## Coakley Middle School Norwood Public Schools

## Middle School Building Committee

July 18, 2022

## <u>Agenda</u>

July 11, 2022

- ◆ Votes to approve: meeting minutes, & vendor invoice package
- Recommendation of IDS as BMS Automation Consultant
- CMr Selection Process Update
  - Vote to approve RFQ Short List for RFP Solicitation
- Project Update

### July 18, 2022

## Votes to approve: meeting minutes

### Project Update

- Final review Design Development Scope Revision Options for budget management
- VOTE to accept scope revisions for budget management
   VOTE to submit Design Development package to the MSBA

## COAKLEY MIDDLE SCHOOL





Ai3 Architects, LLC Compass Project Management

# **LEVELING:** Items already taken through document development

ITEM	1 #	ITEM & DESCRIPTION	ACCEPTED	HOLD	DECLINED	
BLDG EXT	1	reduce rooftop unit screens	-\$17,000.00			
DEDGENT	2	reduce roof overhangs (roof area reduction of 410 sf	-\$35,875.00			
	3	modify wall types	-\$25,000.00			
ING	4	reduce casework in band by 6 l	f -\$4,620.00			
	5	move VR lab bench to FF&E	-\$19,600.00			
	6	remove acid waste piping/system	-\$352,200.00			
BL	7	remove item 1060 - already owned in 1048	-\$17,760.00			
	8	remove item 1062 - already owned in 1047	-\$25,920.00			

TOTAL DEDUCT
ESTIMATE LEVELING

ACCEPTED	HOLD	DECLINED					
\$497,975	\$0	\$0					

## **ORGANIZING CATEGORIES**

# **LEVELING:** \$497,975 Items already taken through document development

## **PRIORITY 1: \$3,579,968**

Items are highly recommended to accept - typical in school construction

**PRIORITY 2: \$2,284,488** Items are recommended - some typical in school construction, some District specific - may require discussion

## PRIORITY 3: \$2,453,506

Items may impact function, maintenance, or durability - use this category if any of the items in the lists above are unacceptable

PATH TO BUDGET

Total Reduction of Leveling, **Priority 1 & Priority 2 Categories:** \$6,362,431

**Target Reduction:** \$6,268,439

## **NOTES**

systems coordination

already taken - roof assembly @ \$87.5/sf

Based on acoustic report

Double owned curtains Double owned curtains

# PRIORITY 1: Items are highly recommended to accept - typical in school construction

ITEM	1 #	ITEM & DESCRIPTION A	CCEPTED	HOLD	DECLINED	)
PHASING	9	Construct Mock-up wall as part of building	-\$50,000.00			
SR	10	remover exterior mounted sunshades at classrooms & band/choral - interior blinds are included - 475'lf vertical; 26'lf horizontal	-\$99,680.00			keep e
RIC	11	remove exterior sunscreens @ media center and commons - 519 If horizontal	-\$93,420.00			
- EXTERIOR *	12	reduce height of 4th floor by 2' (from 16' to 14')	-\$340,000.00			
÷ #	13	use PVC trim at entrance canopies ILO exterior metal panel (350 sf)		-\$10,500.00		
Sz *	14	use fiber cement exterior cladding ILO exterior metal panel @ Media Center (4,875 sf)		-\$156,000.00		
BUILDING	15	remove 300sf of exterior envelope - fiber cement @ FLR 2 above kitchen	-\$26,025.00			
BU	16	remove 300sf of exterior envelope - brick @ FLR 2 above kitchen	-\$23,325.00			
_	17	Reduce underslab insulation from 100% area to 2' at perimeter (reduce from 70,972 sf to 5,000 sf)	-\$164,930.00			
	18	remove transoms at classroom entries	-\$98,400.00			
	19	use ACT ILO painted GWB at toilet rooms - 5217 sf	-\$20,868.00			
	20	use ACT ILO painted GWB at locker rooms 1577 sf	-\$6,308.00			
	21	remove GWB soffits in classrooms - ACT to extend to wall - 1500 lf	-\$120,000.00			
	22	remove GWB soffits in corridors above lockers - 735 lf	-\$16,295.00			
	23	reduce size of acordion folding fire door by 25.5 sf	-\$7,650.00			
	24	reduce acordion folding doors to 140 sf and replace with (5) double swing doors	-\$45,890.00			keep
	25	reduce climbing wall in gym to size that matches existing climbing wall	-\$61,950.00			
- INTERIOR	26	remove sliding marker boards in student collab space - provide 30 sf MB instead	-\$7,340.00			
ERI	27	Modify railing design at auditorium - reduce cost from \$400 to \$300 lf	-\$13,500.00			
Ę	28	remove wood wall panels in media center & replace with fabric acoustic panels	-\$19,485.00			
	29	move kiln to FF&E	-\$10,000.00			
<b>۳</b> א	30	remove trash can cabinets in student commons	-\$19,200.00			
	31	reduce wall tile in all <u>multi-fixture bathroom</u> from all 4 walls to ceiling to be wet wall to ceiling and other walls to 4' (reduce by 1,500 sf)	-\$42,450.00			
BU *	32	further reduce wall tile in GIRLS multi-fixture bathroom from item above to only wet walls having tile to ceiling,				
		other walls painted GWB (reduce by 600 sf)	-\$16,980.00			
	33	reduce wall tile in <u>single use bathroom</u> from all 4 walls to ceiling to be wet wall to ceiling and other walls to 4' (reduce by 3,300 sf)	-\$93,390.00			
	34	further reduce tile in single use bathrooms to be 4' at all walls (reduce by 1,400 sf)	-\$39,620.00			
	35	further reduce tile in <b>single use bathrooms</b> to be 4' at wet wall only (reduce by 2,600 sf)	-\$73,580.00			
*	36	Remove tile in student commons space other than at piers up to 4' AFF (reduce by 1,400 sf)	-\$39,620.00			1
*	37	remove tile in corridor other than around classroom entries or at piers - height at 4'AFF (reduce by 12,000 sf)	-\$339,600.00			
	38	use FRP panels in custodial mop areas ILO ceramic tile (160 sf)	-\$2,720.00			

### NOTES

p exterior mounted sunshades at commons, media center, & gymnasium

keep exterior sunscreens @ gymnasium

wall @ \$75/sf, perimeter length = 1200'

metal panel @ \$80, PVC @ \$50

\_ \_ \_ \_ \_ \_ \_ \_ \_ \_

Reduce width from 16'-6" to 13'-6" @ \$300/sf

eep one acordion door at wide opening by stair 2, floor 2

Existing approx. 37'x8'

Reduce complexity and modify materials

## **PRIORITY 1:** Items are highly recommended to accept - typical in school construction

ITEM	1 #	ITEM & DESCRIPTION	ACCEPTED	HOLD	DECLINED
	39	reduce landscape category by 109	6 -\$74,328.00		
*	40	Remove poured in place safety surface & replace with grass & small paved area (30'x30'	) -\$127,615.05		
*	41	remove playground equipmen	t -\$150,000.00		
	42	Remove lit bollards from electrical site plan	n -\$12,000.00		N
	43	remove low seat wall - replace with benche	s -\$49,023.00		
	44	change green screen fencing to planting buffe	r -\$74,575.00		
	45	Remove school entry signs from projec	t -\$70,000.00		
	46	reduce quantity of ornamental benches from 15 to 1	7 -\$28,000.00		
SITE	47	reduce quantity of bike racks from 16 to 8	3 -\$6,800.00		
SI-	48	use existing athletic benche	s -\$15,000.00		
	49	use existing soccer goal			
	50	remove concrete pavers and replace with broom finished concrete - 2,107 s	f -\$52,675.00		
	51	switch from concrete to asphalt at walkways further away from building - approx 9,963 s	f -\$87,674.40		
	52	use bituminous curb ILO granite @ locations away from building - approx 7,510 l	f -\$193,382.50		
	53	remove asphalt sidewalk at perimeter access road adjacent to fields. Remove retaining wall and use plantings to	D		Wa
	53	stabilize sloped earth from road down to field	\$181,540.00		
	54	remove ornamental fence @ playground - 186 l	f -\$23,250.00		
	55	change ornamental fence to wire mesh fence - 672 I	f -\$20,160.00		
	56	remove outdoor dining tables & benches & reuse existing	g -\$50,421.00		
	57	remove "power scrubber" from lower level kitchen & add in typical 3-pot sin	k -\$18,000.00		
	58	reduce the size of the interactive displays from 86" to 75" at all locations (96 locations	<i><i><i>q</i>=0,000.00</i></i>		
	59	further reduce the size of the displays from 75" to 65" in smaller rooms (16 locations)	<u></u>		
S	60	reduce digital signage budget from \$85,000 to \$65,000			
SYSTEMS	61	Remove portable sound system			+ +
STI	62	Remove portable assistive listening system			
SY	63	make basketball hoops manual ILO electric			+ +
	64	reduce lighting package by 109			+ +
	65	provide aluminum power distribution feeders (sizes over 100 amps) ILO copper feeders (provide copper feeders fo			
	65	100 amps and lower	) -\$175,000.00		

TOTAL DEDUCT PRIORITY 1		
ACCEPTED	HOLD	DECLINED
\$3,579,968	\$166,500	\$0

### NOTES

### May impact LEED credits (2)

ot needed per code & landscape owns ornamental at same location

8 benches added

Quantity - 6 Quantity - 4

At back of building

alking path continuity would cross perimeter road twice and continue along building

quantity is less the playground fence above

Reduce quantity of monitors

possibly could be purchased at a later time -FF&E

possibly could be purchased at a later time -FF&E

9 locations

# **PRIORITY 2:** Items are recommended - some typical in school construction, some District specific - may require discussion

ITEM	1 #	ITEM & DESCRIPTION	ACCEPTED	HOLD	DECLINED	
CONCESSIONS	66	Concessions building move to be an add-alternate	-\$410,448.00			_
*	67	remove overhead coiling doors at custodial and kitchen loading dock and replace with double swing doors	5		-\$5,600.00	
5 EO	68	use fully adhered EPDM (rubber) roof membrane ILO fully adhered PVC roof membrane				
IOR BUILDIN	69	reduce quantity of CW by 1,350 s				
	70	change 1,500 sf of CW to SP				
	71	reduce roof overhang @ all floors by 6" (750 sf	···			
	72	further reduce roof overhang @ all floors by 6			+	
*	73	use floor mounted toilet partitions ILO ceiling hung			-\$12,300.00	
	74	remove wood slat walls in student commons and replace with painted GWB w/ reveals (1180 sf	) -\$58,174.00			
	75	reduce wood paneling in auditorium - @ stage apron - 140 s	f -\$11,102.00			
	76	remove wood soffits @ both commons - replace with painted GWB - 2281 s	f -\$132,298.00			
OR	77	remove wood panel walls @ both commons - replace with painted GWB - 1294 s	f -\$102,614.20			
ERI	78	change 2,540sf of interior storefront to hollow meta	l -\$25,400.00			
NT	79	reduce bleacher capacity in gymnasium from 296 to 218	3 -\$20,670.00			
	80	change 303 sf of interior CW to 260 sf of SF - upper commons - reduce size & add 60 sf of horizontal soffi	t -\$11,640.00			
UN BN	81	replace ceramic floor tile in restrooms with poured epoxy - 4,200 s	f -\$50,400.00			
BNITDING	82	replace ceramic floor tile in locker rooms with poured epoxy - 285 s	f -\$3,420.00			
l 0	83	use pured epoxy floor in lower level kitchen ILO quarry tile (1,847 sf	) -\$25,858.00			
-	84	use painted concrete ILO stained concrete for floor in PTS (414 sf	) -\$3,933.00			
*	85	remove open shelving casework in fullsize typical classrooms in grades 6, 7, & 8	3 -\$305,025.00			
	86	change upper wall cabinets to open shelving units in teaching spaces - 1257	f -\$56,565.00			
*	87	use chemical resistant laminate ILO epoxy counters in spaces listed	ł	-\$83,400.00		

## NOTES

reduce \$1.50/sf reduction of CW that has spandrel panels Quantity reflects taking previous VE item roof @ \$87.5/sf

> Add to item above 41 locations

Include only at main court

Tile = \$32sf Poured floor = \$18sf polished concrete @ \$12.00sf

reduce from 1,356 LF to 485 lf

# **PRIORITY 2:** Items are recommended - some typical in school construction, some District specific - may require discussion

ITEM	1 #	ITEM & DESCRIPTION	ACCEPTED	HOLD	DECLINED	
*	88	remove 9 of the 10 outdoor storage units			-\$112,500.00	
	89	remove 20' tall ball control netting	-\$95,800.00			
	90	use asphalt walkways ILO concrete @ all remaining locations - 19,269 sf	-\$169,567.20			
SITE	91	use concrete walkways ILO concrete pavers @ main entries - 3115 sf	-\$77,875.00			
S	92	use asphalt walkways ILO concrete @ main entries - 3115 sf	-\$27,412.00			
	93	use bituminous curb ILO granite @ all remaining locations	-\$58,349.50			
	94	Remove electric vehicle charging stations - Loss of 1 LEED credit	-\$56,000.00			r
۲ <b>*</b>	95	use manual flush valves ILO automatic flush valves	1		-\$9,240.00	
SN 🗶	55		ł – – – – – – – – – – – – – – – – – – –		-25,240.00	

	95			-\$9,240.00	
_ ₽	96	remove voice lift system from classrooms and use 60w 70v amp mounted on tv on wall, with 4 ceiling speakers -			
,ST	50	no microphone	-\$163,200.00		
۶N	97	remove device box with conduit stub above ceiling for Voice Lift system	-\$27,950.00		

TOTAL DEDUCT PRIORITY 2		
ACCEPTED	HOLD	DECLINED
\$2,284,488	\$83,400	\$139,640

TOTAL FROM CATEGORIES ABOVE								
ACCEPTED	HOLD	DECLINED <b>\$139,640</b>						
\$6,362,431	\$249,900							

**TARGET DEDUCT = \$6,268,439** 

ACCEPTING THE ITEMS IN THIS AND ALL PREVIOUS CATEGORIES PROVIDES A PATH TO BUDGET.

## NOTES

keep one for turf maintenance equipment

removes equipment, underground conduit still provided

84 locations

96 locations

does not affect amp/speaker scenario above

# **PRIORITY 3:** Items may impact function, maintenance, or durability - use this category if any of the items in the lists above are unacceptable

ITEM	<b>/</b> #	ITEM & DESCRIPTION	ACCEPTED	HOLD	DECLINED
	98	use rigid vinyl wall panel ILO tile at bathroom wa	ls	-\$130,000.00	(
5 Z	99	use rigid vinyl wall panel ILO tile at corridor @ 3' hig	h	-\$144,313.00	
BUILDING	100	remove all remaining exterior sunscreens @ gymnasium - 120 If vertical, 250 If horizont	al	-\$69,000.00	
2	101	remove RTU roof screens - additional structural steel require	d	-\$65,000.00	
	102	remove RTU roof screens - screen louver ite	n	-\$187,000.00	
ш.	103	Use regular convection oven ILO combi oven - ground floo	or	-\$25,000.00	Ma
OOD SERVICE EQUIPMENT	104	Use regular convection oven ILO combi oven - third floo	or	-\$25,000.00	Ν
	105	Use regular cold or hot wells ILO convertible hot/cold wells - ground floo	or	-\$12,000.00	
FOOD	106	Use regular cold or hot wells ILO convertible hot/cold wells - third floo	or	-\$12,000.00	
	107	Delete ice maker & floor trough - buy ice when neede	d	-\$10,000.00	
	108	Delete pot and pan washer - wash all pots and pans by han		-\$17,000.00	
	109	remove pendant light fixtures from classrooms and use recessed 2x2 ligh	ts	-\$325,792.50	
S	110	have Norwood Light provide transformer and all other items typically supplied by utility provide		-\$600,000.00	NO
SYSTEMS	111	remove emergency generator and all circuting requirements - utilize battery lights (generator, duct banks & par	(k	-\$523,400.00	
SYS	112	remove parking security camera	as	-\$133,000.00	
	113	remove all exterior building cameras except for ones convering the doo	rs	-\$80,000.00	
	114	Remove building lightning protection	n	-\$95,000.00	

TOTAL DEDUCT PRIORITY 3		
ACCEPTED	HOLD	DECLINE
\$0	\$2,453,506	\$0

## NOTES

Calculations based on tile scope reductions noted above

Calculations based on tile @ 3'

shades not included in gymnasium - maintenance issue

ay require the addition of a steamer and increasing the hood length

May require the addition of a steamer and increasing the hood length

increase quantity by 30%

OTE increase electrical rates - reduction also estimated, not calculated

CONFIRM ACCEPTABLE WITH INSURANCE COMPANY

# **POTENTIAL ADDITIONAL ITEMS:** Items reduce square footage or are associated with an item in a previous list

		POTENTIAL ADDITIONAL ITEMS			
5	115	CURRENT: 600 seats, 2 aisles	\$0.00		
	116	550 seats, 4 aisles			
Ď	117	550 seats, 2 aisles	-\$514,000.00		
UDITORIU	118	500 seats, 4 aisles	-\$533,000.00		
AL	119	500 seats, 2 aisles	-\$1,028,000.00		
	120	reduce thickness of wall insulation	-\$859.00		
CONCESSIONS	121	remove fiber cement and replace with splitface			1
00	122	remove precast watertable and use splitface			CA
ESG	123	use ACT ILO painted GWB in bathroom	-\$208.00		1
NC	124	paint concrete floors in Concessions Building ILO polished Concrete (238sf)	-\$2,261.00		1
l Ö	125	reduce underslab insulation from 100% floor area to 2' at perimeter (reduce from 630 to 200sf)	-\$1,075.00		]
	126	PLAM counter at the concessions building ILO stainless steel	-\$1,600.00		

reduced seat quantity, room size remains

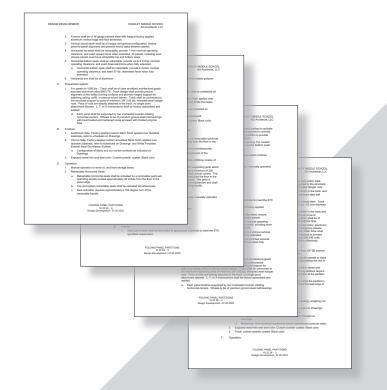
### CAN NOT BE TAKEN IF ADD ALTERNATE ITEM ABOVE IS ACCEPTED (TOTAL = \$15,243)

# **Design Development Submission:** OVERVIEW

## FURTHER DEVELOPED

# Project Specifications 2 VOLUMES (~1,830 pages)

3-part specifications in CSI Divisions defining scope, materials, finishes, products, equipment, and installation requirements including workmanship.



COAKLEY

MIDDLE

SCHOOL

## **Drawings**

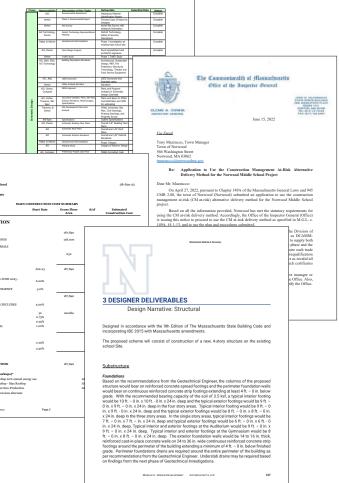
- 2 VOLUMES (~430 sheets)
- Civil
- Landscape •
- Architecture •
- Food Service
- Structure •

- - - - - 2

• Plumbing

- Fire Protection
- Mechanical
- Electrical
- Technology
- Theater
- Solar

# Report





AD

50

**A**3

## (~500 pages) • Project Schedule **Design Narratives** Code Analysis **Project Reports** Cost Estimates



# Next Middle School Building Committee meeting: August 15