

Phoenix Terry

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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

January 2024 - Present

Capital River Public Works

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

May 2021 - December 2023

Sierra Municipal Engineering

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

August 2019 - April 2021

Central Valley Infrastructure Partners

Stockton, CA

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

June 2017 - July 2019

Delta Civil Design Group

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

SKILLS

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

PROFESSIONAL AFFILIATIONS

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

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST