

Nicholas de Haan is a licensed Civil Engineer with 20 years of experience in heavy civil and infrastructure construction, with a primary focus on structures estimating, alternative delivery, construction management, change order evaluation, and construction dispute analysis. His experience includes preparation of detailed estimates for large-scale infrastructure projects delivered through bid-build, CMGC, design-build, and P3 methods. He has also provided claim support, expert reports, deposition testimony, and expert testimony on disputes involving project values ranging from approximately \$20 million to \$4 billion.

LITIGATION, CLAIMS, DISPUTE EXPERIENCE:

City of Westminster v. Northern Colorado Constructors, Inc., et. al.

Role: Expert Report, On behalf of Carollo Engineers, Inc.

Issue: Standard of Care (Engineer, Construction Manager, Contractor)

Status: Ongoing

I-405, Renton to Bellevue Widening and Express Toll Lanes Project,

Role: Claim Support

Issue: Owner Breach Claims, Standard of Care (Designer Breach)

Status: Ongoing

SR520 Montlake to Washington I/C and Bridge Replacement

Role: Claim Support

Issue: Owner Breach Claims, Standard of Care (Designer Breach)

Status: Ongoing

North Texas Tollway Authority vs. Prairie Link Constructors JV, et al.

Role: Expert Deposition and Expert Testimony, representing Prairie Link Constructors JV

Status: Settled

US181 Harbor Bridge, TxDOT - \$270M

Role: Claim Support

Issue: Standard of Care (Designer Breach)

Status: Ongoing

County of San Bernardino vs. Cushman Contracting Corp.

Role: Expert Deposition, representing County of San Bernardino

Status: Settled

Myers & Sons Construction, LP v. OHL USA, Astaldi Construction and OC 405 Partners

Role: Expert Deposition and Expert Testimony, representing OC 405 Partners

Status: Settled

POST AWARD/PROJECT START-UP ON ALTERNATE DELIVERY PROJECTS

LAX Automated People Mover, Los Angeles, CA - \$4.9 Billion - P3

- Budget structures, review design scope growth, prepare change orders for complex structure disputes

California High Speed Rail - CP 2-3, Selma, CA - Design-Build

- Prepare and negotiate change orders

RECENT SUCCESSFUL PROCUREMENTS AS STRUCTURES ESTIMATOR

Qualifications

YEARS OF EXPERIENCE: 20

EDUCATION/TRAINING

BS - Civil Engineering - California Polytechnic State University, San Luis Obispo (2004)

LICENSES AND CERTIFICATES

Professional Engineer, Civil

(License #C72232)

Qualified SWPPP Developer (QSD)

(License #24516)

AREAS OF EXPERTISE

- Senior Structures Estimator
- Expert Witness
- Alternate Project Procurement and Delivery
- Large Project Pursuit Management
- Design-Build Management
- Independent Cost Estimation
- Manager on large, technically challenging, construction projects
- Temporary Construction Works Engineering
- Project Management
- Third Party Coordination
- Proposal Management
- Infrastructure Improvement Projects
- Cast-in-place Structures
- Precast Structures
- Steel Structures
- Moveable Bridges
- Tunneling
- Water Transmission
- Water Treatment Plants
- Construction/Demolition Projects
- Site Safety/OSHA Compliance
- Change Order Management
- Budgeting & Cost Control
- Subcontractor/Sub-Supervision
- Field Supervision

- I35 Austin North - TXDOT - Interchange and widening
\$600M Bid-Build
- HCRMA 365 - TXDOT - Interchange and new highway
\$300M Bid-Build
- Purple Line - MDOT - New light rail
\$2B - P3
- I-2/I-69 - TXDOT - Interchange and widening
\$200M - Design-Build

INDEPENDENT COST ESTIMATION (ICE) AS STRUCTURES ESTIMATOR

- BNSF 3.9 Sandpoint Bridge Replacement - \$20M - *Under Contract*
- BNSF Emporia Second Main Track - \$150M - *Under Contract*
- BNSF 81.4 Vader Bridge Replacement - \$50M - *Completed*
- BNSF 34.1 Victorville Bridge Replacement - \$20M - *Completed*

ADDITIONAL EXPERIENCE:

Feb 2016 - Jul 2017

Guy F. Atkinson

Role: Engineering Manager/Structures Manager/Estimator

- Managed engineering staff and provided technical support to regional projects for falsework, shoring, and formwork design
- Estimated and provided structures review on bids for regional bridge projects
- On the SR91 Corridor Improvements Design-Build project Nicholas managed personnel, budget, cost forecasting, and provided technical support for structures work. Nicholas also coordinated shoring and bridge construction around BNSF railroad. Project scope of work included extending the OCTA Express Lanes eight miles east to I-15, build SR 91/I-15 Express Lane direct connector ramps, construct 32 bridges (with crossings over railroad tracks in multiple locations, 100 retaining walls (~1 million SF), 290,000 SF of sound walls, and the tolling infrastructure.

Projects include:

- SR91 Corridor Improvements, Corona CA - \$627M

May 2010 - Feb 2016

Flatiron Corporation

Role: Project Manager/Estimator

- Managed multiple construction projects with budgets from \$8M to \$50M, duties included coordinating work, developing the baseline schedule, managing budgets, preparing, and negotiating change orders, support for dispute litigation, preparing time impact analyses, coordinating work around SCRRA railroad
- Prepared structure estimates for multiple regional Bid-Build infrastructure projects

Projects include:

- I-5 at Avenida Pico Undercrossing, San Clemente, CA - \$49M
- Highway 5/74 Interchange, San Juan Capistrano, CA - \$24M
- Riverside Drive Viaduct, Los Angeles, CA - \$60M
- IRWD Wells 21/22 Desalter Line, Tustin, CA - \$8M

June 2007 - May 2010

C.M. Peich

Role: Project Manager

- Managed personnel and budget and provided technical support for various underground projects. Nicholas analyzed and provided solutions for design deficiencies, unforeseen conditions and reviewed upcoming work to acquire/submit necessary permits and submittals in a timely manner to allow work to proceed unimpeded. He also prepared and negotiated change orders.
- Prepared estimates for multiple regional bid build infrastructure projects

Projects include:

- Terminal Hill Tunnel and Shaft, Sylmar, CA - \$1.5M
- Mid-City / Expo Light Rail, Los Angeles, CA - \$6M