

MATTHEW A. MUSE, M.B.A., P.E., PMP

Mr. Muse is a Principal with Long International and has 25 years of project management experience, including contract analysis, delay analysis, dispute resolution, subcontractor management, risk management, budgeting, change control, critical path schedule preparation, earned value reporting, and cost forecasting. He has analyzed construction schedules for owners and contractors to determine the causes of construction delays and to equitably allocate responsibility for delay-related costs. His project experience spans various industrial sectors including energy, combined cycle, coal, nuclear power plants, utilities, as well as automotive body, paint, and assembly facilities. Mr. Muse is proficient in the use of Primavera P6 and P3, Microsoft Project, Oracle and SAP financials, Prolog and Prism cost reporting, Hard Dollar estimating and cost control. Prior to joining Long International, Mr. Muse held positions as a Field Engineer, Project

Manager, Project Controls Analyst, Project Controls Manager, District Project Controls Manager, and Director of Project Controls.

EDUCATION

M.B.A., Marquette University, Milwaukee, Wisconsin, 2011

B.S., Civil Engineering, Michigan Technological University, Houghton, Michigan, 1997

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Texas (No. 143572)

Project Management Professional (PMP), 2012

Safety Trained Supervisor (STS), 2007

Engineering in Training (EIT) – State of Michigan, 1997

PROFESSIONAL AFFILIATIONS

Project Management Institute

Board of Certified Safety Professionals

AACE International

TECHNICAL EXPERIENCE

- EPC, Bid-Build, and CM contracting methodologies
- Baseline CPM schedule development and maintenance
- CPM schedule analysis
- Time Impact Analysis (TIA)
- Contemporaneous period analysis
- As-Planned vs. As-Built Analysis
- Work Breakdown Structure (WBS) development and implementation
- Cost Breakdown Structure (CBS) development and implementation
- WBS and CBS correlation and integration

- Change order development and pricing
- Subcontract management and oversight
- Client and subcontract payment application/SOV development
- Quantity takeoffs, tracking procedures, and processes
- Production and productivity analysis
- Earned value measurement development and implementation
- Definition and development of standardized project controls procedures
- Cost reporting processes
- Cash flow development
- Construction planning, start-up scoping and definition
- Historical performance tracking and analysis
- Corporate strategy and leadership
- Field construction experience

PROJECT EXPERIENCE

Mr. Muse has 25 years of construction management and project controls experience, which includes construction claim preparation and analysis. His experience includes delay analysis and dispute resolution, subcontractor management, risk management, budgeting, change control, critical path schedule preparation, earned value reporting, and cost forecasting. Representative projects include the following:

Delay and Dispute Resolution Experience

- Performed CPM schedule evaluation, as well as critique of opposing expert delay assessments, on a mining expansion project with a claim value of US\$400 million.
- Performed multiple services on a multibillion-dollar dispute involving an LNG processing facility. Services included assessment of several subcontractor delay and disruption claims, quantum analysis of multiple support subcontracts, as well as critiquing opposing expert delay assessments.
- Performed schedule corrections, as well as a contemporaneous period analysis, TIA, and causation review for a US\$2 billion claim on a refinery project.
- Conducted a TIA and delay assessment on a bridge deck replacement project.
- Performed a schedule review and corrections, as well as a contemporaneous period analysis, and a causation review for a US\$88 million claim on a transmission line project.
- Performed an As-Built vs. As-Planned schedule analysis for a US\$31 million claim on a pipeline project.

Power Projects

- Project Controls Manager responsible for all planning and scheduling, cost control and forecasting, change order development and processing, labor productivity analysis, earned value development, and monthly reporting on a 4-unit, 1100 MW coal-fired power plant Air Quality Control System (AQCS) retrofit project.

- Lead Cost Analyst responsible for all cost control and forecasting, labor productivity analysis, earned value development, and cash flow generation on a 1090 MW combined-cycle power plant project.
- Lead Scheduling Analyst responsible for baseline CPM schedule development, daily schedule updating and maintenance, critical path analysis, and earned value measurement on an 870 MW pressurized water nuclear reactor steam generator replacement project.
- Cost Analyst responsible for all cost forecasting, labor productivity analysis, subcontractor quantity tracking, and earned value reporting on a 1380 MW combined-cycle power plant project.

Industrial Projects

- Lead Scheduler responsible for the development and maintenance of an integrated project schedule. Also handled subcontractor management for various contracts, including oversight, coordination, invoice approval, and contract closeout on a 2.5M sf automotive assembly plant project.
- Field Engineer for installation of paint line structures, including housing and conveyor systems on a 4.0M sf automotive assembly plant project.

PROFESSIONAL EXPERIENCE**Long International, Inc.**

Los Angeles, California Area (February 2015 to September 2021) and Dallas/Fort Worth, Texas Area (September 2021 to Present)

As a Principal with Long International, Mr. Muse provides CPM scheduling, claims management, and dispute resolution services to the construction industry. He specializes in preparing detailed schedule analyses and apportioning responsibility for delays, disruption, and acceleration impacts. He is skilled at contract analysis, claims preparation, and claims defense. He has analyzed construction schedules for owners and contractors to determine the causes of construction delays and to equitably allocate responsibility for delay related costs. He has developed “cause and effect” analyses and presentations for time extensions and delay damages.

RES Americas

Broomfield, Colorado (December 2013 to January 2015)

As Director of Project Controls, Mr. Muse led the Project Controls Group of a renewables contractor. He implemented a long-term vision for controls within the company, including standardized project deliverables, office and site staffing, scheduling and cost reporting platforms, and EPC execution methodology, including fast-track project delivery.

Kiewit Power Constructors

Lenexa, Kansas (January 2013 to December 2013)

As District Project Controls Manager, Mr. Muse had a leadership position involving project controls process definition, standards development, and implementation. He also oversaw historical performance tracking and analysis, and review and refinement of project reporting deliverables.

URS Corporation*Princeton, New Jersey (April 2000 to January 2013)*

Mr. Muse was the Project Controls Manager on an AQCS retrofit project. He oversaw a team of schedule and cost analysts responsible for schedule baseline development and maintenance, development of earned value measurement system, cost control and forecasting, labor productivity analysis, and monthly reporting.

As a Project Controls Analyst, Mr. Muse was responsible for cost and schedule analyst duties on multiple combined-cycle power plant projects, including cost control and forecasting, labor productivity analysis, earned value development, schedule development, and critical path analysis.

Broad Rack Structures*Detroit, Michigan (October 1998 to January 2000)*

As a Project Manager, Mr. Muse was responsible for project management functions on multiple Automated Storage/Retrieval Systems (AS/RS) including profit and loss responsibility, client correspondence, subcontract negotiation, material procurement, labor relations, construction oversight, planning and cost forecasting, and project closeout.

Broad, Vogt, and Conant*Detroit, Michigan (April 1997 to October 1998)*

Mr. Muse was a Field Engineer responsible for verification of installed quantities, material tracking, design issues, Requests for Information, Non-Conformance Reports, schedule development and maintenance, and as-built drawing completion for various structural steel installations on multiple industrial projects.