TAHIR KHATTAK, *PMP, PMI-SP, RMP, PE*
Project Controls Director/Risk & Scheduling Manager

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Tahir Khattak, PE, PMP, PMI-SP, RMP, is a seasoned project controls professional with over 17 years of experience supporting large-scale infrastructure programs in the transportation, water, energy, education, and building sectors. He brings deep expertise in project controls, schedule management, document control, cost estimating, earned value analysis, time impact analysis, delay claims, forensic schedule analysis, and contract management. Tahir is proficient in Primavera P6, MS Project, AutoCAD, E-Builder, and the Microsoft Office Suite, and has consistently delivered value across all phases of project delivery from planning through execution and closeout.

Project Controls Director
01/2021 – Present
Providing project controls/scheduling services on multiple projects with construction cost of ~$1M - $200M. Key responsibilities include Project Baseline development, risk identification & management, monthly cost and resource-loaded schedule updates, time impact analyses, earned value reports for payment applications, and progress reports. Providing services including Baseline development, Claims preparation / Time Impact Analysis, and scheduling updates on the projects.

PMOC Risk Assessment Manager II
USDOT Federal Transit Administration
08/2025 – Present
Working on Multiple FTA funded Transit Projects as the Risk Assessment Manager II to perform Quantitative and qualitative Schedule and Cost Risk Analysis.

PMOC Scheduling Manager
USDOT Federal Transit Administration
10/2025 – Present
Working on Multiple FTA funded Transit Projects as the Scheduling Manager to review schedules and perform Quantitative and qualitative Schedule Risk Analysis.

Program Manager: US Department of Transportation, Federal Transit Administration
01/2020 – 04/2025
Served as a Branch Chief/Program Manager (Subject Matter Expert) providing project management oversight (PMO) on multiple complex, multibillion-dollar transit infrastructure projects across the United States. Led and supported a wide range of program controls activities including risk workshops, scope validation, cost and schedule reviews, and compliance assessments aligned with FTA guidelines. Facilitated coordination among grantees, contractors, and FTA stakeholders to ensure successful project delivery. Provided expert recommendations on schedule integrity, cost estimating accuracy, risk mitigation strategies, and project performance measurement. Played a key role in evaluating project readiness, identifying high-risk elements, and supporting grant funding decisions. Contributed to internal reporting, risk-based monitoring, and development of program-wide performance metrics to guide decision-making at the federal level.

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Firm
Project Management and Controls Consulting LLC

Education
MSc, 2017, Civil & Infrastructure Engineering, George Mason University, Fairfax, VA
BSc, 2008, Civil Engineering, NUST, Islamabad

Professional Registrations
Professional Engineer:
DC 2019, (#PE921446)

Certifications & Training
Project Management Professional:
VA, 2015

PMI- Scheduling Professional:
VA, 2016

PMI- Risk Management Professional:
VA, 2023

Dispute Resolution Board Administration & Practice/Chairing Training by Dispute Resolution Board Foundation

Management Essentials: Harvard Business School

Contract Law & Construction Delay Claim by FPS

RSMeans Cost Estimating by Gordian

Forensic Schedule Delay Analysis Training by Project Control Academy

Professional Affiliations
Project Management Institute
DC Board of Professional Engineers

Years of Experience: 17

Major Infrastructure Projects Supported

- **Silicon Valley Phase II Extension Project** – *Project Cost: $12.3 billion*
- **BART Transbay Corridor Core Capacity Project** – *Project Cost: $2.705 billion*
- **Transbay Downtown Rail Extension Project** – *Project Cost: $8.3 billion*
- **Caltrain Peninsula Corridor Electrification Project** – *Project Cost: $1.93 billion*
- **South Central Light Rail Extension Project** – *Project Cost: $1.345 billion*
- **Valley Link Rail Phase 1 Project** – *Project Cost: $1.8 billion*
- **HART High-Capacity Transit Corridor Project** – *Project Cost: $9 billion*
- **Central Subway Light Rail Extension Project** – *Project Cost: $1.578 billion*
- **Mid-Coast Subway Corridor Project** – *Project Cost: $2.17 billion*
- **Santa Ana to Garden Grove Streetcar Project** – *Project Cost: $500 million*
- **Northwest Phase II Light Rail Extension Project** – *Project Cost: $401 million*
- **Richmond Highway BRT Project (RHBRT)** – *Estimated Cost: $730 million*

Project Controls Lead: Transportation (Bridge/Roadway)
10/2017 – 01/2020

Led project controls on this major transportation infrastructure project, responsible for reviewing and recommending approval of the contractor's baseline and progress schedules, risk register, change orders, and performance metrics. Communicated schedule status and identified project key risk areas to the project management team and DDOT. Performed schedule risk analysis, including quantitative assessments, and developed "what-if" scenarios to evaluate alternative sequencing options and mitigate potential delays. Conducted claims-related analysis, including contractor-submitted delay claims, time impacts, and associated cost estimates. Delivered integrated cost and schedule reporting, including earned value analysis (EVA), and conducted both contemporaneous and forensic schedule reviews. Managed detailed analysis of contractor schedule submittals and ensured contract compliance using E-Builder and other project management systems. Played a key role in resolving construction delay claims.
The role also involved comprehensive review and analysis of design and construction plans to validate the construction sequence, time, and cost estimates provided by the contractors. This included review of Maintenance of Traffic (MOT) plans, Support of Excavation and Ground Improvement plans, Utility Protection and Relocation plans, Substructure and Superstructure design, Civil and Drainage layouts, Erosion and Sediment Control strategies, Geotechnical reports, Cost Estimates and Progress Payments, Project Constructability assessments, Contractor's sequencing and CPM schedules, as well as technical Specifications and applicable construction Standards.

South Capitol Street Corridor and Frederick Douglass Memorial Bridge Replacement Project
Start – End Date: 2017 (design); 2021 (construction)
Cost: $440 million

Project Controls Engineer: Water/Wastewater (Water Treatment Facility)

10/2015 – 10/2017

Served as the Project Controls Specialist responsible for preparing and updating the program's master and summary-level schedules, managing claims and disputes, and monitoring monthly schedule performance across multiple concurrent projects. Provided detailed schedule compliance reviews and commentary to the Engineer and Loudoun Water, identifying deficiencies in contractor submissions and working directly with contractors to resolve high-priority scheduling issues. Recommended preventive actions to improve schedule practices and enhance reliability.
Prepared earned value management (EVM) reports, variance analyses, and forecasting models to support the program management team. Conducted detailed analysis of contractor claims and time impact evaluations, offering actionable recommendations. Represented Loudoun Water in schedule review meetings, presenting critical path analysis and tracking construction progress against scheduled milestones. Developed and analyzed resource-loaded S-curves by trade, comparing actual performance with baseline plans to evaluate productivity and inform

forecasting. Recommended corrective actions and industry best practices during stakeholder meetings. Also coordinated and reviewed startup and O&M training sessions with the contractor for owner representatives and prepared and distributed comprehensive program progress and project performance reports.

Potomac Water Supply Program Trap Rock Water Treatment Facility Project
Start – End Date: 2012 (design); 2017 (construction)
Cost: $400 million

Project Controls Engineer: Infrastructure and Utilities
01/2015 – 10/2015

Provided project controls support on multiple NAVFAC, U.S. Army Corps of Engineers (USACE) and Department of Defense (DOD) infrastructure projects. Supported the development of baseline schedules and detailed build strategies, coordinating with site schedulers to incorporate review comments and ensure timely submission to government stakeholders. Identified, sequenced, and logically linked construction activities in alignment with project execution strategies and scheduling standards. Developed and performed Time Impact Analyses (TIA), and prepared TIA packages for approval in accordance with government requirements.

Performed monthly schedule updates, analyzed progress, and conducted critical path analyses to identify deviations and corrective actions. Supported the development and maintenance of an integrated master schedule by accurately consolidating data from various sources. Generated progress reports detailing actual and projected cost and schedule performance, resource utilization, and earned value metrics.

Contributed to the preparation of corrective action measures, including schedule revisions, manpower reallocations, funding adjustments, and work re-sequencing. Created and maintained baseline schedules, project status reports, and performance metrics. Developed Work Breakdown Structures (WBS), activity coding structures, and resource definitions. Loaded cost and resource data into Primavera P6 and tracked schedule performance. Analyzed schedule trends to proactively mitigate delays and schedule risks, ensuring alignment with contract requirements and program goals.

Start – End Date: 2015 (design); 2017 (construction)
Cost: $125 million

Building and Infrastructure (Public Building Construction)
01/2014 – 12/2014

Supported the planning and scheduling of over 610 projects under the KAP3 program, a large-scale public building initiative valued at $4 billion. Reviewed and prepared schedule baselines for individual project packages using Primavera P6, assigned budgets and resources, and regularly updated schedules to reflect progress and changes. Assisted in the development of the program master schedule and performed critical path analysis to ensure timely delivery and coordination across all workstreams.

Contributed to the integration of project budgets with schedules to support accurate reporting and forecasting. Developed schedule performance measurement reports, manpower utilization frameworks, and cash flow projections for the overall program. Analyzed schedule constraints and critical paths to evaluate the impact of changes, and proposed workarounds and mitigation strategies as needed.

Assisted in the preparation of monthly progress reports and supported the establishment and monitoring of project controls KPIs. Worked with the Project Controls team to perform earned value analysis, track performance metrics, and ensure alignment with project policies and procedures. Maintained regular communication with construction teams to gather updates, resolved scheduling issues, and prepared correspondence for both the client and contractors. Also contributed to claims analysis and supported the PC&S team in evaluating contractor-submitted claims.

Start – End Date: 2014 (design); 2017 (construction)
Cost: $4 billion

Infrastructure (Building Construction)
2013

Construction of Lahore Metrobus Project, Lahore, Pakistan- Civil Engineer responsible for Cost and Schedule development/management.
Prepares/develop work scope to be estimated by review of proposal, specification, plans and related documents. Review of all project requirements and creating list of items to be estimated i.e. labor, material, and time. Computes quantities and costs by analyzing labor, material, and time requirements and coordinating with vendors/subcontractors.
Maintains cost data base by entering and backing up data to be used as historic information for future projects.
Start – End Date: 2012 (design); 2013 (construction)
Cost: $220 million

Multi Industry Formwork Planning, Design and Estimation, Bahrain & KSA
2010 - 2012

Provided constructability reviews, formwork planning and design, quantity and cost estimation, and field engineering support on a range of high-profile commercial and infrastructure projects across Bahrain and the Kingdom of Saudi Arabia. Responsibilities included reviewing construction methodologies for feasibility, planning formwork systems, optimizing material use, and ensuring cost-effective and timely execution strategies.

Key projects supported included LAMAR Tower (KSA), CMA Headquarters (KSA), Haram Expansion (KSA), Ras Al Zawr Power and Desalination Plant (KSA), Holiday Inn (Bahrain), National Theatre (Bahrain), Sakoon Tower (Bahrain), Banader Hotel (Bahrain), Four Seasons Hotel (Bahrain), and multiple bridge construction projects across KSA and Bahrain.

Start – End Date: 2010 – 2012

Power (Transmission Line Construction) – Apr-08 to Jan-10

Served as Civil Engineer on the EPC construction of a 380kV overhead transmission line and associated access roads in the Kingdom of Saudi Arabia. Responsible for construction planning, supervision, and on-site management. Reviewed design plans and specifications to identify material requirements and quantity takeoffs. Drafted requests for quotations (RFQs), analyzed vendor price proposals, and supported procurement by preparing purchase orders and subcontractor agreements. Developed scopes of work and estimated quantities to be subcontracted, conducted price negotiations, and prepared comprehensive cost estimates for the overall project budget.
Start – End Date: 2008 - 2010
Cost: $73 million

Power (Construction of Hydropower Station)

Worked as a Civil Engineer on the construction of the 96MW Jinnah Hydropower Project in Pakistan, with responsibilities spanning construction planning, quality assurance and quality control (QA/QC), and overall project management support. Tasks included preparing and reviewing construction plans, ensuring compliance with technical specifications, monitoring site activities for quality and safety, and estimating material quantities and project costs to support effective resource planning and budget control.
Start – End Date: 2008
Cost: $160 million