



FERNDALE SCHOOLS

BOARD OF EDUCATION
COMMITTEE OF THE WHOLE
MONDAY, NOVEMBER 7, 2022
THE NEST (FHS)
881 PINECREST
FERNDALE, MI 48220

NOTE: THIS IS A MEETING OF THE BOARD OF EDUCATION IN PUBLIC FOR THE PURPOSE OF CONDUCTING THE SCHOOL DISTRICT'S BUSINESS AND IS NOT TO BE CONSIDERED A PUBLIC COMMUNITY MEETING. THERE IS TIME FOR PUBLIC PARTICIPATION DURING THE MEETING AS INDICATED IN THE AGENDA.

AGENDA

1. Call to Order (6:00pm)
 1. Roll Call
 2. Approval of Agenda
 3. Public Comment
2. Informational Items
 1. Technology - Lower Elementary Security Cameras and Server 2
 2. Schools of Choice - Window is the same this year, but will be earlier next year 12
 3. 2020 Bond Change Order Review - Jamie and Andy 13
 4. 2023 Bond Update - Review of Sketches / Plan from GMB/ Update from Facilities Planning Committee
 5. Sinking Fund Update - Track and Field
 6. Data Dashboard
3. Next Regular Board Meeting-Monday, November 21, 2022
4. Adjournment

This notice is given in compliance with Act. No. 267 of the Public Acts of Michigan, 1976

Jackie Hart

JACKIE HART, SECRETARY BOE

Ferndale Board of Education

Regular Board Meeting: November 21, 2022

For Action: *Approval of New Lower Elementary Security Camera and Server*

Background / Description –

As reported to board in August 2022, the technology department and Integrated Design Solutions has worked with the bond steering committee to develop the new elementary building security camera design. This design includes interior and exterior security cameras and a new security camera server to meet the additional storage requirements of our security solution. This project falls within the scope and budget of the planned technology work associated with the new elementary school.

Recommendation

Be it resolved the board authorizes the superintendent to finalize the purchase from CBTS, the following items:

- Security Camera purchase, installation and licensing in the amount of up to \$29,000.
- Security Camera server purchase, installation and licensing in the amount of up to \$23,000.
- A district funded project contingency of up to \$4,500.

The competitive bid process has been achieved utilizing the following process:

- Oakland County reciprocal pricing bid

| Ferndale Schools Video Surveillance Systems | | | | |
|---|----------|-------------|-------|------------------|
| New Lower Elementary Building | | | | |
| 21-Jul-22 | | | | |
| Description | Price | CBTS PN# | Qty. | Extended Price |
| Ferndale Lower Elementary | | | | |
| Item No. 1 | | | | |
| Install Exterior 180 degree camera | 1,152.00 | PNM-9022V | 1.00 | 1,152.00 |
| Item 1 Total | | | | 1,152.00 |
| Item No. 2 | | | | |
| Install (6) Exterior single lens cameras | 571.93 | QNV-8080R | 6.00 | 3,431.58 |
| Item 2 Total | | | | 3,431.58 |
| Item No. 3 | | | | |
| Install (4) Exterior corner mount 270 degree cameras | 1,732.94 | PNM-9084RQZ | 4.00 | 6,931.76 |
| | 81.03 | SBP-317HMW | 4.00 | 324.12 |
| | 83.01 | SBP-300WMW | 4.00 | 332.04 |
| | 126.69 | SBP-300KMW | 4.00 | 506.76 |
| Item 3 Total | | | | 8,094.68 |
| Item No. 4 | | | | |
| Install (4) Interior 180 degree cameras | 1,152.00 | PNM-9022V | 4.00 | 4,608.00 |
| Item 4 Total | | | | 4,608.00 |
| Item No. 5 | | | | |
| Install (21) Interior single lens cameras | 396.36 | QND-6082R | 21.00 | 8,323.56 |
| Item 5 Total | | | | 8,323.56 |
| Item No. 6 | | | | |
| Lift Budget | 2,300.00 | Lift Rental | 1.00 | 2,300.00 |
| Misc Cable HW | 1,000.00 | Misc HW | 1.00 | 1,000.00 |
| Item 6 Total | | | | 3,300.00 |
| Lower Elementary Building Total | | | | 28,909.82 |

Client:

Ferndale Public Schools
Jeff Sharp
249 586-8696
jeff.sharp@oakland.k12.mi.us

Created: August 8, 2022

Expires: November 6, 2022

Worksite Address:

Ferndale Public Schools
871 Pinecrest
Ferndale, MI 48220
(248) 586-8652

Billing Address:

Ferndale Public Schools
871 Pinecrest
Ferndale, MI 48220
(248) 586-8652

Project Overview

This signed request serves as the entire agreement between Ferndale Public Schools (Client) and CBTS Technology Solutions LLC (CBTS) for services to be provided by CBTS at the below defined rate.

CBTS Responsibilities

For this engagement, CBTS will assist with:

18730 Q-1135

Scope of Work:

- Provide (1) Milestone Husky 144TB recording server for system expansion
- System will be configured to RAID10
- Server will be delivered to Ferndale Schools directly

Assumptions:

- End user is responsible for all rack infrastructure, POE and 110V power connections
- End user will provide all programming and camera load balancing functions

Client Responsibilities

To enable CBTS work tasks to be performed, the Client will be responsible for:

- Acquiring all necessary hardware and software prior to the beginning of this engagement.
- Appointing a primary contact to handle all communications involved with the project. This individual will also possess decision-making authority for project related issues.
- Providing appropriate access to offices, systems, passwords, accounts, IP addresses and information required by the CBTS Engineer in order to perform project work.
- Final acceptance of the solutions presented by CBTS under this agreement.

Project Charges and Timing

Services performed under this agreement will be provided at a fixed fee of \$22,656.43. It is anticipated that all services will be performed during standard business hours of 8:00AM and 5:00PM, Monday through Friday. Client will reimburse CBTS for actual travel and material expenses incurred.

Standard CBTS Payment Terms

Invoices are due and payable according to the terms of the Master Services and Products Agreement (MSPA). If a MSPA has not been executed, the invoice will be due in U.S. dollars within thirty (30) days of the date on the invoice. Payments not received by the due date are considered past due. CBTS reserves the right to impose a late charge

of one and one-half percent (1½%) per month (but not more than the maximum rate permitted by law) on all undisputed past due amounts. Customer will pay all applicable taxes relating to the services and products (sales, use, value added, personal property, etc.) other than taxes based on CBTS' net income. If Customer is tax exempt, Customer shall provide CBTS with a copy of its tax exemption certificate before CBTS begins invoicing.

Solicitation of Employees

Prior to completion of work on this project, and for twelve (12) months thereafter, the Client shall not employ or contract for the services of any CBTS employees involved in this project without the written consent of CBTS. For any violation of this provision, the Client shall promptly pay to CBTS as liquidated damages a sum equal to forty percent (40%) of the annual compensation payable for the person so hired.

Proposal Acceptance

| | |
|---|----------------------------|
| Signature: _____ | Signature: _____ |
| Name: _____ | Name: _____ |
| Title: _____ | Title: _____ |
| Company: _____ Ferndale Public Schools | Company: _____ CBTS |
| Date: _____ | Date: _____ |

Client:

Ferndale Public Schools
Jeff Sharp
249 586-8696
jeff.sharp@oakland.k12.mi.us

Created: September 7, 2022

Expires: December 6, 2022

Worksite Address:

Ferndale Public Schools
871 Pinecrest
Ferndale, MI 48220
(248) 586-8652

Billing Address:

Ferndale Public Schools
871 Pinecrest
Ferndale, MI 48220
(248) 586-8652

Project Overview

This signed request serves as the entire agreement between Ferndale Public Schools (Client) and CBTS Technology Solutions LLC (CBTS) for services to be provided by CBTS at the below defined rate.

CBTS Responsibilities

For this engagement, CBTS will assist with:

18627 Q-1134

New Lower Elementary Building

See spreadsheet for SOW

Assumptions:

- Work can be completed during normal business hours
- Existing Milestone licenses will be used for new cameras
- Additional recording storage is not included in this proposal
- All new Cat 6 cabling will be installed, terminate, routed and tested by others

Client Responsibilities

To enable CBTS work tasks to be performed, the Client will be responsible for:

- Acquiring all necessary hardware and software prior to the beginning of this engagement.
- Appointing a primary contact to handle all communications involved with the project. This individual will also possess decision-making authority for project related issues.
- Providing appropriate access to offices, systems, passwords, accounts, IP addresses and information required by the CBTS Engineer in order to perform project work.
- Final acceptance of the solutions presented by CBTS under this agreement.

Project Charges and Timing

Services performed under this agreement will be provided at a fixed fee of \$28,909.82. It is anticipated that all services will be performed during standard business hours of 8:00AM and 5:00PM, Monday through Friday. Client will reimburse CBTS for actual travel and material expenses incurred.

Standard CBTS Payment Terms

Invoices are due and payable according to the terms of the Master Services and Products Agreement (MSPA). If a MSPA has not been executed, the invoice will be due in U.S. dollars within thirty (30) days of the date on the invoice. Payments not received by the due date are considered past due. CBTS reserves the right to impose a late charge

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Solicitation of Employees

Prior to completion of work on this project, and for twelve (12) months thereafter, the Client shall not employ or contract for the services of any CBTS employees involved in this project without the written consent of CBTS. For any violation of this provision, the Client shall promptly pay to CBTS as liquidated damages a sum equal to forty percent (40%) of the annual compensation payable for the person so hired.

Proposal Acceptance

| | |
|---|----------------------------|
| Signature: _____ | Signature: _____ |
| Name: _____ | Name: _____ |
| Title: _____ | Title: _____ |
| Company: _____ Ferndale Public Schools | Company: _____ CBTS |
| Date: _____ | Date: _____ |

Request: Approval to participate in Schools of Choice Section 105 (Oakland County) and 105C (Tri-County) at UHS for the 2nd semester of the 2022-2023 school year according to the criteria noted below:

- 9th Grade - 35 students
- 10th Grade - 26 students
- 11th Grade - 27 students

| | Approved Budget | Approved to Date | Remaining | Anticipated | Projected Over/ (Under) |
|-----|-----------------|------------------|-------------|-------------|-------------------------|
| BP2 | \$279,949 | \$210,345 | \$69,604 | \$98,892 | \$29,288 |
| BP3 | \$230,207 | \$59,261 | \$170,946 | \$109,688 | (\$61,258) |
| BP4 | \$1,474,956 | \$263,110 | \$1,211,846 | \$75,679 | (\$1,136,167) |
| BP5 | \$42,184 | \$3,988 | \$38,196 | \$20,000 | (\$18,196) |

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

Oct 1, 2021 - Oct 31,2021

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|----------------------------|--|---------------|-------|---------------|
| 02-003 | North American Dismantling | BP 2 - Sawcutting and remove concrete and block outside wrestling room | \$2,500 | | 10/13/2021 |
| 02-004 | Quality Aire Systems | BP 2 - Revise louver in mechanical room in order to fit the AHU | \$1,378 | | 10/13/2021 |

\$3,878

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$0

October Approved Change Orders \$3,878

Total Contingency Committed to Date \$3,878

Remaining Contingency Balance \$ 276,071

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

Nov 1, 2021 - Nov 30, 2021

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|-------------------|---|---------------|-------|---------------|
| 02-001 | Hicks Clements | BP 2 - Bulletin 001, added main circuit breaker, revised door fire rating | \$1,679 | | 11/22/2021 |

\$1,679

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$3,878

November Approved Change Orders \$1,679

Total Contingency Committed to Date \$5,557

Remaining Contingency Balance \$ 274,392

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

Dec 1, 2021 - Dec 31,2021

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|-------------------------------------|--|---------------|-------|---------------|
| 02-002 | Hick Construction Peterson Glass | Bulletin 002 revising window W2 from aluminum frame to fire rated hollow metal frame, change door rating | \$15,201 | | 12/21/2021 |
| 02-013 | Clements Electric | RFI 08, moved existing conduit in sub-level for steel install | \$1,050 | | 12/21/2021 |
| 02-014 | Clements Electric | RFI 015, relocate existing clock and fire alarm in weight room for steel install | \$1,205 | | 12/21/2021 |

\$17,456

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$5,557

December Approved Change Orders \$17,456

Total Contingency Committed to Date \$23,013

Remaining Contingency Balance \$ 256,936

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

Jan 1, 2022 - Jan 31, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|--------------|--|---------------|-------|---------------|
| 02-005 | Clements | BP 2 - Bulletin 003, pool timing system electrical changes | \$13,721 | | 1/19/2022 |
| 02-015 | Clements | BP 2 - Bulletin 005, add storage room, concrete infill, furnish and install light and receptacle in storage room | \$2,013 | | 1/19/2022 |
| 02-016 | Quality Aire | BP 2 - RFI 006, reroute existing ductwork at gym mezzanine due to new masonry wall | \$7,937 | | 1/19/2022 |

\$23,671

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$23,013

January Approved Change Orders \$23,671

Total Contingency Committed to Date \$46,684

Remaining Contingency Balance \$ 233,265

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

Feb 1, 2022 - Feb 28, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|---------|-------------|--|---------------|-------|---------------|
| 01-163 | Nelson Iron | FUEL, furnish and install rails at lobby. Existing rails did not meet code. Use BP2 contingency money. | \$4,626 | | 2/1/2022 |
| 01-172 | Clements | FUEL - trace conduits in Media Center and re-feed receptacles, used BP2 contingency money | \$1,877 | | 2/1/2022 |
| 01-112a | Clements | FUEL - RFI 067, Circuit for controllers for RTU's and add circuit to garbage disposal, BP2 contingency | \$2,729 | | 2/15/2022 |
| 02-030 | Clements | BP 2 - Reroute existing power circuits for demoed girls pool and power the boy's Chlorinator System Controller | \$337 | | 2/15/2022 |

\$9,569

BP2 HS Pool Contingency Budget \$ 279,949

| | |
|---|------------------------------|
| Previous Approved Change Orders | \$46,684 |
| February Approved Change Orders | \$9,569 |
| Total Contingency Committed to Date | \$56,253 |
| <u>Remaining Contingency Balance</u> | <u>\$ 223,696</u> |

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

March 1, 2022 - March 31, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|--|---|---------------|-------|---------------|
| 02-033 | Clements Kuhn Flooring Empire Tile | BP2 - Bulletin 7, revised turf lines, added rough ins for speakers and A/V, accent tile at corridor | \$11,801 | | 3/8/2022 |
| 02-035 | J.E.G. | BP 2 - replace new 6" gate valve and drain school water lines | \$5,310 | | 3/22/2022 |

\$17,111

BP2 HS Pool Contingency Budget \$ **279,949**

Previous Approved Change Orders \$56,253

March Approved Change Orders \$17,111

Total Contingency Committed to Date \$73,364

Remaining Contingency Balance \$ **206,585**

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

April 1, 2022 - April 30, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|------------|--|---------------|-------|---------------|
| 02-025 | Clements | BP 2- RFI 045 , existing conduit in way of new W10x68 beam in pool tunnel | \$946 | | 4/19/2022 |
| 02-036 | Clements | BP 2 - RFI 060 - Pool - existing conduits in the way of new louver opening | \$5,564 | | 4/19/2022 |
| 02-046 | NADC | BP 2 - Remove and dispose of commercial washer and existing AHU | \$717 | | 4/19/2022 |

\$7,227

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$73,364

April Approved Change Orders \$7,227

Total Contingency Committed to Date \$80,591

Remaining Contingency Balance \$ 199,358

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

May 1, 2022 - May 31, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|---------|------------|--|---------------|-------|---------------|
| 02-049 | Clements | BP 2 - Reworked conduits in gym and office due to demoing existing conduits | \$7,144 | | 5/3/2022 |
| 02-053 | Hicks | BP 2 - RFI 063, furnish and install shaft wall at Mechanical chases for fire rating in (2) locations - basetball locker room and wrestling locker room | \$6,467 | | 5/3/2022 |
| 02-054 | B&B Pools | BP 2 - replace pool ladders due to poor condition of existing ladders | \$5,800 | | 5/3/2022 |
| 02-056 | B&B Pools | BP 2 - Installation of Two (2) 18 x 18 Lawson aquatic main drain frames and grates | \$860 | | 5/3/2022 |
| 02-064 | J.E.G. | BP 2 - repair existing galv. water leak during Saturday | \$3,472 | | 5/3/2022 |
| 02-060 | J.E.G. | BP 2 - Furnish and install (10) new FD-4 bodies around pool in location of existing. Existing drains do not have threads. | \$6,000 | | 5/17/2022 |
| 02-035a | J.E.G. | BP 2 - water shut down for whole school, replace existing valves, additional cut and cap for water lines | \$2,933 | | 5/31/2022 |
| 02-045 | NADC | BP 2 - Dispose of additional Owner's equipment for tile install on T&M | \$1,504 | | 5/31/2022 |
| 02-052 | NADC | BP 2 - Demo additional wall in Men's Locker Room and bump out next to column in pool locker room | \$1,873 | | 5/31/2022 |

\$36,053

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$80,591

May Approved Change Orders \$36,053

Total Contingency Committed to Date \$116,644

Remaining Contingency Balance \$ 163,305

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

June 1, 2022 - June 30, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|------------------------|--|---------------|-------|---------------|
| 02-028 | Clements | BP 2 - RFI 046, reroute existing conduit for LULU lift beams | \$1,707 | | 6/21/2022 |
| 02-048 | Clements | BP 2 - Bulletin 012, RFI 073 Refeeding panel in Gym Mezzanine Mechanical Room | \$4,101 | | 6/21/2022 |
| 02-055 | B&B Pool | BP 2 - Installation of (2) 8' stainless steel posts with 6" deep anchors. | \$2,450 | | 6/21/2022 |
| 02-057 | Hicks Construction | BP 2 - change the guage size to the stainless steel grills on the Pool side | \$9,520 | | 6/21/2022 |
| 02-067 | Quality Aire J.E.G. | BP 2 - Bulletin #10, credit for not relocating sanitary line in Girl's Locker Room, removed double wall in duct in Locker Room | -\$9,723 | | 6/21/2022 |
| 02-075 | J.E.G. | BP2 - Furnish and install material to offset 3" HW and 4" CW riser in way of junction box | \$2,300 | | 6/21/2022 |
| 02-076 | J.E.G. | BP 2 - Repair existing storm leak in chase | \$1,906 | | 6/21/2022 |

\$12,261

BP2 HS Pool Contingency Budget \$ 279,949

| | |
|--|------------------|
| Previous Approved Change Orders | \$116,644 |
| June Approved Change Orders | \$12,261 |
| Total Contingency Committed to Date | \$128,905 |

Remaining Contingency Balance \$ 151,044

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

Approved Changes (design revision, owner request, hidden condition)

July 1, 2022 - July 31, 2022

| PCO | Contractor | Change | Approved Cost | Notes | Date reviewed |
|--------|------------|--|---------------|------------|---------------|
| 02-058 | Clements | RFI 071 - BP 2 - light support in the pool area, anchors did not hold in existing spray insulation | \$6,640 | | 7/26/2022 |
| 02-069 | Q.A.S. | BP 2 - RFI 079, New piping to expansion tank | \$5,513 | | 7/26/2022 |
| 02-079 | N.A.D.C. | BP 2 - Back charge to NADC for Peterson Glass fixing broken glass at Corridor by new Team Room | \$0 | backcharge | 7/26/2022 |
| 02-080 | J.E.G. | BP2 - RFI 090, Provide a Hi/Low drinking fountain at Pool. | \$1,991 | | 7/26/2022 |
| 02-081 | Clements | BP2 - Provide (3) lower profile lights in Boy's ADA shower room due to existing sanitary line. Specified lights have a 6" profile which will put the ceiling really low. | \$426 | | 7/26/2022 |

\$14,570

BP2 HS Pool Contingency Budget \$ 279,949

Previous Approved Change Orders \$128,905

July Approved Change Orders \$14,570

Total Contingency Committed to Date \$143,475

Remaining Contingency Balance \$ 136,474

* This only includes committed contingency changes, not pending change orders.

BP2 - Ferndale Pool Upgrade

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