WMC MECHANICAL
PROJECTS

Improved Conventional Munitions/Multiple Launch Rocket Systems

Project Scope:

The project was a "green-field", fast-track, design-build project consisting of three munitions demolition buildings and associated infrastructure. The project demanded precise locating of three complex buildings placed on a seventeen acre site, requiring exact elevations for buildings, explosion protection berms, infrastructure, and air pollution control equipment as required by the Department of Defense and Missouri Department of Natural Resources. The three buildings house some of the world's most advanced munitions demolition equipment. Design considerations and coordination were crucial to success.

Additional Information Regarding the Scope:

The Improved Conventional Munitions/Multiple Launch Rocket Systems (ICM/MLRS) project was a large, complex, and fast-track, design-build project, which will be completed on time, with a high degree of owner and Government satisfaction. This success can be attributed to WMC, Inc.'s commitment to utilize experienced Management in combination with well trained regional craftsmen.

WMC, Inc. was responsible for the construction management of the project including but not limited to: budget setting, engineering procurement and design assistance, construction scheduling, payment schedules (assisted the owner), coordination of progress meetings, implementation of all construction activities and self-performed the vast majority of the field construction. WMC, Inc. placed over 3,000 cubic yards of concrete in the construction of the three buildings.

The project included:

Buildings #1, #2, & #3, Site Utilities: Electrical Services and Transformer placements, Roadways and Roadway Lighting, Parking Areas, Storage Areas and Building Exterior Lighting, Natural Gas Services, Fire and Potable Water Services, Sanitary Sewers, Storm Water and Process Water Containment, Final Grade Work

WMC, Inc. performed the following:

Buildings #1, #2 &#3, Under Slab: Electrical, Grounding Grids, Plumbing, Building Foundations and Footers, Reinforced Concrete Blast Wall Footers, Final Grade Work and Compaction for Concrete Flatwork

Buildings #1, #2, & #3, Above Grade: Forming, Rebar Placement and Placement of 16ft. high x 12-inch thick Reinforced Concrete Blast Walls, (One of the continuous pours scheduled, placed 360 cubic yards of concrete for the blast walls in a five-hour time frame, Structural Steel, Architectural Steel, Siding, Electrical Power Wiring, Grounding Grid & Lightning Protection, Conduit and Lighting (Class-1, DIV-1 electrical), Direct Digital Control (DDC), Exterior Lighting,

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Plant Communications and Life & Safety Systems, Plumbing, Heating Ventilation and Air Conditioning (HVAC) Systems to maintain critical humidity and operating temperatures, Compressed Air Systems, Conveying Systems, Crane Systems (both Jib Type and Overhead), Mill Wright Work, Steel Blast Door Fabrication and Installation, Installation of new Air Pollution Control Equipment, Installation of new Scrap Collection Systems, Installation Assistance for Demolition Equipment, Installation of new Back-Up Power Generator.

Subcontractors were brought in for HVAC controls, painting, concrete flatwork and garage doors. Subcontractors were given schedules in advance of their work and managed though contracts and Microsoft Project.

The project duration was 390 days and was completed in August 2009. WMC, Inc. has expended over 96,000 man-hours without a recordable or lost time accident. In addition, more work has been added, primarily due to WMC, Inc's ability to perform the required tasks on, or ahead of schedule, and bring them in under budget. The value of this project is estimated at $18 million. WMC, Inc. has a continuing strong relationship with EBV-EEC and is anticipating continuing work to meet EBV-EEC's corporate vision.