



Bedford Police Department  
Addition and Alterations

**EXECUTIVE SUMMARY**

MARCH 8, 2017



## PROJECT OVERVIEW

### At a Glance:

#### Original Contract:

Contract	Contractor	Contract Value
General Contractor	Verdi Construction	\$3,119,024.00
Plumbing Contractor	Mengler Mechanical	\$323,000.00
Mechanical Contractor	Vamco Sheet metal	\$372,049.00
Electrical Contractor	Foremost Electrical	\$319,800.00
<b>Total Cumulative Contract Value</b>		<b>\$4,133,873.00</b>

#### Change Order Log:

Contractor	C. O. #	Description	Value
Verdi	C.O.#1	Abatement of found Asbestos Police Station:	\$45,944.04
Verdi	C.O.#2	Abatement of found Asbestos Milk Building:	\$41,538.07
Verdi	C.O.#3	Repair south-facing CMU Wall @ Milk Building:	\$35,464.11
Verdi	C.O.#4	Infill voids masonry wall @ Main Building:	\$11,477.06
Verdi	C.O.#5	Abatement on underground corrugated pipe:	\$34,637.31
Verdi	C.O.#6	Abatement of pipes inside corrugated pipe:	\$9,425.60
Verdi	C.O.#7	New drainage layout for Maintenance Garage:	\$18,227.27
Verdi	C.O.#8	Contaminated soil removal:	\$138,403.05
Verdi	C.O.#9	Remove oil water separator	\$2,894.82
Verdi	C.O.#10	Under pin footings/ repair crack M. Garage wall	\$11,441.48
Verdi	C.O.#11	Shoring rental for Maintenance Garage	\$3,159.43
Verdi	C.O.#12	Parking lot "D" box repair	\$2,748.25
Verdi	C.O.#13	Waste oil storage tank	\$10,956.05
Verdi	C.O.#14	Additional door strikes	\$11,721.40
Verdi	C.O.#15	Masonry infill lintel preparation	\$19,597.08
Verdi	C.O.#16	Floor leveling	\$37,037.33
Verdi	C.O.#17	Heat for floor leveling	\$9,939.77
Verdi	C.O.#18	Remove and replace concrete floor	\$178,314.36
Verdi	C.O.#19	Floor leveling credit	(\$37,037.33)
Verdi	C.O.#20	Dig up tank lid found under Milk Building	\$1,693.21
Verdi	C.O.#21	Four new masonry pre-cast lentils	\$1,449.02
Verdi	C.O.#22	Furnish and install AVB	\$25,766.44
Verdi	C.O.#23	Lentil detail @ existing column line 15	\$7331.15
		<b>Total Verdi</b>	<b>\$622,128.32</b>

Mengler	C.O.#1	Installation of additional concrete	\$921.00
		<b>Total Mengler</b>	<b>\$921.00</b>

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		<b>Total Accumulative C.O. value:</b>	<b>\$623,049.32</b>
		<b>Total Contingency:</b>	<b>\$456,836.00</b>
		<b>Remaining Contingency:</b>	<b>(\$166,213.32)</b>

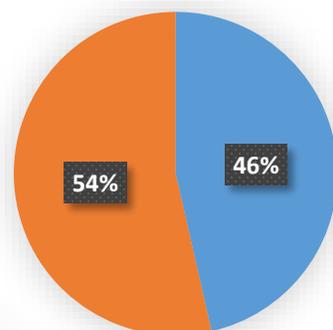
### Current contract value:

Contractor	Contract Amount	C.O.# Add	Contract & C.O. Value	Paid to date	Value Remaining
Verdi Construction	\$3,119,024	#1 - #23	\$3,741,152.32	\$2,142,719.58	\$1,58,432.74
Mengler Mechanical	\$323,000.00	#1	\$323,921.00	\$145,275.18	\$178,645.82
Vamco Sheet metal	\$372,049.00		\$372,049.00	\$179,085.00	\$192,964.00
Foremost Electrical	\$319,800.00		\$319,800.00	\$81,182.00	\$238,618.00
<b>Total :</b>	<b>\$4,133,873.00</b>		<b>\$4,756,922.32</b>	<b>\$2,548,261.76</b>	<b>\$2,208,660.56</b>

### Change Order Request:

C. O. Request	Description	Value
Verdi COR #33	Winter conditions mason (T&M not to exceed)	\$40,832.00
Verdi COR #34	Structural steel changes (negotiating resolution)	+/- \$31,793.31
Verdi	Roof modification above ammo room	T&M
Verdi COR #41	Steel modifications (negotiating resolution)	\$17,942.86
Verdi COR #43	Redesign lintel on "A" line	\$8,363.2
Foremost	Replace under slab conduit for floor removal	pending

## Total Contract and Change Order Value to Date \$4,756,922.32



■ Remaining Accumulated Contract Value: \$2,208,660.56  
■ Paid to Date: \$2,548,261.76

Verdi: The General Contractor

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**Structural Steel:**

In December Verdi started to install the structural steel in the existing police station. They installed the supports for the HVAC units, the steel to support the roof screen, and roof framing supports. The crane arrived on December 18th and Verdi set exterior steel on the north and west sides of the addition. They then installed the columns and beams on the inside of the existing building to support the roof framing. The crane returned to the site on January 10<sup>th</sup> and Verdi set the steel above the lobby and entrance to support the south roof trusses. The structural steel installer tightened up the connections and leveled the erected steel for inspection. The crane returned on January 29th and they set the remaining steel on the east roof hip section of the existing building. The east roof section area of steel erection was inspected and the structural steel installer made final adjustments on February 23rd.



### Light Gauge Metal Framing:

Verdi started the Light Gauge Metal Framing (LGMF) on the roof above the secure prisoner transfer on January 11th. They continued to install their LGMF on north and west sides of the addition installing the LGMF to the structural steel when the steel erectors were finished. Once they were done with the roof over the garages they framed the exterior walls and windows on the addition and sheathed them. Verdi received their first load of roof trusses on January 31<sup>st</sup>. They started installing them on the northwest corner of the building moving south over the training room. Verdi received the second load of trusses on February 13th and started setting them on February 20th. They are currently installing trusses on the south roof section as well as framing the east roof section rafters. The LGMF interior walls and partitions were started on February 16th and are currently being installed.



### **Masonry:**

In December Verdi's mason erected winter protection around the exterior northeast addition so they could install the interior block walls and partitions around the garages and the Arms Room. The mason then started the veneer on the south wall of the lobby installing the Air Vapor Barrier (AVB) and the brick.



### **Concrete Slab Replacement:**

On December 5th 2017 Verdi Construction notified Calgi Construction of a condensation pattern that occurred on the interior slab in the existing building. Moisture had condensed on areas of the slab that were not replaced when the underground plumbing was installed. Moisture tests were recommended by the company who was going to level the floor with gypcrete. The tests came back with



finished. The mason finished the south wall of the training room on February 6th. They are currently installing the brick veneer to the west side gable wall of the training room in the enclosure using heat when necessary.



## PROJECT OVERVIEW



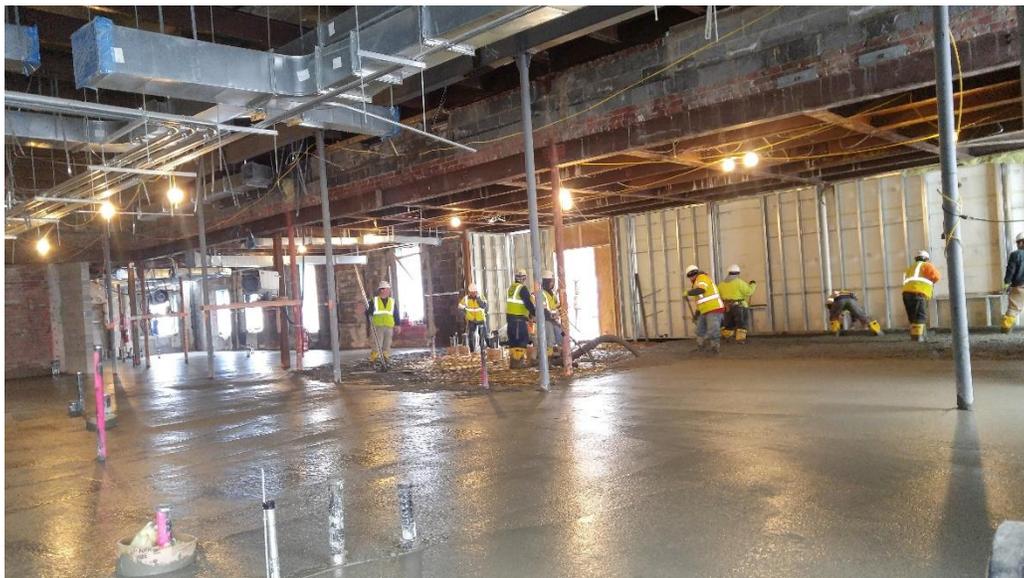
poor results and the decision was made to replace the floor completely and reinstall it correctly with a vapor barrier, sub-grade drainage material, and drainage piping. The amount of moisture permeating the floor would have been a consistent source of problems ranging from floor finish adhesion to adverse health effects to

personnel. On January 16th concrete cutters were on site to cut the floor in to 3'x3' sections for removal. Verdi's excavation team came in to remove the floor

on January 18th. They encountered some subgrade walls, and some unstable material, that needed to be remedied to allow for the proper installation of the new floor. They installed the drainage material and drainage piping and finished on January 31st. Verdi's' subcontractor DJ



Concrete was on site February 1<sup>st</sup> to start to prepare for the floor installation, installing the vapor barrier and floor reinforcement, then pouring the 5800 sq. ft. floor on February 6th.



Vamco: HVAC Contractor

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Vamco was on site after the floor was replaced and the interior walls were laid out by the framing contractor. They cut holes in the roof and installed the roof curbs for the HVAC units on February 14th. Vamco received a load of ducting on February 16th and started installing the ducting on the 20<sup>th</sup>



Mengler Mechanical: Plumbing Contractor

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Mengler was on site during the floor removal to repair and move underground septic previously installed. Mengler is currently installing the roof drains and the interior sanitary and vent stacks and carriers for the locker rooms and lavatories.



Foremost Electric: Electrical Contractor

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Foremost has been onsite arriving in January to install outlet, switch, and low voltage boxes in the interior block walls around the garages and the arms room. They are currently laying out and installing switch, outlet, and low voltage boxes.



**Owners Consultants:**

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**Lothrop Associates, Architect:** Is onsite bi-monthly to attend construction meetings. They have been onsite to attend meetings initiated as we proceed, and to give direction when unforeseen conditions are uncovered during construction. Calgi Construction consults with Lothrop on a daily basis.

**ESS Tower Service:** has been onsite to install new antenna mounts and to bring the antenna up to current safety standards. They are expected back on site to install additional support to the new antenna mounts.

**Hahn Engineering:** Has been onsite to witness the installation of the water service line and the water service line pressure test. They attend periodic site meetings and answer all RFI pertaining to site work as they arise. Hahn reviews all test results as they pertain to the installation of site structures and utilities. They have been onsite consistently during the installation of subsurface structures and utilities.

**Special Testing Laboratory:** Has been onsite to inspect rebar installation, mortar & grout strength, fill material compaction, and the fluid applied air barrier thickness.

**John Beech:** Was onsite to install three 2" conduits from the town court side of the new police station site to the maintenance building on Park Street for upgraded network infrastructure.

**Bell Furniture:** has been on site to coordinate the lay of furniture and placement of outlets and low voltage terminations.

**Sullivan Data:** Coordinated and preside over the first low voltage meeting with the low voltage contractors. They provided preliminary and revised coordination drawings.

**Front Runner:** has attended coordination meetings and has been in contact with Calgi Construction for camera placement and door security lay out. They have provided preliminary and updated drawings for device installation.

**Inner Space systems:** Has coordinated tactical and evidence locker design and installation with Lothrop Associates and Calgi Construction. They have provided initial and revised drawings for installation.

**Looking Ahead:**

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**Verdi:**

During March Verdi will be installing all the interior partitions and finishing installing the trusses. They will frame the east roof hip section above the chiefs' office, and sheath the roof. They the mason will continue to install brick veneer on the west gable wall moving up to the false chimney walls on the roof for the thin brick veneer application. The roofer will be on site to install roofing underlayment, and the framer will install the exterior trims and fascia, before the installation of the of the roof material.

**Vamco:**

Vamco will be installing ducting throughout the building until finished.

**Mengler Mechanical:**

Mengler will be on site installing cast iron sanitary waste until the interior walls are built. They will then ruff-in water and gas lines throughout the building.

**Foremost Electric:**

Foremost will continue to layout and install conduit and boxes for low voltage terminations and devices. The electrician will have all boxes in place and pull wire when the building is weather tight.