## Coakley Middle School <br> Norwood Public Schools

Middle School Building Committee
Agenda

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


## July 78.2022

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

M I D D LE
SCHOOL
Ais
COMPASS

LEVELING:
Items already taken through document development

| ITEM \# |  | ITEM \& DESCRIPTION A | ACCEPTED | HOLD | DECLINED | NOTES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BLDG EXT | 1 | reduce rooftop unit screens | S -\$17,000.00 |  |  | systems coordination |
|  | 2 | reduce roof overhangs (roof area reduction of 410 sf ) | ) $-\$ 35,875.00$ |  |  | already taken - roof assembly @ \$87.5/sf |
|  | 3 | modify wall types | - $\$ 25,000.00$ |  |  | Based on acoustic report |
|  | 4 | reduce casework in band by 6 If | f -\$4,620.00 |  |  |  |
|  | 5 | move VR lab bench to FF\&E | - $\$ 19,600.00$ |  |  |  |
|  | 6 | remove acid waste piping/system | -\$352,200.00 |  |  |  |
|  | 7 | remove item 1060 - already owned in 1048 | -\$17,760.00 |  |  | Double owned curtains |
|  | 8 | remove item 1062 - already owned in 1047 | -\$25,920.00 |  |  | Double owned curtains |
| 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

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

Target Reduction: \$6,268,439

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

| ITEM \# |  | ITEM \& DESCRIPTION A | ACCEPTED | HOLD | DECLINED | NOTES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PHASING | 9 | Construct Mock-up wall as part of building | -\$50,000.00 |  |  |  |
|  | 10 | remover exterior mounted sunshades at classrooms \& band/choral - interior blinds are included - 475'If vertical; <br> 26'If horizontal | -\$99,680.00 |  |  | keep exterior mounted sunshades at commons, media center, \& gymnasium |
|  | 11 | remove exterior sunscreens @ media center and commons - 519 If horizontal | -\$93,420.00 |  |  | keep exterior sunscreens @ gymnasium |
|  | 12 | reduce height of 4th floor by $\mathbf{2}^{\prime}$ (from 16' to 14') | -\$340,000.00 |  |  | wall @ \$75/sf, perimeter length = 1200' |
|  | 13 | use PVC trim at entrance canopies ILO exterior metal panel ( 350 sf ) |  | -\$10,500.00 |  | metal panel @ \$80, PVC @ \$50 |
|  | 14 | use fiber cement exterior cladding ILO exterior metal panel @ Media Center ( $4,875 \mathrm{sf}$ ) |  | -\$156,000.00 |  |  |
|  | 15 | remove 300sf of exterior envelope - fiber cement @ FLR 2 above kitchen | -\$26,025.00 |  |  |  |
|  | 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 $5,000 \mathrm{sf}$ ) | -\$164,930.00 |  |  |  |
| BUILDING - INTERIOR | 18 | - | - $\$ 98,400.00$ |  |  |  |
|  | 19 | use ACT ILO painted GWB at toilet rooms - 52217 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 If | -\$120,000.00 |  |  |  |
|  | 22 | remove GWB soffits in corridors above lockers - 735 If | -\$16,295.00 |  |  |  |
|  | 23 | reduce size of acordion folding fire door by 25.5 sf | -\$7,650.00 |  |  | Reduce width from 16'-6" to 13'-6" @ \$300/sf |
|  | 24 | reduce acordion folding doors to 140 sf and replace with (5) double swing doors | -\$45,890.00 |  |  | keep one acordion door at wide opening by stair 2, floor 2 |
|  | 25 | reduce climbing wall in gym to size that matches existing climbing wall | -\$61,950.00 |  |  | Existing approx. $37 \mathrm{\prime} \times 8$ ' |
|  | 26 | remove sliding marker boards in student collab space - provide 30 sf MB instead | -\$7,340.00 |  |  |  |
|  | 27 | Modify railing design at auditorium - reduce cost from \$400 to \$300 If | -\$13,500.00 |  |  | Reduce complexity and modify materials |
|  | 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 |  |  |  |
|  | 30 | remove trash can cabinets in student commons | -\$19,200.00 |  |  |  |
|  | 31 | reduce wall tile in all multi-fixture bathroom from all 4 walls to ceiling to be wet wall to ceiling and other walls to $4^{\prime}$ (reduce by $1,500 \mathrm{sf}$ ) | -\$42,450.00 |  |  |  |
|  | 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 single use bathroom from all 4 walls to ceiling to be wet wall to ceiling and other walls to $4^{\prime}$ (reduce by $3,300 \mathrm{sf}$ ) | -\$93,390.00 |  |  |  |
|  | 34 | further reduce tile in single use bathrou. | -\$39,620.00 |  |  |  |
|  | 35 | further reduce tile in single use bathrooms to be 4 ' at wet wall only (reduce by $2,600 \mathrm{sf}$ ) | -\$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 |  |  |  |
|  | 37 | remove tile in corridor other than around classroom entries or at piers - height at 4'AFF (reduce by $12,000 \mathrm{sf}$ ) | -\$339,600.00 |  |  |  |
|  | 38 | use FRP panels in custodial mop areas ILO ceramic tile (160 sf) | -\$2,720.00 |  |  |  |

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

| ITEM \# |  | ITEM \& DESCRIPTION A | CEPTED | HOLD | DECLINED | NOTES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 米 <br> $\stackrel{\text { w }}{\text { 采 }}$ | 39 | reduce landscape category by $10 \%$ | -\$74,328.00 |  |  | May impact LEED credits (2) |
|  | 40 | Remove poured in place safety surface \& replace with grass \& small paved area ( $30^{\prime} \times 30^{\prime}$ ) | -\$127,615.05 |  |  |  |
|  | 41 | remove playground equipment | -\$150,000.00 |  |  |  |
|  | 42 | Remove lit bollards from electrical site plan | -\$12,000.00 |  |  | Not needed per code \& landscape owns ornamental at same location |
|  | 43 | remove low seat wall - replace with benches | -\$49,023.00 |  |  | 8 benches added |
|  | 44 | change green screen fencing to planting buffer | -\$74,575.00 |  |  |  |
|  | 45 | Remove school entry signs from project | - $\$ 70,000.00$ |  |  |  |
|  | 46 | reduce quantity of ornamental benches from 15 to 7 | -\$28,000.00 |  |  |  |
|  | 47 | reduce quantity of bike racks from 16 to 8 | -\$6,800.00 |  |  |  |
|  | 48 | use existing athletic benches | -\$15,000.00 |  |  | Quantity - 6 |
|  | 49 | use existing soccer goals | -\$18,000.00 |  |  | Quantity - 4 |
|  | 50 | remove concrete pavers and replace with broom finished concrete - $2,107 \mathrm{sf}$ | -\$52,675.00 |  |  | At back of building |
|  | 51 | switch from concrete to asphalt at walkways further away from building - approx 9,963 sf | -\$87,674.40 |  |  |  |
|  | 52 | use bituminous curb ILO granite @ locations away from building - approx 7,510 If | -\$193,382.50 |  |  |  |
|  | 53 | remove asphalt sidewalk at perimeter access road adjacent to fields. Remove retaining wall and use plantings to stabilize sloped earth from road down to field. | -\$181,540.00 |  |  | Walking path continuity would cross perimeter road twice and continue along building |
|  | 54 | remove ornamental fence @ playground - 186 If | -\$23,250.00 |  |  |  |
|  | 55 | change ornamental fence to wire mesh fence - 672 If | -\$20,160.00 |  |  | quantity is less the playground fence above |
|  | 56 | remove outdoor dining tables \& benches \& reuse existing | -\$50,421.00 |  |  |  |
| $\frac{\sum_{i}^{n}}{\frac{n}{n}}$ | 57 | remove "power scrubber" from lower level kitchen \& add in typical 3-pot sink | -\$18,000.00 |  |  |  |
|  | 58 | reduce the size of the interactive displays from 86 " to 75 " at all locations ( 96 locations) | -\$105,600.00 |  |  |  |
|  | 59 | further reduce the size of the display from 75 "to 65 " in smaller rooms (16 locations) | -\$17,600.00 |  |  |  |
|  | 60 | reduce digital signage budget from \$85,000 to \$65,000 | -\$20,000.00 |  |  | Reduce quantity of monitors |
|  | 61 | Remove portable sound system | -\$2,000.00 |  |  | possibly could be purchased at a later time -FF\&E |
|  | 62 | Remove portable assistive listening system | -\$1,500.00 |  |  | possibly could be purchased at a later time -FF\&E |
|  | 63 | make basketball hoops manual ILO electric | -\$13,500.00 |  |  | 9 locations |
|  | 64 | reduce lighting package by $10 \%$ | -\$100,098.00 |  |  |  |
|  | 65 | provide aluminum power distribution feeders (sizes over 100 amps ) ILO copper feeders (provide copper feeders for 100 amps and lower) | -\$175,000.00 |  |  |  |


| $\|$TOTAL DEDUCT <br> PRIORITY 1 |  |  |
| :---: | :---: | :---: |
| ACCEPTED | HOLD | DECLINED |
| $\$ 3,579,968$ | $\$ 166,500$ | $\mathbf{\$ 0}$ |

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

| ITEM \＃ |  | ITEM \＆DESCRIPTION A | ACCEPTED | HOLD | DECLINED | NOTES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  | －\＄5，600．00 |  |
|  | 68 | use fully adhered EPDM（rubber）roof membrane ILO fully adhered PVC roof membrane | －\＄123，487．50 |  |  | reduce \＄1．50／sf |
|  | 69 | reduce quantity of CW by $1,350 \mathrm{sf}$ | －\＄98，550．00 |  |  | reduction of CW that has spandrel panels |
|  | 70 | change 1，500 sf of CW to SF | －\＄37，500．00 |  |  | Quantity reflects taking previous VE item |
|  | 71 | reduce roof overhang＠all floors by 6＂（750 sf） | －\＄65，625．00 |  |  | roof＠\＄87．5／sf |
|  | 72 | further reduce roof overhang＠all floors by $6^{\prime \prime}$ | －\＄65，625．00 |  |  | Add to item above |
| 米 | 73 | －ーーラse floor mounted toilet partitions ILO ceiling hung |  |  | －$\$ 12,300.00$ | 41 locations |
|  | 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 sf | －\＄11，102．00 |  |  |  |
|  | 76 | remove wood soffits＠both commons－replace with painted GWB－ 2281 sf | －\＄132，298．00 |  |  |  |
|  | 77 | remove wood panel walls＠both commons－replace with painted GWB－ 1294 sf | －\＄102，614．20 |  |  |  |
|  | 78 | change 2，540sf of interior storefront to hollow metal | －\＄25，400．00 |  |  |  |
|  | 79 | reduce bleacher capacity in gymnasium from 296 to 218 | －\＄20，670．00 |  |  | Include only at main court |
|  | 80 | change 303 sf of interior CW to 260 sf of SF－upper commons－reduce size \＆add 60 sf of horizontal soffit | －\＄11，640．00 |  |  |  |
|  | 81 | replace ceramic floor tile in restrooms with poured epoxy－4，200 sf | －\＄50，400．00 |  |  |  |
|  | 82 | replace ceramic floor tile in locker rooms with poured epoxy－ 285 sf | －\＄3，420．00 |  |  |  |
|  | 83 | use pured epoxy floor in lower level kitchen ILO quarry tile（1，847 sf） | －\＄25，858．00 |  |  | Tile $=$ \＄ 32 sf Poured floor $=$ \＄ 18 sf |
|  | 84 | use painted concrete ILO stained concrete for floor in PTS（414 sf） | －\＄3，933．00 |  |  | polished concrete＠\＄12．00sf |
| 米 | 85 | remove open shelving casework in fullsize typical classrooms in grades $6,7, \& 8$ | －\＄305，025．00 |  |  | reduce from 1，356 LF to 485 If |
|  | 86 | change upper wall cabinets to open shelving units in teaching spaces－ 1257 If | －\＄56，565．00 |  |  |  |
| ＊ | 87 | use chemical resistant laminate ILO epoxy counters in spaces listed |  | －\＄83，400．00 |  |  |

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


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

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

| ITEM \# |  | ITEM \& DESCRIPTION A | ACCEPTED | HOLD | DECLINED | NOTES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { O} \\ & \text { 릉 } \\ & \stackrel{1}{3} \end{aligned}$ | 98 | use rigid vinyl wall panel ILO tile at bathroom walls |  | -\$130,000.00 |  | Calculations based on tile scope reductions noted above |
|  | 99 | use rigid vinyl wall panel ILO tile at corridor @ 3' high |  | -\$144,313.00 |  | Calculations based on tile @ 3' |
|  | 100 | remove all remaining exterior sunscreens @ gymnasium - 120 If vertical, 250 If horizontal |  | -\$69,000.00 |  | shades not included in gymnasium - maintenance issue |
|  | 101 | remove RTU roof screens - additional structural steel required |  | -\$65,000.00 |  |  |
|  | 102 | remove RTU roof screens - screen louver item |  | -\$187,000.00 |  |  |
|  | 103 | Use regular convection oven ILO combi oven - ground floor |  | -\$25,000.00 |  | May require the addition of a steamer and increasing the hood length |
|  | 104 | Use regular convection oven ILO combi oven - third floor |  | - $25,000.00$ |  | May require the addition of a steamer and increasing the hood length |
|  | 105 | Use regular cold or hot wells ILO convertible hot/cold wells - ground floor |  | -\$12,000.00 |  |  |
|  | 106 | Use regular cold or hot wells ILO convertible hot/cold wells - third floor |  | -\$12,000.00 |  |  |
|  | 107 | Delete ice maker \& floor trough - buy ice when needed |  | -\$10,000.00 |  |  |
|  | 108 | Delete pot and pan washer - wash all pots and pans by hand. |  | - \$17,000.00 |  |  |
| $\begin{aligned} & \sum_{i}^{n} \\ & \stackrel{n}{n} \end{aligned}$ | 109 | remove pendant light fixtures from classrooms and use recessed $2 \times 2$ lights |  | -\$325,792.50 |  | increase quantity by $30 \%$ |
|  | 110 | have Norwood Light provide transformer and all other items typically supplied by utility provider |  | -\$600,000.00 |  | NOTE increase electrical rates - reduction also estimated, not calculated |
|  | 111 | remove emergency generator and all circuting requirements - utilize battery lights (generator, duct banks \& pad) |  | -\$523,400.00 |  |  |
|  | 112 | remove parking security cameras |  | -\$133,000.00 |  |  |
|  | 113 | remove all exterior building cameras except for ones convering the doors |  | - $880,000.00$ |  |  |
|  | 114 Remove building lightning protection |  |  | -\$95,000.00 |  | CONFIRM ACCEPTABLE WITH INSURANCE COMPANY |
| TOTAL DEDUCT PRIORITY 3 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | ACCEPTED Hold |  | decline |  |
|  |  |  | \$0 | \$2,453,506 | \$0 |  |

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


## 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

M I D D LE
SCHOOL

## Drawings

2 VOLUMES (~430 sheets)

- Civil
- Fire Protection
- Landscape
- Mechanical
- Architecture
- Electrical
- Food Service
- Technology
- Structure
- Theater
- Plumbing
- Solar


## Report

(~500 pages)

- Project Schedule
- Design Narratives
- Code Analysis
- Project Reports
- Cost Estimates



## Next Middle School Building Committee meeting:

## August 15



