

Robert Smith

Lead/Senior Civil Engineer

CONTACT DETAILS

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PERSONAL STATEMENT

Most recent experiences include structural design for various interior and exterior tenant improvement projects, seismic analysis and retrofit for existing structures, and various equipment anchorage projects for commercial facilities.

WORK EXPERIENCE

Lead/Senior Civil Engineer

Weldlinger Associates - 2009 - 2020

Responsibilities:

- Performed static or dynamic SDOF analysis on steel, reinforced CMU, concrete, and wood structures under ATPP blast loads resulting in more efficient structural material use.
- Calculated concrete, and steel connections in accordance with ACI318 and AISC LRFD design methodologies to meet ATPP criteria and blast load demands.
- Determined quantity-distance siting for explosive processing plants leading to an efficient and safety-oriented siting of facilities.
- Generated project basis of design documents, edited specifications, and prepared reports for project proposals and submittals.
- Assisted architects and contractors in DoD Military Construction siting and blast-resistant design to meet UFC building codes on Antiterrorism/Force Protection (ATPP) projects.
- Made front-end interactions with clients directly on self-managed ATPP projects through in-person meetings and conference calls, gave client presentations, and attended networking expos.
- Participated in construction support including determining solutions to unplanned construction obstacles resulting in a more streamlined process for clients.

Senior Civil Engineer

Delta Corporation - 2010 - 2012

Responsibilities:

- Underground pipe design and coordinations, drainage design and calculations, road design and calculation.
- Drainage design, underground pipe design and calculations.
- Underground coordinator.
- In the office of Regional Committee for Central Planning Duties Advise and assist government and public offices in the region in drafting the annual.
- of the region for planning Participate in identification, appraisal and programming of new projects for the region.
- Front-end engineering design of grading and drainage for this 2000-acre crude refinery project containing process units of modular design.
- Work included determination of civil design criteria and development of preliminary grading and drainage, and demolition design drawings.

SKILLS

Ercalc, MathCAD, MS Word, MS Excel, MS Powerpoint, BlastX, SBEDS, AutoCAD.

LANGUAGES

English (Native)
French (Professional)
Spanish (Professional)

INTERESTS

Climbing
Snowboarding
Cooking
Reading

REFERENCES

Reference - 1 (Company Name)
Reference - 2 (Company Name)