0	\$0	\$0	\$18,000	
Mechanical								
replace galv waterline	\$50,000		\$0	\$0	\$0	\$25,000	\$25,000	
replace fire alarm system	\$20,000	5	\$0	\$0	\$0	\$0	\$24,000	
install water softener for domestic and boiler feed water	\$5,000	2	\$0	\$5,250	\$0	\$0	\$0	
install new LED lighting	\$2,500	2	\$0	\$2,625	\$0	\$0	\$0	
install fan control	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000	
replace climate control air compressor	\$5,000	4	\$0	\$0	\$0	\$5,750	\$0	
ECM								
UV control	\$60,000	5	\$0	\$0	\$0	\$0	\$72,000	
ECM motor upgrade	\$19,630	5	\$0	\$0	\$0	\$0	\$23,556	
exit sign upgrade	\$2,810	5	\$0	\$0	\$0	\$0	\$3,372	
plumbing fixtures	\$10,610	5	\$0	\$0	\$0	\$0	\$12,732	
refrigerator / freezer monitoring	\$3,600	5	\$0	\$0	\$0	\$0	\$4,320	
boiler plant controls	\$6,550	5	\$0	\$0	\$0	\$0	\$7,860	
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576	
BAS/EMS	\$8,170	5	\$0	\$0	\$0	\$0	\$9,804	
lighting upgrade	\$35,000	5	\$0	\$0	\$0	\$0	\$42,000	
Site								
concrete retaining wall repairs	\$5,000	3	\$0	\$0	\$5,500	\$0	\$0	
concrete walk, step and porch repair	\$2,500	2	\$0	\$2,625	\$0	\$0	\$0	
concrete walk step - renovation	\$10,000	5	\$0	\$0	\$0	\$0	\$12,000	
replace wood playground equipment	\$90,000	1	\$90,000	\$0	\$0	\$0	\$0	
replenish playground surface	\$2,000		\$0	\$1,000	\$0	\$1,000	\$0	
overlay parking lot	\$4,396	3	\$0	\$0	\$4,836	\$0	\$0	
paint front railings	\$2,500	3	\$0	\$0	\$2,750	\$0	\$0	
			\$0	\$0	\$0	\$0	\$0	
TOTAL	\$565,130		\$90,000	\$15,175	\$33,086	\$51,750	\$458,281	



Administrative Office		YEAR	BUILDING DATA:					Completed		
ITEM	Estimated Cost		FY 16	FY 17	FY 18	FY 19	FY 20			
				8,414						
replace windows	\$25,000	5	\$0	\$0	\$0	\$0	\$30,000			
repair/replace front steps	\$5,600	5	\$0	\$0	\$0	\$0	\$6,720			
crackfill, seal coat and restripe parking lot	\$5,752	5	\$0	\$0	\$0	\$0	\$6,902			
ECM			\$0	\$0	\$0	\$0	\$0			
HVAC controls upgrade	\$11,500	5	\$0	\$0	\$0	\$0	\$13,800			
exterior parking lot lights control	\$1,975	5	\$0	\$0	\$0	\$0	\$2,370			
central BAS/ EMS	\$4,320	5	\$0	\$0	\$0	\$0	\$5,184			
			\$0	\$0	\$0	\$0	\$0			
TOTAL	\$54,147		\$0	\$0	\$0	\$0	\$64,976			
Athletic Fields/ Facilities		YEAR	BUILDING DATA:					Completed		
ITEM	Estimated Cost		FY 16	FY 17	FY 18	FY 19	FY 20			
Stadium			\$0	\$0	\$0	\$0	\$0			
replace sinks in east and west locker rooms			\$0	\$0	\$0	\$0	\$0			
replace field light fixtures. Demand meter issues			\$0	\$0	\$0	\$0	\$0			
wire brush / paint lintels on home side enclosure	\$4,500	5								
replace water heaters	\$12,500	5	\$0	\$0	\$0	\$0	\$15,000			
crackfill, seal coat and restripe lot	\$9,000	1	\$9,000	\$0	\$0	\$0	\$0			
paint visitor bleachers (steel)	\$21,000	3	\$0	\$0	\$23,100	\$0	\$0			
TOTAL	\$47,000		\$9,000	\$0	\$23,100	\$0	\$15,000			



District wide		YEAR	BUILDING DATA:					Completed		
			FY 16	FY 17	FY 18	FY 19	FY 20			
ITEM	Estimated Cost									
Transportation Garage										
repave parking lot	\$56,000	5	\$0	\$0	\$0	\$0	\$67,200			
replace gutters, seal bottom of the building, re side the building	\$55,000	5	\$0	\$0	\$0	\$0	\$66,000			
install new exterior LED lighting		5	\$0	\$0	\$0	\$0	\$0			
replace perimeter fencing	\$16,500	5								
install proper drainage in bus compound	\$15,000	5	\$0	\$0	\$0	\$0	\$18,000			
bus replacement (3 per year)	\$1,350,000		\$270,000	\$270,000	\$270,000	\$270,000	\$270,000			
ECM										
HVAC controls upgrade	\$8,680	5	\$0	\$0	\$0	\$0	\$10,416			
central BAS/ EMS	\$4,230	5	\$0	\$0	\$0	\$0	\$5,076			
utility monitoring	\$7,980	5	\$0	\$0	\$0	\$0	\$9,576			
TOTAL	\$1,513,390		\$0	\$0	\$0	\$0	\$133,200			
			\$0	\$0	\$0	\$0	\$0			
Pre School Building										
replace windows	\$45,000	3	\$0	\$0	\$49,500	\$0	\$0			
paint exterior	\$6,500	1	\$6,500	\$0	\$0	\$0	\$0			
ECM										
HVAC controls upgrade	\$17,300		\$0	\$0	\$0	\$0	\$0			
central BAS/EMS	\$4,620		\$0	\$0	\$0	\$0	\$0			
utility monitoring	\$7,980		\$0	\$0	\$0	\$0	\$0			
Total	\$81,400		\$6,500	\$0	\$49,500	\$0	\$0			
Maintenance										
stainless steel tailgate spreader for dump truck	\$15,000	2	\$0	\$15,750	\$0	\$0	\$0			
replace 2002 dump truck	\$40,000	2	\$0	\$42,000	\$0	\$0	\$0			
transfer blueprints to disc	\$7,500	3	\$0	\$0	\$8,250	\$0	\$0			
purchase new salt spreader for Kubota for sidewalks	\$3,000	1	\$0	\$0	\$0	\$0	\$0			
TOTAL	\$65,500		\$0	\$57,750	\$8,250	\$0	\$0			



District Technology		YEAR	BUILDING DATA:					Completed		
			FY 16	FY 17	FY 18	FY 19	FY 20			
ITEM	Estimated Cost									
Administrative										
Asset refresh	\$150,000		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000			
Network upgrades			\$15,000	\$15,000	\$15,000	\$15,000	\$15,000			
			\$0	\$0	\$0	\$0	\$0			
			\$0	\$0	\$0	\$0	\$0			
Instructional Technology										
Asset refresh	\$450,000		\$90,000	\$90,000	\$90,000	\$90,000	\$90,000			
Network upgrades	\$25,000		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000			
TOTAL	\$625,000		\$120,000	\$120,000	\$120,000	\$120,000	\$120,000			

DISTRICT FACILITY ASSESSMENT							
						DATE	8/11/2015
SUMMARY SHEET							
SCHOOL	TOTAL COST/SCH	FY 16	FY 17	FY 18	FY 19	FY 20	
Troy High School	\$2,009,118	\$599,000	\$274,575	\$87,900	\$86,185	\$1,177,522	
Troy Junior High	\$984,963	\$35,800	\$81,900	\$82,900	\$156,800	\$680,196	
Van Cleve 6th Grade Building	\$792,450	\$56,600	\$90,200	\$152,980	\$94,575	\$486,660	
Concord Elementary	\$847,023	\$28,603	\$94,325	\$57,700	\$125,575	\$668,704	
Cookson Elementary	\$696,810	\$7,200	\$48,625	\$101,600	\$63,475	\$590,732	
Forest Elementary	\$741,360	\$24,600	\$28,390	\$70,820	\$78,625	\$665,112	
Heywood Elementary	\$621,599	\$23,769	\$82,325	\$48,750	\$50,450	\$516,796	
Hook Elementary	\$418,710	\$36,700	\$49,300	\$15,000	\$88,250	\$245,612	
Kyle Elementary	\$565,130	\$90,000	\$15,175	\$33,086	\$51,750	\$458,281	
Administration Building	\$54,147	\$0	\$0	\$0	\$0	\$64,976	
Athletics	\$47,000	\$9,000	\$0	\$23,100	\$0	\$15,000	
Transportation	\$1,513,390	\$0	\$0	\$0	\$0	\$133,200	
Warehouse	\$81,400	\$6,500	\$0	\$49,500	\$0	\$0	
Maintenance	\$65,500	\$0	\$57,750	\$8,250	\$0	\$0	
Technology	\$625,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	
Recommended contingency 4%	\$402,544	\$41,511	\$37,703	\$34,063	\$36,627	\$232,912	
Soft Cost 12%	\$1,255,937	\$129,514	\$117,632	\$106,278	\$114,278	\$726,684	
TOTALS	\$11,722,081	\$1,208,797	\$1,097,900	\$991,927	\$1,066,590	\$6,782,387	
		YEAR 1 + 2	\$2,306,697				
			YEAR 1 thru 3	\$3,298,623			
				YEAR 1 thru 4	\$4,365,214		
NOTES:				YEAR 1 thru 5	\$11,147,601		
1.) ESTIMATES ARE BASED ON ON-SITE WALK THRU, AND HISTORICAL DATA, AND ARE GENERAL IN NATURE. IMPROVEMENTS SELECTED WILL REQUIRE A MORE DETAILED INSPECTION TO BETTER DEFINE THE DESIGN ASSUMPTIONS AND SCOPE OF WORK.							
2.) WE RECOMMEND A 4% DESIGN CONTINGENCY BE PROVIDED UNTIL THE SCOPE OF WORK IS BETTER DEFINED.							
3.) THE PURPOSE OF THESE SHEETS IS TO COMPILE A LISTING OF NEEDS AND TO PROVIDE ESTIMATES FOR BUDGETING TOWARD THE DEVELOPMENT OF A LONG RANGE PLAN.							
4.) ESTIMATES ARE PREPARED FOR WORK TO BE BID WITHIN 12 MONTHS OF THIS REPORT. A 5% INFLATION FACTOR HAS BEEN ADDED FOR EACH ADDITIONAL YEAR							