Scaffold Engineering

PE Licensed in All 50 States & Various Canadian Provinces

Access Scaffold
Suspended & Work Platforms
Containment Systems
Falsework/Formwork Systems
Bridge Jacking

Special Event Structures
Structural Shoring
Wall Bracing
Multi-Floor Building Shoring
Cantilever Scaffold

707.537.8282 | WWW.CHARLESENGINEERING.COM
D.H. Charles Engineering, Inc.
is a civil/structural engineering firm specializing in providing construction engineering services to contractors throughout the United States and Canada. The firm, which was founded in 1992, is owned and managed by Jasper Calcara, P.E., who has design, consulting, and field inspection experience on thousands of projects since 1998.

We are distinguished from other engineering firms by the following:

- A professional and experienced staff of eleven engineers ensures projects are prepared efficiently and accurately by qualified personnel.
- PE stamp in all 50 states, Washington D.C., Ontario, Alberta, British Columbia, Manitoba, Saskatchewan, Newfoundland and Labrador.
- Focus on innovative solutions and problem solving, by relying on vast design experience and knowledge of state-of-the-art technologies.
- Dedicated to providing immediate and emergency response, with many critical designs turned around the same day.
- A one-stop-shop, offering a wide range of construction engineering services to satisfy all of our clients’ needs on even the largest projects.
- Services specifically tailored to satisfy clients in all time zones using electronic submittals, flexible hours, and prompt response to all inquiries.
- Onsite inspection, certification, coordination, and data collection services available.

More Project Photos and Details Online.

707.537.8282  |  WWW.CHARLESENGINEERING.COM
D.H. Charles Engineering, Inc. is a civil/structural engineering firm specializing in providing construction engineering services to contractors throughout the United States and Canada. The firm, which was founded in 1992, is owned and managed by Jasper Calcara, P.E., who has design, consulting, and field inspection experience on thousands of projects since 1998.

We are distinguished from other engineering firms by the following:

- Professional and experienced staff of eleven engineers ensures projects are prepared efficiently and accurately by qualified personnel.
- PE stamp in all 50 states, Washington D.C., Ontario, Alberta, British Columbia, Manitoba, Saskatchewan, Newfoundland and Labrador.
- Focus on innovative solutions and problem solving, by relying on vast design experience and knowledge of state-of-the-art technologies.
- Dedicated to providing immediate and emergency response, with many critical designs turned around the same day.
- A one-stop-shop, offering a wide range of construction engineering services to satisfy all of our clients' needs on even the largest projects.
- Services specifically tailored to satisfy clients in all time zones using electronic submittals, flexible hours, and prompt response to all inquiries.
- Onsite inspection, certification, coordination, and data collection services available.

More Project Photos and Details Online.

707.537.8282  |  WWW.CHARLESENGINEERING.COM

ENGINEERING SERVICES PROVIDED

Access Scaffold & Work Platforms
- OSHA compliant plans for scaffolds over 125’ tall
- Canopy/Overhead protection scaffolds
- Boiler scaffold systems
- Tank and stack access/enclosures
- Cantilever access scaffolds
- Suspended & ground supported dance floors
- Large stepped work platforms
- Demolition access & debris protection systems

Suspended Platforms
- Custom scaffold, strongback, steel or timber framed decks
- QuickDeck, Safespan, & Space Frame
- Swing stage design

Containment Systems
- Custom bridge, tank & structure containment
- Transportable enclosure systems
- Bridge & historic structure evaluation
- Ventilation analysis

Temporary Structures
- Bleachers & viewing platforms
- Zipline towers
- Access walkways, bridges & ramps
- Special event structures

Structural Shoring
- Building & bridge temporary supports
- Staged support or lifting systems
- Structural evaluation
- Bridge jacking

Falsework/Formwork Systems
- Bridge falsework
- Multi-floor slab/beam falsework
- Reshore design

Wall Bracing
- Tilt-up wall construction braving
- Temporary building lateral supports
- Basement wall supports
NOTABLE PROJECTS:

SFO Bay Bridge - New Eastern Span Construction & Old Span Demo - Oakland, CA
Prepared excavation shoring systems for new footing placement, rebar cage erection templates and stabilization systems, 150'-tall structural support towers, enclosed scaffold and suspended platform systems, falsework/formwork designs, tower crane foundations, and performed multiple site inspections and other misc design services.

BNSF Mainline Project – Gardner, KS
Prepared various three sided slide rail and sheeting guide shoring submittals in strict accordance with the BNSF RR guidelines, to allow for work on concrete culverts.

I-405 Sepulveda Widening – Los Angeles, CA
Designed various tied-back cantilver, raker-braced and internal braced beam and plate shoring systems to allow for new footing and abutment construction at various bridge widening. Services also included peer review, on-site inspection, and rebar cage column stability designs.

PE LICENSED IN ALL 50 STATES & VARIOUS CANADIAN PROVINCES
CORPORATE OFFICE: 4706 HOEN AVE SANTA ROSA, CA 95405  P: 707.537.8282  F: 707.537.8338