

THIS IS A DECISION PAPER

TO: HARDIN COUNTY BOARD OF EDUCATION MEMBERS

FROM: NANNETTE JOHNSTON, SUPERINTENDENT

DATE: NOVEMBER 19, 2009

SUBJECT: APPROVAL OF A CHANGE ORDERS UNDER \$10,000

FACTS:

The Board has requested that all change orders under \$10,000 be listed on the consent agenda for their approval. This procedure change will take less time at Board meetings but also allows the Board the option to pull items they may wish to discuss for further clarification.

The following change order items are presented to the board for consideration:

1. North Hardin High School- Phase 2 and 3

	Item	Reason For Change	Amount
1.1	Add wall pads in Gymnasium	Wall pads were request by school principal as a safety measure.	\$8,625.00
1.2	In Chemistry Lab 204, provide and install DVD/VCR player and class amplification system and install owner provided Smartboard. This change also reflects a credit for masonry work in Lecture 204A per drawing MOD.12.	The electronic equipment was added at the schools request to make this classroom more functional.	\$2,421.00
1.3	Provide new steel lintel and associated drywall soffit @ Corridor 156.	During construction it was determined that a steel soffit and steel lintel would be required at this location.	\$1,915.00
1.4	Provide steel column to accommodate new building layout.	During construction it was discovered that a new steel column would be required to allow the new gymnasium to be placed as planned.	\$655.00
1.5	Provide new data and electrical outlets in Food 104.	School personnel requested that the additional data and electrical outlets be added in this space to make this space more functional.	\$2,485.00
1.6	Provide two 2'x2' lay in fixtures in the Nurses Station.	School personnel requested that the additional light fixtures be added in this space to make this space more functional.	\$635.00
1.7	Reroute existing fire alarm and power wiring in elevator shaft.	The State Elevator Inspector required this work to be performed.	\$688.00
1.8	Install two light fixtures with wire guard in elevator machine room.	The State Elevator Inspector required this work to be performed.	\$589.00
1.9	Add exterior finish to clerestory over media center.	Contract documents did not specify finish material. Providing this material provides a finished weatherproof end product.	\$9,950.00
		Total North Hardin High School Changes	\$27,963.00

2. Bus Garage - Jenkins-Essex Construction

	Item	Reason For Change	Amount
2.1	Add eight steel bollards on exterior of building.	City of Radcliff building inspector required protection of fuel tanks.	\$2,875.00
2.2	Add five steel bollards inside the building	City of Radcliff building inspector required protection of fuel tanks.	\$3,124.16
2.3	Add fire dampers where existing HVAC supply and return ductwork penetrate an existing wall.	City of Radcliff building inspector required the inclusion of fire dampers at this location.	\$2,185.00
2.4	Grade and install new asphalt to the west and south of new bus wash area. Add concrete stoop at bus wash door.	Civil engineer (Mike Billings observed during construction that existing grades required modification for this area to drain properly. This change entails removal of existing asphalt, re-grading area to drain and installation of new asphalt. Additionally a concrete slab was required by building department to be installed outside the bus wash door.	\$5,308.07
2.5	Reduce the amount of new insulation to be installed in the Bus Service Bay.	The insulation installer relayed that to install the insulation over the whole service bay that he would have to cut the insulation were existing conduits, structural supports were located and that it would result in a less than desirable end product. It was determined to only install new insulation in the area that was repaired as result of a fire before the Hardin County School System purchased the building. This required that the existing roof be removed, the new insulation installed and then the original roof to be re-installed.	(\$14,048.00)
2.6	Add four vacuum pumps @ bus lift pits with automated sensors.	Adding pumps with automated sensors will eliminate water accumulation in bus lift pits.	\$9,562.25
2.7	Provide exterior component to exit lights and add emergency light at one location.	City of Radcliff building inspector required additional emergency and exit lights.	\$1,093.93
		Total Bus Garage	\$10,100.41

3. Mulberry-Helm Education Center Reroofing - Swift Roofing

	Item	Reason For Change	Amount
3.1	Add seven scuppers and associated saddles to accommodate unexpected raised concrete slab edge conditions.	Upon removal of existing roofing materials it was determined that a raised concrete edge was in place and it was determined that adding seven scuppers and associated saddles would be required.	\$7,100.00
3.2	Rework existing rear entry canopy and install new canopy emergency lights with a new associated interior exit light.	During construction it was determined that the existing canopy at this location required replacement along with associated emergency and exit lighting.	\$4,299.00
		Total Mulberry-Helm Changes	\$11,399.00

4. Parkway Elementary School – Partial Roofing – Swift Roofing

	Item	Reason For Change	Amount
4.1	Revised adhesive from rubberized cold adhesive to standard.	Roofing material supplier (Tremco) mistakenly delivered standard adhesive in lieu of rubberized cold adhesive and offer a credit for the difference.	(\$6,136.00)
		Total Parkway Elementary Changes	(\$6,136.00)

5. North Hardin High School Partial Reroofing - Swift Roofing

	Item	Reason For Change	Amount
5.1	Add roof drains to improve drainage on classroom roof.	During the reroofing process it was determined that additional roof drains would be required to provide positive drainage at this location.	\$9,240.00
5.2	Replace three existing roof drains on gymnasium roof.	During the reroofing process it was determined that the existing roof drains were in bad condition and required replacement.	\$6,690.00
5.3	Repair existing metal roof deck per unit cost.	During the reroofing process it was determined that the existing metal decking required replacement due to rust, etc.	\$10,066.00
		Total North Hardin High School Changes	\$25,996.25

(See attached supporting documentation)

RECOMMENDATION

I recommend that the Hardin County Board of Education approve change order numbers (1.1 – 1.9) for North Hardin High for the amount of \$27,963.00, and change orders (2.1 – 2.7) for Bus Garage Project for the amount of \$10,100.41, change order number (3.1-3.2) for the Mulberry Helm Reroof Project for the amount of \$11,399.00, change orders (4.1) for the Parkway Elementary School Reroof Project for the credit amount of \$6,136.00, and change orders (5.1-5.3) for the North Hardin High School Partial Reroof Project for the amount of \$25,996.25.

RECOMMENDED MOTION

I move that the Hardin County Board of Education approve change order numbers (1.1 – 1.9) for North Hardin High for the amount of \$27,963.00, and change orders (2.1 – 2.7) for Bus Garage Project for the amount of \$10,100.41, change order number (3.1-3.2) for the Mulberry Helm Reroof Project for the amount of \$11,399.00, change orders (4.1) for the Parkway Elementary School Reroof Project for the credit amount of \$6,136.00, and change orders (5.1-5.3) for the North Hardin High School Partial Reroof Project for the amount of \$25,996.25.