

Phoenix Terry

Senior Civil Engineer, Public Infrastructure

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STRENGTHS

- 🔧 **Constructability judgment**
Caught utility and traffic conflicts before mobilization, giving project teams clearer decisions and smoother field execution.
- ♥ **Contract administration**
Kept submittals, claims, payment reviews, and change records organized, which helped teams resolve issues with confidence.
- 🗣 **Field communication**
During inspections, translated plan conflicts into practical corrective steps that contractors and public partners could act on.
- 📁 **Recovery documentation**
FEMA work required patience with eligibility records, and organized files supported reimbursement and defensible closeout.
- 👥 **Staff mentorship**
Junior engineers sought guidance on CAD review and estimates, and shared review habits improved team consistency.

SKILLS

Public infrastructure
Civil engineering
Roadway rehabilitation
Retaining walls Stormwater
Cost estimating Scheduling
Contract administration
Risk management
Construction inspection Permitting
Procurement
FEMA documentation
CAD plan review
Technical reporting

SUMMARY

Licensed **Professional Civil Engineer** with 9 years and 4 months delivering **public infrastructure** and civil **construction** programs from design through **closeout**. Experience covers roadway rehabilitation, retaining structures, drainage, stormwater, slope stabilization, traffic improvements, erosion control, flood mitigation, and federally reimbursable hazard recovery. Leads consultants, contractors, inspectors, utilities, regulators, and public agency partners through constructability review, permitting, procurement, contract administration, inspections, change management, claims, payment review, and schedule recovery. Applies California codes, transportation standards, surveying concepts, engineering mathematics, CAD plan review, cost estimating, risk management, and quality assurance in office and active construction settings. Clear communication supports technical decisions, public meetings, staff mentoring, and accountable delivery. Brings practical judgment that protects scope, cost, safety, documentation, and regulatory compliance across complex infrastructure assignments.

EXPERIENCE

Senior Civil Engineer, Public Infrastructure

Capital River Public Works 📅 January 2024 - Present 📍 Sacramento, CA

Directs roadway rehabilitation, **retaining wall**, drainage, and slope repair programs from design review through closeout. Leads consultants, contractors, inspectors, utilities, environmental specialists, and permitting agencies while protecting scope, cost, schedule, safety, and public accountability.

- Resolved utility and traffic conflicts through **constructability** reviews before roadway project mobilization.
- Administered **construction contracts** through submittals, **requests for information**, change orders, claims, and payment applications.
- Coordinated permitting agencies and environmental specialists around drainage and slope repair compliance requirements.
- Directed inspection responses using plans, permits, materials documentation, and safety expectations for **corrective action**.
- Mentored junior engineers on CAD review, estimating, risk registers, **technical writing**, and accountability.

Civil Engineer, Transportation and Stormwater

Sierra Municipal Engineering 📅 May 2021 - December 2023 📍 Roseville, CA

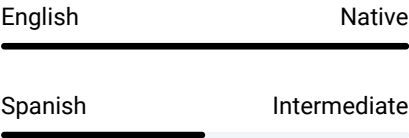
Managed transportation and stormwater assignments involving pavement repair, intersections, culverts, drainage, **erosion control**, **flood mitigation**, environmental review, procurement, and FEMA related recovery documentation. Guided design packages from field evaluation through construction readiness.

- Prepared engineering calculations, quantities, estimates, **specifications**, CAD drawings, schedules, and bid documents.
- Documented site conditions, surveying information, contractor progress, and construction conformance during field inspections.
- Coordinated **environmental review**, utility conflicts, permits, and procurement milestones for construction packages.
- Evaluated substitutions and schedule impacts using contract language, technical evidence, and cost analysis.
- Supported FEMA storm recovery through eligibility, **procurement**, **inspection**, cost, reimbursement, and closeout records.

Project Engineer, Civil Infrastructure

Central Valley Infrastructure Partners 📅 August 2019 - April 2021 📍 Stockton, CA

LANGUAGES



MY CAREER



- Senior Civil Engineer, Public Infrastructure at Capital River Public Works (2.8 Years)
- Civil Engineer, Transportation and Stormwater at Sierra Municipal Engineering (2.6 Years)
- Project Engineer, Civil Infrastructure at Central Valley Infrastructure Partners (1.7 Years)
- Assistant Civil Engineer, Design and Construction at Delta Civil Design Group (2.1 Years)

Delivered design and construction support for roadway, retaining structure, **drainage**, and **traffic** improvement assignments serving public clients. Prepared plans, estimates, specifications, technical memoranda, and field records while coordinating designers, utilities, and agency reviewers.

- Prepared plan sets, maps, quantity calculations, **engineer** estimates, memoranda, and specifications using CAD.
- Analyzed grading, drainage, materials, measurements, and geometric constraints for constructible alternatives.
- Reviewed traffic control concepts using **California Vehicle Code** and traffic control device standards.
- Tracked submittals, **requests for information**, inspections, **schedules**, and pay quantities with supporting records.
- Coordinated designers, field personnel, utilities, and agency reviewers through technical issue resolution.

Assistant Civil Engineer, Design and Construction

Delta Civil Design Group 📅 June 2017 - July 2019 📍 Modesto, CA

Supported licensed engineers with street rehabilitation, drainage upgrades, site improvements, and transportation projects. Produced CAD drawings, maps, quantity takeoffs, permit packages, field documentation, and estimate updates while building capability in codes, contracts, materials, and construction communication.

- Produced CAD **drawings**, details, maps, and quantity takeoffs from surveying data and design **standards**.
- Completed field measurements and translated observed conditions into drawing revisions and technical documentation.
- Checked contractor work against **plans** and specifications during construction observations for issue resolution.
- Prepared estimate updates, meeting records, **correspondence**, and permit packages for project continuity.
- Interpreted **codes**, **contracts**, technical reports, and plans under licensed engineering oversight.

PROJECTS

FEMA Hazard Recovery Program 📅 2023

Organized public infrastructure recovery records for eligibility, procurement, inspection, cost documentation, reimbursement, and closeout. Supported storm and hazard repair objectives through disciplined technical files.

Regional Drainage and Flood Mitigation 📅 2022

Coordinated drainage, culvert, erosion control, and flood mitigation design support from field evaluation through construction readiness, with attention to permits, utilities, estimates, and schedules.

LEADERSHIP & AWARDS

- Mentor, Regional Civil Engineering Early Career Network, 2024 to Present
- Volunteer Project Reviewer, Community Infrastructure Resilience Workshop, 2023 to Present

EDUCATION

Bachelor's Degree in Civil Engineering

California State University, Sacramento 🎓 GPA: 0 📅 2017 📍 Sacramento, CA

Coursework: *Civil engineering design, construction materials, surveying, transportation engineering*

CERTIFICATIONS

- California Professional Civil Engineer 📅 2021
- California Driver's License 📅 2021
- FEMA Independent Study, Public Assistance Program and Eligibility 📅 2023

TECHNICAL SKILLS

- **Civil Design:** Civil engineering, CAD, engineering drafting
- **Transportation Engineering:** Roadway design, traffic engineering, traffic improvements
- **Drainage Systems:** Stormwater, culverts, flood mitigation
- **Structural Applications:** Retaining walls, slope stabilization, stress analysis
- **Surveying:** Topographic surveying, construction surveying, field measurements
- **Construction Management:** Construction management, field inspection, quality assurance
- **Contract Administration:** Change orders, payment applications, claims
- **Project Controls:** Cost estimating, scheduling, risk management
- **Regulatory Compliance:** Permitting, procurement, environmental review
- **Traffic Standards:** California Vehicle Code, Uniform Manual of Traffic Control Devices, traffic control
- **Public Funding:** FEMA Public Assistance, reimbursement, hazard mitigation

PROFESSIONAL AFFILIATIONS

- Regional Civil Engineering Early Career Network, Mentor, 2024 to Present
- Community Infrastructure Resilience Workshop, Volunteer Project Reviewer, 2023 to Present

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST