

Aditya (Ady) Sapkal, PSP, PMP

Associate Director

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Aditya (Ady) Sapkal brings over 12 years of experience in critical path method (CPM) scheduling, Time Impact Analysis (TIA), scenario-based planning, and project controls on complex mega-infrastructure and energy capital programs. His background spans more than \$25 billion in high-stakes capital undertakings across North America, including the \$19B Hudson Tunnel Project (Gateway Program), the \$2B Restoring the George Washington Bridge Program, and multi-billion-dollar offshore wind and transmission initiatives.

Ady specializes in schedule assurance, baseline validation, critical path analysis, and prospective schedule risk mitigation. Known for developing agency-wide CPM scheduling specifications, conducting rigorous “what-if” scenario modeling, and implementing conflict-mitigation tools, he combines deep technical expertise in Primavera P6 with forward-looking risk oversight to provide owners and project teams with critical path clarity.

Selected Project Experience

- ▶ The multibillion-dollar Hudson Tunnel Project: Served as Schedule Assurance Lead, overseeing master program schedule assurance for one of North America’s largest rail megaprojects. Audited integrated master CPM schedules across design, procurement, tunneling, and commissioning to ensure governance and interface alignment among federal agencies, transit partners, and contractors.
- ▶ Revolution Wind Farm Execution Phase (\$1.5 Billion | 704 MW): Served as Senior Project Planner – Offshore Execution, directing planning for offshore execution and driving weekly critical-path synchronization across foundations, export cables, inter-array cables, and offshore wind turbine installation (WTG).
- ▶ North East Offshore Wind Program (\$3.5B – \$4.5B | 1.4 GW Portfolio): Directed construction management scheduling and standardized executive reporting frameworks across a 1.4 GW multi-asset portfolio (Revolution Wind, Sunrise Wind, and South Fork Wind), boosting program-wide reporting efficiency and schedule transparency by 80%.
- ▶ Restoring the George Washington Bridge Program (\$1.5B – \$2.0 Billion): Served as Lead Project Controls Engineer, overseeing CPM schedule integration, earned value analysis, and contractor oversight across a 10-year, 11-project capital overhaul of the world’s busiest motor vehicle bridge. Earned AECOM’s Making A Difference Award for sustained on-site leadership.
- ▶ GWB Suspender Ropes & Main Cable Rehabilitation (~\$500 Million): Performed Time Impact Analyses (TIAs) on contractor schedule submittals, reviewed baseline and monthly progress updates, and developed technical review reports to evaluate milestone impacts and model recovery options.
- ▶ Trans-Manhattan Expressway (TME) Barrier Replacement Project (~\$60 Million): Managed multi-contractor CPM schedule interfaces along a dense interstate corridor. Implemented automated lane-closure conflict tracking systems that integrated Primavera P6 with operational data, mitigating site-level schedule conflicts by 10%.
- ▶ Palisades Interstate Parkway Helix & NJ Anchorage Spans (~\$100 Million): Modeled “what-if” delay scenarios and staging options for resident engineers, tracked pre-construction milestones, and monitored critical path adherence on key approach structures.
- ▶ GWB Main Span Upper Level Structural Steel Rehabilitation (~\$150 Million): Developed Earned Value Analysis (EVA) and financial forecasts across structural steel rehabilitation scopes, advising project leadership on recovery measures for off-path activities.



EDUCATION

- **University of Florida**
M.S., Civil Engineering
- **Harrisburg University of Science and Technology**
M.S., Project Management

CERTIFICATIONS & LICENSES

- Certificate in Financing & Deploying Clean Energy, Yale University
- Planning & Scheduling Professional (PSP)
- Project Management Professional (PMP)