

**EUGENE J. RUSSELL, PE NV/CA, M. ASCE, QSD**  
Construction Manager/Project Manager/Resident Engineer

### **Education**

Bachelor of Science, Civil Engineering, University of Notre Dame, South Bend, Indiana  
NDOT Resident Engineer/Construction Management Academy, Reno, Nevada 2009 (40 PDH)  
FHWA-NHI Comprehensive Bridge Inspection of In-Service Bridges Certification, October 2009  
McGeorge School of Law, Special Study, Sacramento, CA 2004-2005

### **Accreditation**

Dale Carnegie Effective Communications & Human Relations 2006-07  
Project Manager Certification, Parsons Brinckerhoff, Inc. 1998-2008

### **Professional Affiliations**

American Society of Civil Engineers (ASCE)  
Construction Institute (CI)  
American Welding Society (AWS)  
Post-Tensioning Institute (PTI)  
American Public Works Association (APWA)

### **Professional Registrations**

Professional Civil Engineer:  
Nevada 20068  
California C 66770  
CASQA: QSD/QSP 22403

### **Former Registrations**

OSHPD: Certified Resident Inspector, (#A010693)  
California State Architect Approved School Inspector  
Structural Reinforced Concrete (#48508)  
Pre-stressed Concrete (#52356)  
Structural Steel/Welding (#49919)  
Structural Masonry (#51554)  
American Concrete Institute (ACI), Level I Testing  
Troxler Nuclear Testing Certification

### **Key Qualifications**

Extensive experience in dispute resolution, design, estimating, supervision and construction inspection of transportation, commercial, governmental, and heavy civil construction with service in Responsible Charge as Resident Engineer, Construction Manager, Contract Administrator, Structures' Representative and Superintendent on public and private projects that include roads, bridges, levees, pipelines, treatment plants, and drainage facilities in Nevada and California for a wide variety of clients. Diverse background includes assignments for numerous engineering consultants and contractors work on various projects in both Nevada and California, and in-depth knowledge of NDOT and Caltrans procedures, specifications and standard plans. Experience in construction oversight of environmental mitigation for wetlands, threatened and endangered species, sensitive species, cultural and historical resources, hazardous materials, wild and scenic rivers, wildlife and fisheries, noise, visual quality, water quality, air quality and inter-agency

coordination of environmental concerns is used daily to coordinate and respond to all Federal, State, County and City agency concerns. Expertise in partnering, transportation contracts, specifications, and plan interpretation have been of great value to the Client. Knowledge and experience in context-sensitive design principles; safety and labor laws and requirements; value engineering proposals; quality control/quality assurance principles; traffic control; materials and construction methods has been used daily for staff briefing and project meeting purposes. Proficiency in computer software programs including Microsoft Word, Outlook, Excel and Microsoft Project allows for expediting reports and clarifications. Acute awareness of the nature of being in Responsible Charge as a Resident Engineer represented adherence to the NDOT and Caltrans Construction Manuals' requirements. My experience, extensive written claim reports and dispute settlement recommendations have been valued by Clients during projects' weekly claim resolutions discussions and post-projects' dispute resolutions team (DRT) negotiations. All disputes were resolved on the project level, or in DRT activities, with no claims necessitating court proceedings.

### Project-Type Experience

Bridges/Highways: RE/PM in responsible charge for over 20 state highway projects with emphasis on bridge interchanges, highway widenings, traffic signals and ancillary equipment placement (\$200M+).

Levees/Canals: Resident Engineer for Sacramento Flood Control Agency North Natomas levee DSM cut-off wall installation and Reclamation District 1000 & 85 emergency levee repair and canal relocations (\$20M+).

Water/Sewer Infrastructure: Construction Manager/Inspector for large-diameter, regional water & sewer transmission pipeline, lift-station and treatment plant projects (\$50M+).

Commercial Development: Construction Engineer for various regional developments (\$400M+).

Buildings: Testing & Materials Manager/Resident Engineer/Inspector for State Highway Architect, Sacramento Housing & Redevelopment Agency, school and hospital building construction (\$50M+).

Disaster Response: FEMA Claims Engineer for Flood Damage cost estimate reports of repair costs to bridge, highway & infrastructure for various state, county & city agencies (\$100M+).

### Detailed Project Experience

#### **Bridges/Highways**

- State Route 70 Plumas Lake Interchange, Yuba County, California: Resident Engineer in Responsible Charge for constructing \$15M "greenfield" interchange with a Cast-in-Place/Post-Tensioned Box Girder, 2-span structure, 24M wide x 1.5M deep x 72M length, to replace the existing at-grade crossing of Plumas-Arboga Road/SR70 and for re-aligning 2 miles of RD784 Canal. Representation to Yuba County as the RE in Caltrans R/W and charge of environmental compliance, materials testing, re-design and contract change order process, RFI response, and claims resolution included responsibility for administering the project in accordance with Caltrans Standard Specifications and Plans. Work included major utility, and communications pipeline installation in highway right-of-way and bridge interchange infrastructure.
- I-80 Reed Avenue Interchange Modification, West Sacramento, California: PM/RE for \$1M Caltrans encroachment permit project in Responsible Charge of monitoring/enforcing compliance with Caltrans Encroachment Permit conditions, providing materials testing and recommending design changes.

- Gateway/Hwy 65 Signalized Intersection Widening, Lincoln, California: Resident Engineer responsible for the encroachment permit \$1M widening of Hwy 65 for access to new Lincoln Post Office that included four new freeway lanes; one new traffic signal intersection; major water, sewer, high-pressure gas and communications pipelines relocation and facilitation all design changes and project acceptance by Caltrans Encroachment Permits.
- Lowes/Hwy 65 Signalized Intersection Widening, Lincoln, California: Resident Engineer responsible for \$1M widening of Hwy 65 for access to new Lowe's Development with one new traffic signal intersection. Responsible Charge for coordinating acceptance of project design changes with City of Lincoln, Developer and Caltrans Encroachment Permits and overseeing major water, sewer, high-pressure gas and fiber optic communications pipelines.
- Markham Ravine Bridge Replacement/Nicolaus Road Improvements, Lincoln, California: PM/RE in Responsible Charge of pre-construction activities of proposal acceptance, contract negotiations, constructability review and utility relocations for \$4M Local Agency project in compliance with Caltrans specifications and standard plans.
- Auburn-Folsom Road South Improvements, Placer County, California: PM/RE in Responsible Charge of pre-construction activities of proposal acceptance, contract negotiations, constructability review and utility relocations for \$8M project in compliance with Caltrans specifications and standard plans.
- Barton Road Bridge Replacement and Roadway Improvements, Placer County, California: PM/RE in Responsible Charge of pre-construction activities of proposal acceptance, contract negotiations, constructability review and utility relocations for \$4M Local Agency project in compliance with Caltrans specifications and standard plans.
- Joiner Parkway Bridge, Lincoln, California: Resident Engineer responsible for \$2M, 150 foot pre-cast girder bridge spanning Auburn Ravine with new road alignment, major utility pipeline water, gas & sewer relocation, bridge re-design, and rehabilitation of existing bridge and road alignment. Various ornamental rail and pedestal facing features completed an attractive gateway to West Lincoln.
- Cache Creek Casino State Hwy 16 Widening/I505 Signalized Off-Ramp Intersection, Brooks, California: Resident engineer on \$5M projects and responsible for widening of Hwy 16, adding 1 mile (2 kilometer) of new highway improvements, new traffic signal intersections and major water, sewer, fiber optic and high-pressure gas pipeline installation and relocation. Duties included responsibility for management of field CM services, review of contractor's schedule and budget, and service as the Caltrans Resident Engineer during construction.
- Placer County Thunder Valley Casino Sunset Bridge, Rocklin, California: Oversight Engineer for \$2.5M Placer County Bridge for recommendation and acceptance of bridge construction for Caltrans Bridge Inspection Program. Audited and reviewed construction methods and practices for P&S compliance, recommended and oversaw record keeping as administrative tool to result in Caltrans-style project records and provided final acceptance review and punchlist.
- Ferrari Road/Highway 193 Signalized Intersection Widening, Lincoln, California: Resident Engineer responsible for \$1M widening of Hwy 193 and adding four new freeway lanes with one new traffic signal intersections. In addition to working as Resident Engineer, managed field CM services, reviewed contractor's schedule and budget, and served as the Caltrans direct contact during construction. Responsibility included major relocation of existing joint utility infrastructure of water, sewer, high-pressure gas and fiber optic communications pipelines.
- Ingram Slough Bridge/Highway 65/Ferrari Ranch Signalized Intersection, Lincoln, California: Resident Engineer responsible for \$2M widening of State Highway 65 to four lanes on both bridge approaches. Roadway drainage facilities were constructed and two new traffic signal intersections were placed for access to a new shopping center complex under construction.

Eugene managed field design changes and acceptance by Caltrans, monitored/enforced project compliance with City of Lincoln and Caltrans plans and specs.

- Pleasant Grove Boulevard/State Route 65 Interchange, Roseville, California: Assistant Resident Engineer/Office engineer for the \$6M project. This two-span prestressed box girder bridge spans Highway 65. The project links Roseville communities to future and existing retail vendors. Served as the liaison between City, designer, contractor, and various government entities. In addition to responsibility for documentation for acceptance by Caltrans, provision of structures inspection, review of plan and falsework analysis, and preparation of grade calculations to be used for construction were required. Major new, unplanned installation of water, sewer and joint trench communications pipelines was coordinated during construction.
- Glenshire Drive Bridge (old US 40), Truckee, California: Acting Resident Engineer on the \$6M project that involved replacing existing 121-meter-long, 6.25-meter-wide open-spandrel arch bridge with a 127-meter-long, three-span, CIP, box girder bridge. Responsibility for facilitating Lahontan acceptance of demolition plan, preparing all project documentation to Caltrans standards for final acceptance of project and coordination of major water, sewer, high-pressure gas, power and fiber optic pipeline facilities' placement through the bridge and highway alignment. Final acceptance involved claims response and dispute resolution.
- Westerly UPRR Undercrossing & Roundabout, Truckee, California: Assistant Resident Engineer on \$2M installation of UPRR undercrossing, drainage, water and sewage pipeline facilities in downtown Truckee.
- Arden Garden Connector Project, Sacramento, California: Utility Coordinator on this \$14M one-mile connector involving a 1200-foot long bridge over the East Natomas canal and the Union Pacific Railroad, four-lane roadway on raised and widened levees, MSE walls, utilities relocation, new high-pressure gas line installation and signalized intersections along residential and commercial developments. Provided inspection for large-diameter water and sewer pipeline installation in right-of-way.
- Measure C, Route 168 Highway Program, Fresno, California: Office Engineer on the \$20M freeway project involving a new six-lane, depressed freeway construction project that included several overcrossings and interchanges and major water, sewer, gas and fiber optic pipeline installations. Provided materials testing scheduling, prepared contract change orders, monthly progress payment estimates, correspondence, and maintenance of project records.
- Truxel Road Interchange, Sacramento, California: Assistant Resident Engineer/Office Engineer on the \$10M project. The project involved construction of a partial cloverleaf interchange on I-80 at Truxel Road, which included existing bridge demolition, a new 262-foot-long, (80-meter-long) two span, 126-foot-wide (38-meter-wide), cast-in-place, post-tensioned concrete box girder bridge, retaining walls, loop ramps, and signalized intersections. This project was administered using the Caltrans project records filing system. Eugene provided all documentation to Caltrans, coordinated water and sewer installations with City personnel and acted as Caltrans liaison. Key element was the relocation of 4 miles of existing Department of Water Resources/Reclamation District canals and surface water conveyance systems through coordination with RD1000. Claims were resolved on a weekly basis.
- Truxel Road Extension to San Juan, Sacramento, California: Resident Inspector in responsible charge of installing new traffic signals; sewer, water, utility pipeline relocations; and new roadway with City surveys, inspectors, utility personnel, SMUD, PG&E gas, Pac Bell and fiber companies. Held neighborhood meetings to discuss impact of project to community.
- Caltrans, Highway 101 Bypass Cloverdale, California: Field Engineer/Acting Resident Engineer for Caltrans District 4 bridge and roadway work on this \$50M project. As a consultant to Caltrans, designed, negotiated and processed approximately 375 contract change orders (\$8M value); inspected contractor's work; sampled materials and scheduled lab tests; responded to

survey staking requests; composed punchlist items; coordinated right-of-way and public relations activities; reviewed submittals, pay requests, and progress payments; and assisted in resolution of claims/disputes. Enforced the Caltrans standard specifications, standard plans, special provisions, and contract plans and change orders as contract documents. Provided oversight of new railroad bridge, crossing and maintenance building construction. Provided inspection for new and relocated water, sewer, gas and fiber optic facilities pipelines.

- Nevada State Highway Department (NDOT), Tonopah, Nevada: Survey duties included highway surveying for line, grade, location, and control during project contracts; preparing as-built drawings; and transporting documents and materials for testing to Carson City, Nevada.

## Facilities

### Levees/Canals/Water/Sewer/Buildings

- Sacramento Area Flood Control Agency(SAFCA), Sacramento, California: Resident Engineer in Responsible Charge for \$10M 1.5 mile North Natomas Levee Repair with use of Deep Soil Mixing (DSM) and slurry wall techniques, responsible for monitoring removal of top 10' of levee, placement of cut-off walls approximately 80' deep and replacement of levee embankment to satisfaction of various agencies including Corps of Engineers and RD1000 during 24/7 work shifts. Responsibilities included coordination of all submittal review, design changes and quality assurance activities and for recommending dispute resolution solutions for acceptance by agencies.
- Reclamation District 1000 (RD1000) Emergency Levee Repair, Sacramento, California: Resident Engineer in Responsible Charge for \$2M, RM75.1 emergency repair of Sacramento River east levee breach/embankment failure by deep excavation and shoring to remove anomalies causing river bank breach. Project activities were co-ordinated with various agencies including SAFCA and Corps of Engineers.
- Regional Sewer Pipeline, Bickford Ranch, Highway 193, Lincoln, California: Inter-agency representative in Responsible Charge for \$20M, 5 mile 48" RCP pipeline in Caltrans and Lincoln R/W responsible for submittal review/ acceptance, design changes, utility relocations, public relations, safety, traffic control monitoring, inspection and materials testing and record keeping for acceptance by all agencies involved.
- Placer County Water Agency (PCWA), Butler Road Water Line, Placer County, California: Inspection Manager for \$2M 3 mile 12" DIP water line for Bickford Ranch water supply in Responsible Charge of inspection, materials testing, submittal review/acceptance and preparing of project records.
- Bickford Ranch Specific Plan, Lincoln, California: Construction Manager and Placer County representative on multi-million dollar area-wide improvement for development of 2000 acre area bordered by Hwy 193, Sierra College Blvd. and Union Pacific Railroad. Installed new underground facilities, utility joint trenches, storm drain, traffic signal intersection, on and off-site regional water and sewer facilities and construct new roadway alignments. Monitored federal and state permit compliance processes for wetland preservation/mitigation, tree protection, tree removal and mitigation, water quality management, and erosion control construction and monitoring. Coordinated surveying and testing lab services for developer and Placer County. Claims resolution resolved via State Water Resources, Placer County Supervisors hearings.
- Phoenix Park Sacramento Housing and Redevelopment Agency, Sacramento, California: Construction Manager for \$20M rehabilitation of Phase One 50 unit complex. Coordinated City of Sacramento building inspection, special inspection, Phoenix Park management team/contractor with attention to value engineering aspects of budget and clarification of plans and specifications during construction. Responsible for major relocation and testing of water, sewer, high-pressure gas and fiber optic pipelines. Air quality control of abatement stage monitored for compliance with local regulations.

- Sycamore Ranch, Community Facilities Development, Phase II, Woodland, California: Resident Engineer on \$10M multiple stage project involving staged traffic handling plans and extensive public infrastructure improvement including water, sewer, storm drainage facilities, traffic signalization, landscaping and street widening along major arterial and collector streets requiring coordination with private developers, Caltrans, City and Yolo County personnel and CHP. Key elements include AC overlay, reconstruction and widening of city streets and roadways and 5 new traffic signal intersections. Project elements included multiple utility relocations and new utility installations requiring utility coordination with Pacific Bell, Pacific, Gas & Electric (PG&E), Cable TV, and various fiber optic companies for overhead relocation into joint trench facilities and responsible for verification of inspection & testing of all pipelines. All disputes resolved on a weekly basis with post-project claim reports, recommendations to Owner and meetings with Attorneys, Contractor and Dispute Resolution Team with my supervision.
- Federal Emergency Management Agency (FEMA), Technical Assistance Contract, Northern California: Civil Engineer supporting Parsons Brinckerhoff's (PB) disaster relief efforts for flood damages caused by heavy rains in January and March 1995. Work involved field inspection of roadways, bridges and infrastructure elements including water, sewer, high-pressure gas and fiber optic pipelines for preparation of summary reports; and included inspection of Bureau of Reclamation levees and aqueducts in Stanislaus and Sacramento Counties.
- Caltrans, Structural and Architectural Unit and Maintenance Building Inspection, Sacramento and Santa Rosa, California: Structures Representative on these highway and railroad maintenance facility projects. Eugene's responsibilities included facility inspection and recommendations for changes/acceptance and dispute resolutions for projects in Sacramento and Santa Rosa.
- Roseville Sewer Lift Station, Placer County, California: Resident Engineer, \$2M new infrastructure for Highland Reserve and Del Webb Sun City development area for connection to existing sewer lift stations and to Roseville Regional Sewage Treatment Plant. Responsible for submittal review and coordination of design team services during construction and placement of civil, mechanical and electrical equipment with Roseville Utility Division.
- Highland Reserve, North Central Specific Plan, Roseville, California: Lead Inspector for \$25M new infrastructure for area bordered by Hwy 65, Washington Blvd. and Harding Blvd. Duties included: Install/inspect new underground facilities; install/inspect utility joint trenches; install/inspect traffic signal intersections; install/inspect major water, sewer, storm drain, gas pipeline installation; and construct new roadway alignments to include Pleasant Grove Blvd., Roseville Parkway, Pioneer and Gibson; Monitor road construction, concrete curb and gutter and asphalt concrete paving; Coordinate surveying and testing lab services for developer and City of Roseville; Build future site of Galleria Mall.
- Youngdahl & Associates Geotechnical Engineering: Materials Testing Lab Manager in Responsible Charge of contracts and testing for various jurisdictions in Northern California. Responsibility included reviewing test results for acceptance and compliance with California Title 24, ASTM, ICBO, AWS, Caltrans and various other specs for various highway, commercial, industrial and pipeline facility installations.
- Department of Water Resources, North Bay Aqueduct: Quality Assurance for 3 separate reaches of 120" (3 meter) RCP water pipe for placement of pipe, concrete junction structures and reservoir. Three year project included creek-bed encasement crossings, I-80 encasement crossing, placement of cathodic protection monitoring stations, trench compaction testing and monitoring of OSHA safety compliance during construction. Emphasis was placed on observation and compliance with environmentally sensitive area requirements throughout slough and open pasture areas.

- Clark County, Nevada: Quality Assurance for 86" (2 meter) RCP sewer pipe placement/structures for Las Vegas Sewage Treatment Plant and sewage lift stations for Laughlin area. Project elements included monitoring of pipe trench bedding under high water table conditions, placement of structures under dewatering conditions, observation of irrigation system and canal crossing encasements, monitoring isolation of live sewer facilities and ensuring compliance with Occupational Safety Hazard (OSHA) safety requirements during construction.
- Granite, Teichert, Ball/Ball/Brosamer, Benco, EJ Belding & Associates, California/Nevada: Union Carpenter Foreman on numerous projects including structures, headwalls, drainage and major sewer, water and gas pipeline installations; the projects covered the area from San Francisco through Sacramento to Reno on I-80 and county highways, and from Susanville through Reno to Las Vegas. Work included construction of major sewage lift stations, dams, bridges (U.S. Forest Service), water and sewer treatment plants and pipelines. Responsible for quality assurance/control, construction supervision, estimating and bidding for major infrastructure projects, with an emphasis on Caltrans highway, bridge and pipeline work. Conducted daily meetings with Caltrans field inspectors and weekly meetings with Caltrans resident engineers and construction project managers; coordinated the activities of the various trades involved with the project; prepared daily and weekly progress reports and final punch lists.
- Landis & Associates: Junior Civil/Sanitary Engineer involved in design of Placer County highway structures, water/sewer pipelines and treatment plants, site drainage, curb and gutter profile layouts; prepared as-built drawings, and inspected and supervised county contractors.
- Los Angeles County Sanitation Department: Survey duties included sewage treatment plant area quantification and pipeline surveying for line, grade, location, and control during project contracts; preparing as-built drawings, and keeping daily reports of contractor's activities.
- City of Philadelphia Public Works, Pennsylvania: Air Pollution Control specialist for conducting tests and writing reports regarding air quality in Philadelphia and outer areas.

Electrician/Union Apprentice, Philadelphia, Pennsylvania: responsible for completion of commercial electrical installations in greater Philadelphia area.

### **Strength**

Self-motivation with a "can-do" attitude, ability to organize and produce results under pressure, coupled with willingness to work as a responsible and reliable team member, with flexibility to handle change, have all provided "hands-on" success in a wide range of professional endeavors with proven client satisfaction. Nevada Resident: 1952-1972, 2008-Current

### **References**

William A. (Bill) Maddox: Contact: 775.882.1004

Nevada Senior Judge, Retired Storey County D.A., Retired District Court Judge :

Mike Glock, P.E.: Contact: 775.221.1545

Diversified Construction Services, Inc. (DCS) Principal, Retired NDOT District III Engineer