

## FRAZIER SCHOOL DISTRICT - ADDITIONS &amp; ALTERATIONS to FIELDHOUSE

2/24/2020

| Description   | Quantity/unit | Unit Cost | SubTotal | Total         |
|---|---------------|-----------|----------|---------------|
| <b>Survey and Layout</b>                              | 0 ls          | 3500.00   | 0        |               |
| <b>E &amp; S</b>                                      | 0.25 ls       | 2000.00   | 500      |               |
| Construction Entrance / concrete washout              | 1 ls          |           |          |               |
| Filter Sock   | 150 lf        | 3.00      | 450      |               |
| Seed / Mulch disturbed areas                          |               |           |          |               |
| <b>Earthwork to subgrade</b>                          |               |           |          |               |
| strip topsoil / site clear                            | ls            |           |          |               |
| bulk excavation to subgrade                           | 1,968 sf      | 1.00      | 1,968    |               |
| (allow 1' d. strip generally soil materials)          | 72 cy         | 20.00     | 1,440    |               |
|   | cy            |           |          |               |
|   | cy            |           |          |               |
| Relocate / Spread topsoil on-site                     | cy            |           |          |               |
| rough grade to subgrade                               | ls            |           |          |               |
| <b>Subgrade Prep./ proof roll</b>                     | sf            |           |          |               |
| <b>Site Utilities</b>                                 |               |           |          |               |
| underground storm 15"                                 | 0 lf          | 48.70     |          |               |
| underground storm 12"                                 | 0 lf          | 48.70     |          |               |
| excavate / backfill underground storm pipe            | 0 cy          | 8.50      |          | 5,000         |
| 6" Toe of slope drain                                 | 0 lf          | 30.00     |          |               |
| inlet   | ea            | 2500.00   |          | 2,500         |
| storm manholes (4' deep)                              | ea            | 3200.00   |          |               |
| Storm detention material                              | 0 ls          | 59000.00  |          | 0             |
| Storm detention excavation                            | 0 ls          | 200000.00 |          | 0             |
| san. manholes (6' deep)                               | 2 ea          | 6200.00   |          | incl.d        |
| Underground site water service                        | 50 lf         | 80.00     |          | 4,000         |
| Site sanitary   | 50 lf         | 100.00    |          | 5,000         |
| 2ndry. Underground electric service                   | 50 lf         | 0.00      |          |               |
| Site lighting for parking and pedestrian paths        | 11 ea         | 0.00      |          |               |
| Primary electric (new panel in utility room)          | 1 ea          | 10512.00  |          | 10,512        |
| Underground fiber                                     | 1 ls          | 9461.00   |          |               |
| UG conduit to press box, to scoreboard, to site lts., | 1 ls          | 58870.00  |          |               |
| public address  | 1 ls          | 48355.00  |          |               |
| <b>Pavements</b>                                      |               |           |          |               |
| asphalt pavement pedestrian duty                      | 5 sf          |           |          |               |
|   | sy            |           |          |               |
| asphalt pavement traffic duty                         | 5 sf          |           |          |               |
| Limestone concourse replacement due to construction   | 5,000 sf      | 2.00      |          | 10,000        |
| concrete pavement                                     | 410 sf        | 5.00      |          | 2,050         |
| Frost Pits (perimeter foundation)                     | 100 lf        | 50.00     |          | 5,000         |
| deep set concrete curb                                | 0 lf          | 46.00     |          | 0             |
| <b>Lawn areas adjacent to stadium</b>                 | 11,990 sf     |           |          | 0             |
| lawn and topsoil                                      | 0 sy          |           |          |               |
| <b>Site Amenities</b>                                 |               |           |          |               |
| fencing 8' h.@ Stadium perimeter                      | 1,129 lf      | 0.00      |          | 0             |
| fencing 4' h.@ turf perimeter                         | 1,220 lf      | 0.00      |          | 0             |
| ornamental picket fence / gates                       | 78 lf         | 0.00      |          | 0             |
| Netting at end zones                                  | 0 ls          | 19470.00  |          | 0             |
| traffic gates   | 0 ea          | 2500.00   |          | 0             |
| turnstiles  | 0 ea          | 4500.00   |          | 0             |
| Stadium Field Lighting (Musco System)                 | 0 ls          | 189957.00 |          | 0             |
| Flagpoles   | 0 ea          | 3921.00   |          | 0             |
| Ticket Booth  | 0 ea          | 15000.00  |          | 0             |
| Scoreboard  | 0 ls          | 85147.00  |          | 0             |
| concrete curb at 4' h. field fence                    | 1,220 lf      | 0.00      |          | 0             |
| Stadium entrance dimensional letters                  | 12 ea         | 0.00      |          | 0             |
|   |               |           |          | 0             |
| <b>Total Site Improvements</b>                        | <b>1 ls</b>   |           |          | <b>48,420</b> |

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2/24/2020

|   | Description  | Quantity/unit   | Unit Cost     | SubTotal | Total          |
|---|--|-----------------|---------------|----------|----------------|
|   | <b>Fieldhouse New Additions Infrastructure</b>               | 1,968 gsf       |               |          |                |
|   | Exterior Enclosure   | 216 lf          |               |          |                |
|   | footing excavation   | 32 cy           |               | incl.d   |                |
|   | concrete strip footing                                       | 216 lf          | 38.60         | 8,338    |                |
|   | footing foundation drain                                     |                 |               |          |                |
|   | foundation damproofing                                       | 216 lf          | 18.00         | 3,888    |                |
|   | foundation perimeter insulation                              |                 |               |          |                |
|   | footing excavation backfill                                  | 20 cy           | 0.00          | 0        |                |
|   | exterior foundation wall 12" solid CMU                       | 216 sf          | 18.00         | 3,888    |                |
|   | exterior stud wall with insul + siding (12'H from fin grade) | 2,592 sf        | 20.23         | 52,436   |                |
|   | Canopy with two Columns at Entry                             | 200 sf          | 80.00         | 16,000   |                |
|   | operable windows   | 6 ea            | 1200.00       | 7,200    |                |
|   | galvanized lintels   | ls              |               |          |                |
|   | FRP doors, frame, hardware per 3' opening                    | 6 ea            | 2600.00       | 15,600   |                |
|   | FRP doors, frame, hardware per 6' opening                    | 3 ea            | 3500.00       | 10,500   |                |
|   | OH Grilles   | ea              |               |          |                |
|   | louvers (2 @ 6sf)  | sf              |               |          |                |
|   | truss roof construction (incl. sheathing)                    | 2,000 sf        | 16.00         | 32,000   |                |
|   | Roof Membrane  | 2,000 sf        | 14.00         | 28,000   |                |
|   | batt roof insulation R-30                                    | 2,000 sf        | 2.00          | 4,000    |                |
|   | gutters  | 75 lf           | 8.15          | 611      |                |
|   | downspouts   | 40 vlf          | 4.93          | 197      |                |
|   | Alum Fascia  | 250 lf          | 11.00         | 2,750    |                |
|   | soffit finish  | 200 sf          | 8.00          | 1,600    |                |
|   | concrete slab on grade                                       | 1,968 sf        | 5.00          | 9,840    |                |
|   | Signage on Ext Wall facing field                             | 60 sf           | 25.00         | 1,500    |                |
|   | Interior Partitions  |                 |               |          |                |
|   | 2x4 Studs with Moisture Resist (10' h.) non-brg. Interior    | 137 lf          | 32.00         | 4,384    |                |
|   | epoxy coated wall finish                                     | 3,530 sf        | 2.00          | 7,060    |                |
|   | Drywall ceilings (painted finish)                            | 1,968 sf        | 3.62          | 7,124    |                |
|   | Resinous Floor finish in Concession areas (Quarry tile)      | sf              |               |          |                |
|   | Resinous Floor finish in Public Restroom (epoxy)             | sf              |               |          |                |
|   | Polymer ceiling hung toilet partitions                       |                 |               |          |                |
|   | Polymer metal ceiling hung ADA toilet partitions             | 8 ea            | 825.00        | 7,060    |                |
|   | grab bars  | 10 ea           | 240.00        | 2,400    |                |
|   | restroom accessories   | 10 ls           | 100.00        | 1,000    |                |
|   | Room signage   | 6 ea            | 50.00         | 300      |                |
|   | wire mesh partition  | 28 lf           |               |          |                |
|   | Fire extinguisher cabinets                                   | 2 ea            | 392.00        | 784      |                |
|   | Football Lockers (for entire building)                       | 94 ea           | 200.00        | 18,800   |                |
|   | Officials Lockers  | 10 ea           | 150.00        | 1,500    |                |
|   | <b>New Additions Plumbing System</b>                         |                 |               |          |                |
|   | sanitary piping underground (PVC)                            | 40 ls           | 34.00         | 1,360    |                |
|   | floor drains / cleanouts (includes entire bldg)              | 22 ea           | 500.00        | 11,000   |                |
|   | urinals (includes entire bldg)                               | 4 ea            | 1425.00       | 5,700    |                |
|   | lavs (includes entire building)                              | 9 ea            | 1280.00       | 11,520   |                |
|   | public toilet back to back water closets (two pair - 4 fixt) | 2 set           | 4150.00       | 8,300    |                |
|   | water closets (two side by side)                             | 3 set           | 2695.00       | 8,085    |                |
|   | ADA Grab Bars (includes existing building)                   | 16 ea           | 100.00        | 1,600    |                |
|   | ADA Mirrors (includes existing building)                     | 9 ea            | 180.00        | 1,620    |                |
|   | electric water cooler (includes existing building)           | 4 ea            | 1695.00       | 6,780    |                |
|   | exterior hose bibb   | 1 ea            | 500.00        | 500      |                |
|   | domestic water piping 1" copper                              | 1 ls            | 3500.00       | 3,500    |                |
|   | insulation   | 1 ls            | 1600.00       | 1,600    |                |
|   | service entrance   | 1 ls            | 0.00          | 0        |                |
|   | <b>New Additions HVAC System</b>                             |                 |               |          |                |
| ? | Furnace (see existing category)                              | 1 ls            | 0.00          | 0        |                |
|   | Electric heat (public bathrooms and Officials Toilet)        | 50 lf           | 150.00        | 7,500    |                |
|   | Exhaust fan (public tlt and officials tlt)                   | 3 ea            | 700.00        | 2,100    |                |
|   | Grilles  | 1 ls            | 1500.00       | 1,500    |                |
|   | Ventilator   | 1 ls            | 1200.00       | 1,200    |                |
|   | Sheet metal  | 1 ls            | 15000.00      | 15,000   |                |
|   | Insulation   | 1 ls            | 3000.00       | 3,000    |                |
|   | ATC  | 1 ls            | 500.00        | 500      |                |
|   | <b>New Additions Electrical System</b>                       | 1,968 sf        |               | 0        |                |
|   | Bldg. conduit, wire, panels                                  | 1,968 sf        | 7.90          | 15,547   |                |
|   | light fixtures   | 1,968 sf        | 7.00          | 13,776   |                |
|   | switches   | 7 ea            |               | incl.d   |                |
|   | surface raceway  | 149 lf          |               | incl.d   |                |
|   | <b>Total New Additions Infrastructure</b>                    | <b>1,968 sf</b> | <b>188.24</b> |          | <b>370,449</b> |
|   | <b>Existing Building Infrastructure 2,688sf</b>              | 2,688 sf        |               |          |                |
|   | Demolition   |                 |               |          |                |
|   | Remove lockers   | 66 ea           | 30.00         | 1,980    |                |
|   | Remove Toilet Partitions                                     | 8 ea            | 30.00         | 240      |                |
|   | Remove Benches   |                 |               |          |                |
|   | Remove   | ea              |               | 0        |                |

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2/24/2020

| Description   | Quantity/unit   | Unit Cost    | SubTotal      | Total          |
|---|-----------------|--------------|---------------|----------------|
| Asphalt shingles  | 2,688 sf        | 8.25         | 22,176        |                |
| Epoxy coated wall finish                                | 5,560 sf        | 2.00         | 11,120        |                |
| Epoxy coated ceiling finish                             | 2,688 sf        | 2.00         | 5,376         |                |
| Concrete slab on grade @ showers (includes demo)        | 264 sf          | 10.00        | 2,640         |                |
| FRP doors, frame, hardware per 3' opening               | 5 ea            | 2600.00      | 13,000        |                |
| FRP doors, frame, hardware per 6' opening               | 1 ea            | 3500.00      | 3,500         |                |
| Patch / Repair cmu wet walls at tl rooms                | 250 sf          | 12.50        | 3,125         |                |
| New 6" cmu shower partitions                            | 324 sf          | 9.50         | 3,078         |                |
| <b>Existing Plumbing</b>                                |                 |              |               |                |
| Remove Existing Toilet Fixtures                         | 21 ea           | 100.00       | 2,100         |                |
| Remove Existing Shower Fixtures                         | 4 ea            | 200.00       | 800           |                |
| New Shower Head drops per stall                         | 16 ea           | 250.00       | 4,000         |                |
| ? service sink  | 1 ea            | 2305.00      | 2,305         |                |
| H.C. Shower stall seat                                  | 2 ea            | 250.00       | 500           |                |
| Water Heater 100 mph gas fired                          | 2 ls            | 8775.00      | 17,550        |                |
| <b>Existing Electrical System</b>                       |                 |              |               |                |
| Bldg. conduit, wire, panels                             | 2,688 sf        | 7.90         | 21,235        |                |
| light fixtures  | 2,688 sf        | 7.00         | 18,816        |                |
| switches  | 4 ea            |              | incl.d        |                |
| <b>Existing HVAC System</b>                             |                 |              |               |                |
| ? Furnace (two residential style for entire bldg)       | 4,688 sf        | 10.00        | 46,880        |                |
| ? Electric heat   | 50 lf           | 150.00       | 7,500         |                |
| Exhaust fan (main locker rooms and shower rooms)        | 4 ea            | 700.00       | 2,800         |                |
| ? Grilles   | 4 ea            | 700.00       | 2,800         |                |
| ? Ventilator  | 1 ls            |              |               |                |
| ? Sheet metal (flex duct)                               | 310 lf          | 55.00        | 17,050        |                |
| ? Insulation  | 310 ls          | 15.00        | 4,650         |                |
| ? ATC   | 4 ls            | 500.00       | 2,000         |                |
| <b>Total Existing Building Infrastructure</b>           | <b>2,688 sf</b> | <b>80.81</b> |               | <b>217,221</b> |
| <b>SUBTOTAL</b>   |                 |              |               | <b>418,869</b> |
| <b>General Conditions</b>                               |                 |              |               |                |
| supervision   | 12 wk           |              |               |                |
| project coordinator admin. /scheduling                  | 1 ls            |              |               |                |
| General Conditions                                      | 1 ls            |              | 20,943        |                |
| temporary facilities                                    | 1 ls            |              |               |                |
| close out documents                                     | 1 ls            |              |               |                |
| field engineering                                       | 2 da            | 1250.00      | incl.d        |                |
| temporary electric                                      | 1 ls            |              |               |                |
| <b>Total General Conditions</b>                         |                 |              |               | <b>439,812</b> |
| <b>bond (2%)</b>  |                 |              |               | <b>8,796</b>   |
| <b>overhead and profit (5%)</b>                         |                 |              |               | <b>21,991</b>  |
| <b>Bidding Contingency (5%)</b>                         |                 |              |               | <b>23,530</b>  |
| <b>TOTAL OPINION OF PROBABLE CONSTRUCTION COST</b>      |                 |              |               | <b>494,129</b> |
| <b>SOFT COSTS</b>                                       |                 |              |               |                |
| Civil Engineering Fees                                  |                 |              |               | 10,000         |
| Geotechnical Soils Analysis                             |                 |              |               | 6,500          |
| Telecomm service cabling from District network provider |                 |              |               | 0              |
| NPDES Survey and Documentation                          |                 |              |               | 1,500          |
| Land Survey - by Civil Engineer                         |                 |              |               | 1,200          |
| Stormwater NPDES Permitting and Documentation           |                 |              |               | 0              |
| Construction Inspection Fees - Municipal                |                 |              |               | 3,000          |
| Structural Engineering Fees                             |                 |              |               | 3,500          |
| Professional Arch Fees                                  |                 |              |               | 42,001         |
| Electrical Service Utility Company Fees                 |                 |              |               | 5,000          |
| Building Permits / Code Review / Approval fees          |                 |              |               | 4,000          |
| Soft Cost Contingency                                   |                 |              |               | 5,000          |
| <b>TOTAL SOFT COSTS</b>                                 |                 |              | <b>16.53%</b> | <b>81,701</b>  |
| Soft Costs Budget Comparison @ 20% =                    |                 | 98,826       |               |                |
| <b>TOTAL PROJECT COST</b>                               |                 |              |               | <b>575,830</b> |
| BUDGET  |                 |              |               | 600,000        |
| VARIANCE  |                 |              |               | 24,170         |