

AMANDEEP SINGH BAJWA

MBA, UCLA Anderson | PMP | CCP | PSP

Cost Management, Estimating & Project Controls Leader | Capital Programs · Energy · Heavy Industrial · Infrastructure
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PROFESSIONAL SUMMARY

Cost management and project controls leader with 14 years across \$1.5B+ of energy, utility, and infrastructure capital programs — GC/EPC delivery first, the owner's chair since. Owner's cost manager and estimating lead on SoCalGas's (Sempra) \$1B compressor-station and pipeline program: heavy-industrial facilities with long-lead major equipment, built on live in-service infrastructure, with a cost basis defended to FERC/CPUC. Stood up the client's change management department from nothing (now ~10 people, led by the practitioner trained to run it), leading its Oracle Primavera Unifier implementation, and built the Power BI cost-performance layer leadership allocates capital from.

AREAS OF EXPERTISE

Cost Engineering & Cost Control • Cost Estimating (AACE Class 5–3) • Independent Estimates & Bid Reconciliation
Quantity Surveying, Take-off & Unit Rates • EAC Forecasting & Earned Value (EVM) • Cash Flow Forecasting & Accruals
Trend, Change Order & Claims Management • Forensic Schedule & Delay Analysis • Risk, Monte Carlo & Contingency
Capital Governance & Internal Controls • FERC/CPUC Regulatory Compliance • Commercial & Contract Management
Budgeting, WBS & Cost Baseline Control • Variance Analysis & Capex Reporting • Primavera P6 Schedule Analysis
Oracle Unifier Implementation • Executive Reporting (Power BI) • Preconstruction Estimating • Team Leadership & Mentoring

PROFESSIONAL EXPERIENCE

CM Solutions (CMS) — Client: SoCalGas (a Sempra utility)

Los Angeles, CA | Jun 2019 – Present

PRINCIPAL PROJECT CONTROLS MANAGER

Jan 2024 – Present

SENIOR PROJECT CONTROLS ENGINEER

Jan 2022 – Dec 2023

PROJECT CONTROLS ENGINEER

Jun 2019 – Dec 2021

Promoted twice across a seven-year embedded engagement, renewed and expanded three times. Joined as an engineer on the \$335M Blythe Compressor Station; now the owner's-representative cost manager and estimating lead across the compressor station and pipeline capital portfolio — the RECLAIM emissions-compliance portfolio (four projects, ~\$200M) and the \$1B HRCM program — heavy-industrial energy facilities with long-lead major equipment, built on live, in-service infrastructure, and the single point of accountability senior project and construction leadership rely on for capital cost decisions.

- **Built a Client Function:** Stood up Change Management as a standalone SoCalGas department where none existed — governance model, authority thresholds, approval workflow, and control procedures — and trained the practitioner who now leads it; the department has since grown to ~10 and operates independently of the engagement.
- **Commercial Recovery:** Negotiated contractor change order requests and delay claims — cost-impact RFIs, delay claims, and IFB-to-IFC design changes — down 15% in aggregate against submitted value by independently pricing and validating every request, and rebuilt the change control lifecycle to close approval gaps and stop scope leakage.
- **Independent Estimating:** Own the owner's estimating practice from benchmarked AACE Class 5 conceptual estimates through 60% design-development (Class 3) budgets; prepare independent cost estimates for every change order and cost-impact RFI from quantity take-offs and unit-rate build-ups, and reconcile contractor bids and change proposals against them before negotiation; extended the practice to ROM and 60% design-development estimates for hangar and airport facilities on internal CMS pursuits.
- **Executive Advisory:** Built estimate-at-completion (EAC) models and Power BI cost-performance dashboards adopted by the Director of Engineering and senior leadership as the basis for capital allocation, reforecasting, and portfolio prioritization (demonstration: amandeepsinghbajwa.com/practice).
- **Financial Controls & Cash Management:** Own monthly cash flow forecasting, accrual development, and commitment tracking across the portfolio; certify contractor invoices and payment applications against contract terms, schedule of values, and verified field progress before release.
- **Forensic Analysis & Claims Defense:** Performed forensic schedule and cost analysis of contractor delay claims on the \$335M Blythe project — including COVID-19 work-stoppage claims — establishing entitlement, causation, and quantum to drive negotiated resolutions and protect the owner's commercial position.
- **Systems Implementation:** Leading the Oracle Primavera Unifier transition for SoCalGas capital facility projects — piloted across a four-project, \$200M portfolio and now deploying on the \$1B HRCM program — defining cost structures, workflows, and reporting for the owner's system of record.
- **Risk Management:** Maintain project risk registers with quantified cost and schedule exposure; run Monte Carlo simulations to set and defend contingency levels, and prepare risk response strategies adopted by project leadership for mitigation and drawdown decisions.

- **Regulatory & Capital Planning:** Direct cost substantiation and controls documentation for internal audit and FERC/CPUC rate-case filings, and deliver benchmarked conceptual estimates that secure preliminary budget approvals and anchor long-range capital planning.
- **Capability Building:** Mentor and train client controls staff in EVM, change governance, and estimating; volunteer instructor for AACE International's CCP certification program.

2017 – 2018 · M.S., Civil Engineering — University of Kansas (full-time; see Education)

Larsen & Toubro Limited

Chennai, India & Abu Dhabi, UAE

CONSTRUCTION MANAGER (PROGRESSIVE ROLES)

Feb 2011 – Dec 2016

Business Development Engineer (Feb 2011 – Feb 2012) · Planning & Estimation Engineer (2012 – 2014) · Construction Manager (2014 – Dec 2016). Joined in Chennai on tendering and commercial work, then moved to the UAE across planning, estimating and construction management on EPC and fast-track design-build delivery — Sheikh Khalifa Interchange, Mafraq-Al Ghweifat Highway, and Abu Dhabi International Airport.

- **Planning & Estimating:** Planning engineer and estimator on the Sheikh Khalifa Interchange — schedule development and cost estimating on a major Abu Dhabi DoT interchange.
- **Field Delivery:** Construction manager on the Mafraq-Al Ghweifat Highway and Abu Dhabi International Airport; directly managed four foremen and their multidisciplinary crews delivering a ten-mile highway section on schedule.
- **Commercial Strategy:** Core tendering-team member on nine major bid-build pursuits; value-engineering alternatives credited in four winning bids.
- **Procurement & Strategic Sourcing:** Led procurement for 200+ critical line items — specification review, material identification, vendor qualification and selection — and negotiated blanket purchase agreements delivering \$1.5M in direct savings.
- **Process Innovation:** Introduced a digital survey methodology that cut survey cycle time by 50% and costs by 75%, adopted as the divisional standard.

INDEPENDENT WORK

Ridgeline — Owner-Side Project Controls Automation

Jan 2026 – Present

Working API and web application, built independently, that interrogates contractor submissions: automated estimate and take-off audits validated on a full-scale bid package (42,000+ priced rows; 19,633-ft piping take-off from drawings), flagging quantity discrepancies for resolution; drawing-sheet content fingerprinting that catches undeclared revisions; and an in-house CPM engine with DCMA 14-point quality gates and delay attribution that reproduces Primavera P6’s calculated dates exactly across consecutive monthly updates. · amandeepsinghbajwa.com/ridgeline

EDUCATION

Executive MBA — UCLA Anderson School of Management	Finance & Entrepreneurship	2026
M.S., Civil Engineering — University of Kansas		2017 – 2018
B.S., Civil Engineering — Nagpur University		2010

CERTIFICATIONS, SKILLS & AFFILIATIONS

Certifications: Project Management Professional (PMP) | Certified Cost Professional (CCP) | Planning & Scheduling Professional (PSP) | Lean Six Sigma Green Belt | OSHA 30

Memberships: Project Management Institute (PMI) | AACE International

Skills & Systems: Oracle Primavera Unifier | Oracle Primavera P6 | Power BI | SAP | Procore | HCSS | Advanced Excel & Data Visualization