



Proposal to Provide “On-Call” Plan Checking Services

RFP No. 20-082



Submitted: March 2, 2020
City of Rialto

March 2, 2020

City of Rialto Engineering Division, Public Works Department
335 W. Rialto Avenue
Rialto, California, 92376
Attn: Savat Khamphou, Public Works Director/Civil Engineer

RE: Request for On-Call Plan Checking Services - RFP No. 20-082

Dear Mr. Khamphou,

Engineering Resources of Southern California (ERSC) is submitting qualifications to the City of Rialto as a qualified, experienced consultant to provide On-Call Plan Checking Services.

ERSC was founded in 1996 to provide engineering services to the public sector. The firm has delivered a proven record in Plan Checking to numerous Cities throughout Southern California. The key staff assigned to your project have served your City as well as clients with similar projects Plan Checking assignments. Being local to the Inland Empire, ERSC maintains valued working relationships and valuable experience working within various design criteria, and within the related various departments within the region's diverse range of public agencies.

Project Understanding

The City of Rialto is preparing to continue its growth into one of San Bernardino County's best communities. As Rialto continues to develop, the staff of the City are assembling a qualified team to assist in facilitating that growth while adhering to all applicable regulations and protecting the interests of the City as well as its residents and stakeholders. ERSC's Plan Checking capabilities fit well with the goals of the City. In addition, we currently provide similar On-Call Services for many Cities and Agencies within the vicinity of Rialto:

- City of Colton - On-Call Plan Checking Services
- West Valley Water District - On-Call Engineering Services
- City of Highland - On-Call Plan Checking, Inspection, and Engineering Services
- City of Chino – Plan Check and City Surveyor Services
- City of Banning – Plan Check and Inspection Services
- City of Beaumont – Plan Check and Inspection Services
- City of Palm Springs – Plan Check, Project Management, and Design Services
- City of Lake Elsinore – Plan Check Services

Principal In Charge

John M. Brudin, PE will serve as the City of Rialto's principal in charge during the term of the project. Mr. Brudin has provided oversight of plan checking and construction inspection projects throughout numerous municipalities for over 20 years. He is well versed in review of all types of civil improvement plans as they relate to development, capital improvements, and their related supporting documents including geotechnical reports, hydrology studies, and water quality management plans. Mr. Brudin has also participated in construction administration activities during hundreds of residential and capital improvement projects throughout municipalities and special districts throughout the region.

Project Manager

Steven Latino, PE will serve as project manager during the course of any potential project with the City of Rialto. Steve has guided ERSC's design team for numerous capital improvement projects for local municipalities. Over the past 15 years of working in the Civil Engineering field, Mr. Latino has spent significant time as a public employee with the Cities of Ontario and Hemet. He will work in the best interest of the City given his direct knowledge of the Public Sector and pass down this knowledge to the remainder of ERSC's team.

Corporate Office:
1861 W. Redlands Blvd
Redlands, CA 92373
Ph: 909/890-1255, info@erscinc.com

Responsible Office for Project:
1861 W. Redlands Blvd.
Redlands, CA 92373
Ph: 909/890-1255, info@erscinc.com

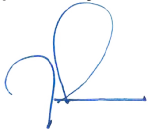
Contact During Evaluation Period:
Mr. Steven Latino, PE, TE, MBA
Director of Engineering
Ph: 909/890-1255 x108
email: slatino@erscinc.com

ERSC's Stand-Out Capabilities and Knowledge

- Experienced - ERSC's familiarity with municipal plan checking processes, practices, and requirements.
- Responsive - ERSC can provide immediate pickup and responsiveness through our project-specific plan checking coordinators and couriers. Often, we can provide same day pickup within the hour.
- Available - ERSC Inspectors are available for assignment within 24 hours of request.
- Advanced - ERSC's experience in electronic review, transmittal, and receipt of plan check projects.
- Nearby - ERSC's corporate office is located just 20 Minutes away in the City of Redlands.

The ERSC team provides to you timely, responsive resolutions to issues of local significance while protecting the City's goals. Our team members have worked together on numerous projects ranging in scope and complexity giving them the ability to respond to your needs in a timely and effective manner. We look forward to the opportunity to work with the City of Rialto and thank you for the opportunity to submit a proposal.

Respectfully submitted,



John M. Brudin, PE
President - Principal In Charge



Steven Latino, PE, TE, MBA
Director of Engineering – Project Manager

Table of Contents

Project Understanding 1

Scope of Work 4

Staff Qualifications 9

Firm Qualifications 31

Appendix A - Forms



Project Understanding

Project Understanding

Background and Project Summary

ERSC understands the City is seeking qualified plan check engineers to review Rialto's potential private and public development projects. ERSC is confident we are able to provide service that exceeds expectations and provides cost-effective solutions to fulfill any potential assignment.

Special Considerations

Specific to the City of Rialto, ERSC has found that there are some special circumstances that may regularly impact plan checking of projects:

Standards and Codes: Private and public improvement plans submitted to ERSC of plan check will be evaluated on the basis of numerous standards and codes. Documents guiding the plan check process include the City of Rialto Standard Drawings dated 2015 and the Addendum, the Standard Specifications for Public Works Construction (Greenbook), the City Rialto Municipal Code, County of San Bernardino Department of Public Works and Flood Control Standards and the California Department of Transportation Standard Plan and Standard Specifications. It is important to understand that certain section of the City's Standard Drawings rely on the standard drawing associated with the "Greenbook."

Specific Plans: Development in numerous areas of the City is driven by the requirements of various specific plans. Specific Plans governing development in the City of Rialto include:

- **Agua Mansa Industrial Corridor; July 1986:** The Agua Mansa Industrial Corridor Specific Plan is intended to result in a master economic development plan to improve intergovernmental coordination and to facilitate the logical, planned development of the study area.
- **Foothill Boulevard Specific Plan; May 2010:** The Foothill Boulevard Specific Plan creates positive change in the Plan area through the implementation of Development Standards the result in quality new development which will encourage revitalization of existing development.
- **Gateway Specific Plan:** The intent of the Gateway Specific plan is to revitalize and upgrade the Gateway Area and, in doing so, create an

entryway to the City which will be a source of pride for the entire community.

- **Pepper Avenue Specific Plan; November 2016:** The Pepper Avenue Specific Plan provides detailed descriptions of proposed land uses, infrastructure and implementation requirements for the Specific Plan project area.
- **The Renaissance Specific Plan; Amended November 2016:** The Renaissance Specific Plan works in conjunction with the City of Rialto Municipal Code to provide detailed development standards, design guidelines and development parameters unique to the Renaissance project area.
- **Rialto Central Area Specific Plan:** The Central Rialto Area Specific Plan is designed to enhance the design quality and economic vitality of the study area.
- **Lytle Creek Ranch Specific Plan; July 2012:** The Lytle Creek Ranch Specific Plan serves as an overall framework to conscientiously guide the development of Lytle Creek Ranch project site into a high-quality, master-planned community.

Existing development within the Specific Plans areas varies by location and, in some cases, implementation of the specific plan requirements may be driven by redevelopment. ERSC is currently involved in the implementation of large specific plans in the Cities of Banning, Chino and Palm Springs.

Correspondence with Other Departments:

ERSC has found coordination with other City Departments necessary in recent assignments. Specific to the City of Rialto will be the need to coordinate certain water and sewer related items with the City's Water and Wastewater Utility. In the recent past, ERSC has completed Capitol Improvement Projects for the City's Public Works Department, Water and Wastewater Utility and Veolia Water giving ERSC's team members an advantage when coordination of design issues is necessary or required. Further, ERSC's team will coordinate zoning and other Municipal Code issues with the Planning and Building Safety Divisions as necessary to ensure a complete and thorough plan check process.

West Valley Water District: Portions of the West

Project Understanding

Valley Water District (VWWD) overlay the corporate limits of the corporate limits of the City of Rialto. These areas are generally located north of the 210 freeway and south of Interstate 10. The VWWD has been a client of ERSC's for over twenty years. During this time, ERSC has provided planning and designs services related the District's water system. Similar to our exposure to various City Divisions, ERSC's design experience and knowledge of the VWWD's staff will be advantageous and facilitate the delivery of a complete project.

Rialto Water Services: Rialto Water Services provides quality drinking and wastewater services to portions of the City and surrounding areas. While the system is owned by the utility the system is operated by Veolia North America. ERSC has noted this and will work within the independent requirements of the water system and its operator. ERSC currently works closely with Veolia in the City of Palm Springs where Veolia operates the City's wastewater system and treatment plant.

Railroad Infrastructure: Active freight rail transporters and lines exist within the City. Special care must be observed with work around rail infrastructure to avoid any service interruption. Special permitting is often required, and railroads often have their own plan checking process, which can prove costly when an inexperienced consultant attempts to manage the process. ERSC has knowledgeable staff that has navigated rail permitting processes during past projects within the region.

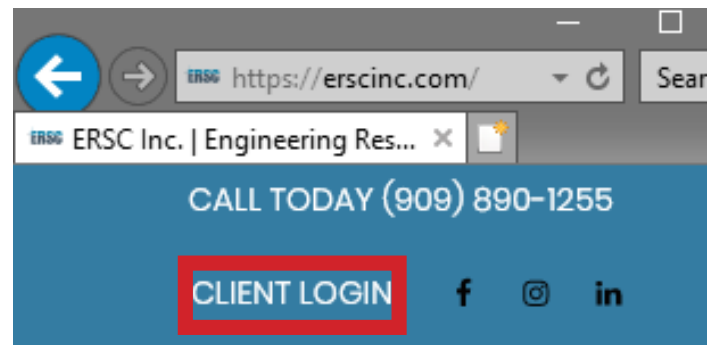
Transportation Corridors: Interstate 10, State Route 210 and Route 66 transect the City in an east-west direction. Permitting by Caltrans is required for work performed in the and adjacent to the State's right-of-way. ERSC has navigated Caltrans' process in numerous projects and will utilize this experience during the review of projects for the City of Rialto.

Electronic Plan Checking: ERSC is currently providing electronic plan checking in a number of Cities in the region. This is accomplished through the use of our FTP site and PDF format documents. Each project for plan check is scanned and saved to ERSC networks just as with hand delivery. However, instead of being routed back to the City, ERSC provides

via email a web link to download the project's plan check documents. In the same correspondence, ERSC also provides the engineer a link to upload revised documents for re-submittal. The FTP program is entirely web based so no additional software is needed.

Through this system, ERSC is able to provide individual user access to the City and Design Engineers to access redlined plans, plan check documents and ERSC's tracking information related to plan checking. This system is in used with many of ERSC's plan check assignments and is successful in reducing time required in completing a review, eliminating costs associated with hand delivery, and establishes transparency in the process for all parties.

ERSC has established a detailed instruction set for use by the City and Design Engineers that outlines electronic system access, login, setup, retrieval, submittal, and other important areas. You can view the login landing page by visiting www.erscinc.com and clicking on "CLIENT LOGIN" at the top right corner of the page:



Coordination: If electronic plan checking is not available or desirable, ERSC recognizes that time is of the essence during the plan check process. Therefore, ERSC is typically available to pick up plan check assignments from City offices same day.

Project Understanding

ERSC in Rialto: ERSC has served the City and its water system operator, Veolia, in numerous different assignments. See the below table for a short summary of ERSC's past experience in the City:

Rialto and Veolia Projects by ERSC
Project Description
Fire Station No. 205
Olive Avenue Trunk Sewer Project No. 542
Well No. 2 Equipping
WWTP Sulfur Gas Removal
Urban Water Management Plan Update
Small Diameter Water Main Replacement Project
Dead End Water Mains
Riverside Avenue - Acceleration Lanes
Engineer's Report for Recycled Water
Cactus Avenue Widening
Reclaimed Water Tie In
Rialto School District Audit and Rate Analysis
New Bunker Hill Basin Well Sites
Urban Water Management Plan (74009016)
Water Financial Plan and Rate Study
Water Master Plan Update
Evaluation of Year 2003 Drought & Ground Water Contamination
City Engineering Services for Water & Sewer Division

Proposal Requirements: The City's RFP posed several questions to ERSC as a qualified consultant. In an effort to completely address all aspects to the City's solicitation, we have compiled answers to the specific questions in a concise manner below:

1. *What change would be proposed to the City's standard performance schedule?*
2. *What change would be proposed to the City's fast track performance schedule?*

ERSC would not propose any changes to the standard or fast track performance schedule as established in the RFP. ERSC works within an identical system and performance schedules in the City of Palm Springs with successful results.

3. *If your firm has been retained in the recent past to prepare plans, studies or maps for private development projects located in the City of Rialto, what are the firm's intentions if awarded the on-call plan check services agreement?*

By matter of corporate decision, ERSC does not provide engineering services to private developers. ERSC focuses solely on the public sector. We do not anticipate any conflicts of interest.



Scope of Work

Scope of Work

Technical Approach and Work Plan Understanding

As your plan check consultant, ERSC is ready and able to provide to you an objective, independent, and impartial review of project submittals. This typically includes comprehensive review of CIP and development projects as well as their associated improvement plans and studies. The review period of any project within the City is reviewed against engineering design theory, City/Applicable Design Standards, Ordinances, Conditions, and other requirements as applicable. ERSC offers flexibility in our approach to match the needs of City of Rialto.

Approach

ERSC has become well versed in the many special nuances that must be observed by anyone processing plans and studies for approval with ERSC's plan check clients. Documents such as the State Subdivision Map Act, Standard Specifications for Public Works Construction, Americans with Disabilities Act requirements, and the California Building Code are applicable. Other facets of a particular project, such as water quality or traffic improvements, are governed by the Construction General Permit, MS4 Permit, the WQMP guidance document, California Best Management Practices Handbook for storm water BMPs, Manual on Uniform Traffic Control Devices, the State of California Highway Design Manual, Caltrans standard specifications & standard drawings, San Bernardino County Standard Plans and Specifications, San Bernardino County Public Works Hydrology Manual, SWQCB General Permits, and the United States Army Corps of Engineers Permit requirements are applied respectively and where applicable.

Local guidance documents such as the City Grading Notes for Improvement Plans, City Encroachment Permit Application Package, City Municipal Code, City General Plan, and City Specific Plan Elements are also applied when appropriate.

ERSC staff understands the importance of ensuring that all Conditions of Approval are incorporated into the design of the project to confirm how the Developer or Engineer have complied with the requirements of the City's Planning Commission and the City Council

to mitigate the impacts of the project. This requires a complete and thorough review of Conditions of Approval imposed by the Planning, Fire, Public Works, and Engineering Departments.

Process Applicable to all Plans/ Subdivision Maps/Studies

- a) Review initial submittal package for completeness. General items include title report, tentative map and conditions of approval; grading plans may require a geotechnical report and hydrology study; storm drain plans require hydraulic calculations; sewer and water plans may require support calculations; final maps require supporting record maps, recorded grant deeds, easements, and closure calculations.
- b) Research and review files for past projects near or adjacent to current project. Verify ownership. View site aerials and photos with Google Earth or GIS and review conditions onsite and adjacent improvements. Prepare notes. Initiate review of plans and supporting documents. Verify drawing content per City guidelines including title block, file number, RCE signature block, benchmark, and proper drafting technique. Verify compliance with conditions of approval. Verify WQMP template.
- c) Verify general notes and content, construction notes, quantities. Include project title, list utility companies with contact information, vicinity and index map, legal description, APN, site ownership, and address. Verify references to standard drawings and details in construction notes.
- d) Compliance with applicable provisions of the City's Standards and local Civil Engineering industry design standards and conformance to all local ordinances, policies and procedures.
- e) Compliance with applicable Specific Plans and Community Plan design requirements.
- f) Review of engineering design principals and requirements, which includes plan check of cross section and profiles, right-of-way lines, construction limits, and center line control.
- g) Review of special studies including, but not limited to, drainage, water quality, geotechnical, structural (including but not limited to structural analysis of bridge structures) and traffic studies. The studies will be checked to assure they are

Scope of Work

conceptually sound and meet City, County and State Standards.

h) Review of format, which includes plan check of general notes, construction notes, drawing and utility legends, benchmark, basis of bearing, construction quantities, vicinity map, location map, standard sheet and title block, north arrow etc.

i) Recommendation of accurate construction quantities and engineering's cost estimate for bonding purposes or Landscape Maintenance District formation.

j) Conformance to City's preferred format and layout.

Process for individual Improvement Plan Checking and Special Study Review

Plan check for civil engineering design plans which may include, but is not limited to: street, sewer, water, recycled water, storm drain, grading, erosion control, signing and striping, street lighting, traffic signal and all related engineering studies, including hydrology and hydraulics, WQMP, soils, water & sewer studies and structural analyses. Plan, study, and calculation review services will include, but not be limited to, the following:

Grading Plans – Verify conformance with City guidelines and geotechnical report; show boundary information, easements, and adjacent lot numbers; show street dimensions, existing utilities, sewer lateral and water meter; review and verify perimeter conditions; cross reference with street and drainage plans and final map; verify compliance with California Building Code for grading and accessibility; verify minimum slope requirements and drainage control at top of slope; verify slopes, top of grate and invert elevations on drains; verify retention basin and BMP's, show building locations/setbacks; show critical elevations, i.e. high points, thresholds, verify location of perimeter walls and retaining walls; show top of wall and finished surface at critical points. For commercial grading verify parking design per City standards; verify the accessible path of travel, parking, and signage; verify driveway/lane widths, fire access, and structural section. For all grading plans, verify conformance with FEMA requirements.

Street Plans and Alignment Review – Verify design speed, geometrics, and cross section; show typical section with cross fall and dimensions; verify minimum/maximum street grades and cul-de-sac design; verify structural section (AC/CMB); verify bearings, curve data (centerline and curb) and stationing; show stations/elevations at intersections, EC/BC and ECR/BCR; verify "join" elevations extend topography; show saw cut line and feathered paving; provide supplemental cross sections for widening; show driveway approaches and cross gutters; show drainage devices, easements, and lot lines/numbers. In the profile, show existing/proposed profile at centerline, curb left & right; show stations at begin/end construction, intersection, EC/BC and even stations; show slope, elevations at critical points and grade breaks; show the location, length, and PI for vertical curves; show projection and length of curb returns/verify design; profile "grade to drain" and show elevations.

Storm Drain Plans - Verify size and design flow per City's master plan, if applicable; design per Flood Control standards; verify alignment, geometrics, and stationing; show existing utilities (OH/UG); show catch basins, manholes/junction structures and inlet/outlet structures with details when required; show, obtain, and/or verify drainage easements; show invert elevations at inlet/outlet, structures, and grade breaks; verify design flow and street capacity with hydrology study; show HGL, flow rate, and velocity for main line and lateral; coordinate with hydraulic calculations; verify coordination with regulatory agencies as required. Storm drain plans will be checked against hydrology and hydraulic calculations to verify their design accuracy as required by the City Standards and coordinated with the City's Storm Drain Mater Plan for the design of mater planned lines.

Water Plans - Verify size per City's master plan; verify minimum velocity and slope requirements; verify pipe material and class; verify meter, restraint and AR/AV calculations; verify compliance with CDPH separation requirements; verify alignment and stationing; show existing utilities (OH/UG); verify minimum cover and maximum & valve spacing; verify valve placement; show stations and elevations at cleanouts, valves, fittings, and fire hydrants; verify cross-connection requirements; show easements.

Scope of Work

Water and Recycled Water Plans shall be coordinated with the City's Water and Recycled Water Master Plan for design of master planned lines.

Sewer Plans - Verify size per City's master plan; verify minimum velocity and slope requirements; verify minimum lateral slopes; verify compliance with CDPH separation requirements; verify alignment and stationing; show existing utilities (OH/UG); verify minimum cover and maximum manhole spacing; show stations and elevations at manholes, cleanouts and laterals; show easements. Sewer plans shall be coordinated with the City's Sewer Master Plan for design of master plan lines.

Sewer Study – Review City's sewer master plan; verify tributary area; verify existing pipe size and existing flow; determine proposed pipe size; verify sewer loading and peaking factors; determine/verify EDU's, average daily flow; peak hour dry weather flow, peak hour wet weather flow; review pipe size calculations; verify d/D ratio and minimum velocity requirements; verify downstream pipe capacity.

Landscape and Irrigation Plans – Verify compliance with City guidelines and ordinances; review/verify existing water system pressure and flow data; review meter size and calculations and location; verify cross-connection protection; verify location of controller, rain sensor and service pedestal; review pipe sizes and supporting calculations; review systems layout including head and emitter location; review location, size and configuration of anti-siphon valves and gate valves; review soils tests and method of soil preparation; review and confirm plant palette and plant spacing; review and confirm ground cover type and spacing; review and confirm street trees, spacing and tree grate location; confirm shrub and tree planting methods; verify sight distance requirements; confirm proper use of edge treatments, root barriers and rock mulch. For Landscape Maintenance District plans verify compliance with the Guidelines and Specifications for Landscape Development, Landscape Architecture Development Plan Requirements and Irrigation, Planting and Maintenance Requirements.

Tentative, Final Maps, and Survey - Check to assure compliance with applicable provisions of the

State Subdivision Map Act, Land Surveyor's Act, City Municipal Code, Conditions of Approval and other City requirements, and all other applicable state statutes and local ordinances; Review of map sheets for centerline control, lot closure calculations, mathematical accuracy, surveyor notes and symbols, monumentation per City Standards, & survey procedures; Review of boundary retracement procedures & title reports; Review of format statements and certificates; Monitor of coordination response to Civil Engineers / Land Surveyors; Conformance to City's preferred format and layout; Verify conformance to City's Subdivision Map Review Checklist.

Title Reports - Review title report to confirm that the legal description, ownership, vesting, trustees and beneficiaries are correctly shown; Review title insurance exceptions to confirm that rights of way and easements are correctly listed and plotted; Verify that applicable rights of way, easements and mineral rights are correctly listed as signature omissions; Verify that subdivider has requested non-interference letters from public entities and public utility companies.

Soils Reports and Geotechnical Reports - Review and comment on private project Geotechnical and Geology Reports including but not limited to items such as soil stability, soil composition, liquefaction, compaction, foundations, etc.; Development of Geotechnical and Geology Reports for limited special public projects, as well as peer review of geotechnical and geology reports; Prepare review comments and conditions of approval of soils reports in a written format that is acceptable to the City; Review responses to review comments provided by the developer's soils engineer; Work with developer's soils engineer to resolve issues generated by review comments; Attend meetings with the City, developers, builders, engineers, and consultants in a timely manner to resolve issues generated during the report review process or during construction; Review soils reports submitted by the developer's soils engineer for proposed changes during grading; Provide technical support to the City for geotechnical engineering and geologic related issues on an as-needed basis; Provide grading inspection services on an as-needed basis to ensure compliance with City approved plans and standards.

Scope of Work

Legal Descriptions and Easement

Documentation – Review title report, Schedule B documents and vesting deed; verify compliance with City application requirements; reviewing legal description for accuracy and proper acknowledgment of record and easement documents; review and verify closure calculations, review plat for proper identification of R/W, lot lines, easements and location of existing structures and utilities. For easement or R/W vacations, coordinate with local utility companies.

Hydrology and Hydraulics Calculations –

Verify compliance with Flood Control methods and City requirements; verify design criteria; review and verify critical design values; review and verify model input/output and content of hydrology map; and verify narrative content. For hydraulic calculations, verify mainline, lateral and catch basin design flow, review and verify model input/output; verify methods of analysis; review design methods of catch basins, hydraulic structures and outlet protection; review maximum velocity, junction losses, freeboard and outlet conditions; and verify hydraulic data on storm drain plans.

Water Quality Management Plans - Verify storm water management requirements applicable to the project, source control/site design, pollutant controls and hydromodification management; review performance requirements for source control and site design BMP's, storm water pollutant control BMP's and hydromodification management BMP's. For a Standard WQMP verify project information and ownership, construction storm water BMP's, post construction source control BMP's and post construction site design BMP's. For Priority Development Projects, verify onsite pollutant control BMP's or combination BMP's, BMP selection process and BMP sizing necessary to meet storm water pollutant control standards.

Storm Water Pollution Prevention Plans

- Verify proper format and content; verify QSD certification and Legally responsible person, verify SWPPP requirements and content of Notice of Intent; review and verify project information, risk level determination and non-storm water discharges; review and evaluate best management practices and

BMP inspection & maintenance requirements; review training requirements and responsible parties; review & evaluate monitoring and reporting requirements, sampling, analysis, and QA/QC requirements; review references documents.

Erosion and Sediment Control Plans -

Verify plan adheres to City requirements; Verify WDID Number; Verify perimeter protection; Verify Inlet protection; Check BMPs with CASQA recommendations; Verify retention basin and BMPs, show building locations/setbacks perimeter walls and retaining walls; Verify stabilized construction entrance; Verify equipment staging areas; Verify materials storage areas; Ensure offsite inlet protection where applicable.

Traffic Scoping Agreement – Verify project location and scope; review project scenarios; verify/review study intersections and roadway segments; review traffic forecasting for existing conditions, future growth, ambient growth and related projects; review/verify future changes to the transportation network; verify methodology; and, verify trip generation and distribution.

Traffic Impact Analysis – Confirm approval of scoping agreement; verify project characteristics; evaluate traffic forecasts and supporting data; review/verify existing conditions; review future conditions without the project including intersections and roadway segment analyzes; review future conditions with the project including intersections and roadway segments analyzes; and, review the transportation management plan.

Signing and Striping Plans - Gather all available information including 'as-builts' and Conditions of Approval to adjacent existing improvements and future developments to provide a coordinated review. Review plans against current traffic engineering design standards, guidelines and practices; City standards for street construction; City's Guidelines for Bicycle Facilities; adhere to the Caltrans Highway Design Manual, Caltrans Traffic Manual, CA MUCTD and Caltrans Standard Plans and Specifications.

Traffic Signal Plans - Review and recommend approval of new traffic signal installations and

Scope of Work

traffic signal modifications including: review of proposed and verification of existing intersection geometrics, lane configuration and improvements; review/verification of existing utilities, subsurface and overhead obstructions; verify general notes, construction notes and standard plan references; review pole locations, mast arm lengths and ADA compliance; review/evaluate conduit layout and sizing, pull box locations; verify controller location and type, service connection and pedestal location, review pole and equipment schedule, conductor schedule and phase diagram; verify location of loop detectors or video detection zones; review/verify directional and warning signage, street name signs (illuminated v. non illuminated); review and verify vehicle storage (que), striping, pavement markings and advanced warnings.

Street Light Plans and Voltage Drop

Calculations – Verify conformance with the City's Public Works Standards, Standard Specifications for Street Lights and drafting standards. Verify location at intersections, along roadways and placement within median islands. Verify pole spacing and illumination requirements. Verify pole height, mast arm length and luminaire. Verify foundation requirements and location, pedestal location, service points and availability of service. Verify conduit layout, size and material. Verify circuit design.

Project Review Schedule

The project schedule will be determined and maintained by the project applicant. The project review schedule shall be as stated in the RFP and as outlined below:

Standard Plan Review	Plan Pickup
2 Days + 1 Day per Sheet	Within 2 Working Days of Notification

For expedited project review, the following schedule will apply.

Expedited Plan Review	Plan Pickup
50% of Standard Plan Review	Within 1 working days of notification

City Responsibilities

ERSC expects the City to provide assignment of plan checking tasks to the ERSC project manager or to the assigned project administrator. The City will need to provide all documentation regarding the project in order for ERSC to complete a thorough review. ERSC does not require use of any City property to complete this project.



Staff Qualifications

Staff Qualifications

When establishing a consulting team, our goal is to provide potential clients with the opportunity to work with engineers and technicians that understand the environment in which they work. This requires a thorough knowledge of the Client's policies, practices and procedures while, also, understanding the project requirements, budget limitations and goals. Our management team will be supported by staff engineers and technicians with equally significant experience related to Plan Checking Services.

Registered Professionals Assigned to this Project		
Name	CA Registration	Yrs. of Exp.
John M. Brudin, PE	C41836	34
Moe Ahmadi, PE	C58784	30
Jorge Biagioni, PE	C33751	40
Reza Toorzani, PE	C74906	34
Craig Brudin, QSP	QSP 26269	7
Steven Latino, PE, TE	C73430	15
Erik Howard, PE, PLS	C55318, PLS 7648	29
Robert Ollerton	LS7731	25
Lilia Guerrero		21
Dale Roberson		20

ERSC team members are familiar with the demands, expectations, and accountability required to successfully execute projects in a public works environment. The expertise of ERSC's individual team members in municipal engineering and public works disciplines is well renowned in local agencies, as evident by the number of municipalities that have continued to utilize ERSC's services year after year. Summaries of ERSC's proposed staff, as well as their qualifications, certifications, and recent assignments are available herein for your review.

Staff Selection

ERSC's project team has been formed based on familiarity, experience, and merit in completed projects similar to those described in the RFP. ERSC understands that we are an extension of your team, therefore we make our engineers, engineering technicians and administration team easily accessible and available to you. In selecting staff which have

previously navigated the strategies in researching and identifying utility conflicts, coordination with regulatory/permitting agencies, minimizing traffic impacts, review of hydraulic requirements, constructability analysis, and building code interpretation, ERSC aims to provide a team who can provide a complete project with flexibility to meet the requirements and expectations of the City.

Key personnel assigned to this project will be available for the extent proposed for the duration of the required services. No person identified as key shall be removed or replaced without prior written concurrence of the City.



John M. Brudin, PE
Principal-in-Charge

Steve Latino
PE, TE, MBA
Principal Engineer

Lilia Guerrero
QA/QC, Engineer IV

Moe Ahmadi, PE
Sr. Principal Engineer

Craig Brudin, QSP
Sr. Engineering Associate

Erik Howard, PE, PLS
Sr. Principal Engineer

Robert Ollerton, PLS
Principal Surveyor

Reza Toorzani, PE
Engineering V

Dale Roberson
Engineering Assoc. III

Jorge Biagioni, PE
Principal Engineer



Staff Qualifications

John M. Brudin, PE – Principal-in-Charge

Over the past 30 years, Mr. Brudin has been involved in a number of complex planning, design and construction projects. His ability to effectively communicate with agency personnel and team members provides the vital link between client and consultant and ensures that the goals of each project are met. Mr. Brudin has a broad base of experience in various disciplines including site design for public institutional facilities. Mr. Brudin has recently led and completed numerous capital engineering projects.

With his level of expertise in completing similar projects, Matt will provide guidance to the team and offer support during complicated scenarios.

Steven Latino, PE, TE - Project Manager

Steven brings a unique perspective to the ERSC team as he has spent time in both the Public and Private sector as a Civil Engineer. Steve's perspective allows our team to protectively manage projects to avoid issues during planning and engineering design.

Steve will provide day to day project management functions and act as engineer responsible for oversight of work performed.

Lilia Guerrero - QA/QC

Ms. Guerrero has more than 21 years of design, project management and plan checking experience. 15 of those years was focused on the design and review of private and public developments including public street improvements, water systems, storm drain and sanitary sewer. Ms. Guerrero's expertise is in utility relocation projects, right-of-way rights, asset management and land development.

Lilia will be responsible for providing QA/QC to each document before it is submitted. She will also manage schedule on a daily basis to ensure on-time delivery.

John M. Brudin, PE | President

Over the past 34 years, Mr. Brudin has been involved in a large number of complex planning, design and construction projects for public agencies. His ability to effectively communicate with agency personnel and team members provides the vital link between client and consultant that will ensure that the goals of each development review and plan check project assignment are met. Mr. Brudin has a broad base of experience in various disciplines including site development, streets and roads, grading and drainage, water & sewer, and flood control facilities.

Mr. Brudin has served as a District Engineer for the Lake Hemet Municipal Water District and as a Project Manager for “as-needed” professional engineering plan check services for several cities in the Orange, Riverside and San Bernardino County areas. Under these contracts, he has managed development review and plan check services for land development and capital projects, including grading, water, sewer, drainage, traffic signal and street improvement plans. Map checking was also provided under these contracts.

Similar Project Experience:

Plan Checking and Project Management Services, Palm Springs, CA – Project Manager for On-Call Plan Check and Project Management Services.

Civil Engineering Plan Check Services, Hemet, CA – Project Manager during the plan check review of private development projects throughout the City.

On-Call Plan Checking Services, City of Lake Elsinore, CA – Project Manager during On-Call Plan Check and WQMP review within the City of Lake Elsinore.

General Plan Check Services, City of Chino, CA – Project Manager during On-Call General Plan Checking and WQMP review services in the City of Chino.

On-Call Plan Check, WQMP Review, Inspection, and Civil Design, City of Beaumont, CA – Project Manager during plan and WQMP checking. Served as the manager for inspectors working within the City. Provided project management on various design projects such as Xenia Dr. Survey, Highland Springs Drainage Improvements, and WWTP Paving and Accessibility Project.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Manager during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Manager during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

Education

BS, Civil Engineering,
Loyola Marymount University,
Los Angeles, CA

Registrations / Certifications

CA, Civil Engineer No. C41836
QSD/QSP No. 00707

Affiliations

American Public Works Association
Floodplain Management Association

Areas of Expertise

Water/Wastewater Engineering
Flood Control Engineering
Project Management
Quality Control

Steve Latino, PE, TE, MBA | Sr. Principal Engineer

Mr. Latino's 16 year professional career has focused on providing services as a local municipal employee. This includes work in the areas of: Traffic and Transportation, Capital Improvement Projects (both design and construction management), and Land Development. Before joining ERSC in 2017, he most recently served as the Engineering Director/City Engineer for the City of Hemet where he oversaw a department of 8 staff members. He was responsible for all aspects of municipal engineering during his tenure at the City of Hemet, including: the review and approval of public infrastructure plans, land development review, traffic and transportation related design and planning, as well as CIP management and delivery.

Due to his extensive time served in the Public Sector, Mr. Latino is very knowledgeable of local regulations as well as working with various agencies including Western Riverside Council of Governments (WRCOG), Riverside County Transportation Commission (RCTC), San Bernardino County Transportation Authority (SBCTA), and Caltrans. He is well versed in project delivery and the challenges projects face due to local, regional and statewide regulatory requirements. With his experience prior to Hemet in the City of Ontario, Mr. Latino is familiar with both Riverside and San Bernardino Counties. His ability to design and review plans includes intuition that can easily be overlooked by someone who may not have delivered a municipal project from start to finish. Additionally, he is very familiar with the assembly of construction specifications and bid packages and is well versed in the Greenbook: Standard Specifications for Public Works Construction as well as the Caltrans Standard Specifications.

Select Project Experience:

Traffic Plan Check, City of Ontario, CA - Project Manager for the On-Call plan check of all traffic related plans for the City.

Plan Checking and Project Management Services, City of Palm Springs, CA – Project Engineer for On-Call Plan Check and Project Management Services.

Civil Engineering Plan Check Services, City of Hemet, CA– Project Engineer during the plan check review of private development projects throughout the City.

Development Review, Plan Check, and Inspection Services, City of Highland, CA – Project Engineer during in house assistance, plan checking, on-call design, and inspection.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Manager during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

Education

BS, Civil Engineering, Purdue University,
West Lafayette, IN

MBA, Business Administration
University of Redlands, Redlands, CA

Registrations / Certifications
CA, Civil Engineer No. C73430
CA, Traffic Engineer No. 2902

Affiliations

American Public Works Association
Institute of Transportation Engineers

Areas of Expertise

Quality Assurance/Quality Control
Municipal Fiber Optic Design
Services
Traffic and Transportation
Municipal Engineering

Lilia Guerrero | Engineer IV

Ms. Guerrero joined ERSC in 2019, bringing over 21 years of design, project management and plan checking experience. 15 of those years was focused on the design and review of private and public developments including public street improvements, water systems, storm drain and sanitary sewer. Ms. Guerrero's expertise is in utility relocation projects, right-of-way rights, asset management and land development.

Lilia also has 9 years of project management experience overseeing infrastructure projects on transmission corridors and commercial sites.

Similar Project Experience:

On-Call Plan Check, WQMP Review, Inspection, and Civil Design, City of Beaumont, CA – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino, CA – Project Engineer during general plan check services to the City of Chino since 2016. In the City of Chino, ERSC is commissioned to provide the review of Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board

On-Call Plan Check and Construction Inspection Services, City of Highland – Project Engineer during an on-call professional services agreement with the City of Highland. ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project Engineer during civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides

Education

MS, Project Management,
Northwestern University, Evanston, IL
BS, Civil Engineering, Sonora Institute of
Technology, Sonora Mexico

Areas of Expertise

Project Management
Utility Relocation
Right-of-Way Rights
Asset Management
Land Development

review of the following plans and documents: Traffic Signal Plans; Improvement Plans; Grading Plans; Final Maps and Parcel Maps; Dedications, Easements; Vacations, Quitclaims; Parcel Mergers; Lot Line Adjustments; WQMP Submittals; Hydrology and Hydraulic Studies/Reports; HEC-5 Studies; Traffic Analyses, Studies, Reports; Soil/Geotechnical Studies/Reports; Alquist Priolo Studies/State Submittals; Erosion Control Designs; Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

Plan Checking and Project Management, City of Palm Springs – Project Engineer during an on-call professional services agreement with the City of Palm Springs. Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing.

I-405 Improvement Project, Plan Checker for Orange County Transportation Authority and Caltrans, Orange County, CA – Performed technical review and quality assurance of civil engineering packages, ensure design conformance to Contract Technical Provisions established by the Orange County Transportation Authority (OCTA), the California Department of Transportation (Caltrans), and compliance with the local jurisdictions' design standards.

Ivanpah Solar Project, Plan Checker for Southern California Edison, Nipton, CA – Performed right of way and civil technical reviews of the Ivanpah Solar project to verify compatibility with SCE Transmission operations and adherence to the CPUC regulations.

Bob Hope Drive, Plan Checker for Southern California Edison, Rancho Mirage, CA – Performed right of way and civil technical reviews of the Bob Hope Drive widening improvements impacts on the underground transmission facilities and to verify compatibility with SCE Transmission operations and adherence to the CPUC regulations.

New Model Colonies, Plan Checker for Southern California Edison, Ontario, CA – As a Right of Way Technical Specialist at SCE, I verified the compatibility of the civil engineering improvements with the SCE Transmission operations and to its adherence to the CPUC regulations.

Moe Ahmadi, PE | Sr. Principal Engineer

With over 30 years of experience, 23 of those with ERSC, Mr. Ahmadi has provided municipal engineering, hydrology/hydraulic review, modeling and report review, and design peer review to a number of cities in Southern California. Mr. Ahmadi is also certified for the review Storm Water Pollution Prevention Plans by the California Storm Water Quality Association and attends regular training related to the preparation and review of Water Quality Management Plans in the Santa Ana and Whitewater Region. Mr. Ahmadi's experience includes the review of hydrology studies, hydraulic calculations, drainage plans, flood plain analysis, and FEMA submittal packages, Storm Water Pollution Prevention Plans and Water Quality Management Plans for various cities, in Orange, Riverside and San Bernardino counties including Colton, Huntington Beach, Hemet and Palm Springs.

Typical duties have included, but were not limited to, the following:

- Participates in the peer review of storm water facilities, large and small.
- Provides critical review of hydrology and hydraulic calculations for developer funded and agency sponsored projects.
- Handles public agency liaison, and coordination with developers and their engineers.
- Reviews Stormwater Pollution Prevention Plans and Water Quality Management Plans for compliance with the Construction General permit and the Municipal Separate Storm Sewer System.
- Performs constructability review and value engineering for public improvement projects.

Education

BS, Civil Engineering, Texas A&M University College Station, TX

MS, Civil Engineering Construction Management, Texas A&M University, College Station, TX

Registrations / Certifications

CA, Civil Engineer No. C58784
QSD/QSP No. 00706

Affiliations

American Society of Civil Engineers
National Society of Prof. Engineers

Areas of Expertise

Water Resources Engineering
Flood Control Engineering
Hydraulics and Hydrology
Erosion Control

Similar Project Experience:

Plan Check, Inspection and Design Services, City of Beaumont – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino – Project Engineer during general plan check services to the

City of Chino since 2016. In the City of Chino, ERSC is commissioned to provide the review of Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board

On-Call Plan Check and Construction Inspection Services, City of Highland – Project Engineer under an on-call professional services agreement with the City of Highland. ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project Engineer during civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides review of the following plans and documents: Traffic Signal Plans; Improvement Plans; Grading Plans; Final Maps and Parcel Maps; Dedications, Easements; Vacations, Quitclaims; Parcel Mergers; Lot Line Adjustments; WQMP Submittals; Hydrology and Hydraulic Studies/Reports; HEC-5 Studies; Traffic Analyses, Studies, Reports; Soil/Geotechnical Studies/Reports; Alquist Priolo Studies/State Submittals; Erosion Control Designs; Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

Plan Checking and Project Management, City of Palm Springs – Project Engineer during an on-call professional services agreement with the City of Palm Springs. Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing

Robert Ollerton, PLS | Principal Surveyor

Robert has over 30 years of professional experience in land surveying for municipal agencies. He has managed a wide variety of land survey projects including surveys for topographic mapping, geodetic control, right-of-way, boundary, and construction projects.

Education
BS, Civil Engineering, University
of California at Riverside,
Riverside, CA

Most recently, Robert's responsibilities include the management and coordination of construction staking contracts for civil engineering projects, boundary surveys, title analysis, topographic mapping, detailed design surveys, ALTA Surveys and mapping. As a plan check engineer, Robert is responsible for all coordination and checking for improvement plans and maps/ survey documents. Robert signs all survey documents for approval following review. Since joining ERSC, Robert's wide range of skills and background have enabled ERSC to provide clients with localized and personalized service, keeping true to ERSC's philosophy of dedication to customer service and satisfaction.

Registrations / Certifications
CA, Land Surveyor No. 7731

Training
AutoCAD
MicroStation
ArcGIS

Areas of Expertise
Survey
Right-Of-Way
Legal Descriptions
Mapping
CAD Operation

Similar Project Experience:

Plan Checking and Project Management Services, Palm Springs, CA –
Project Engineer for On-Call Plan Check and Project Management Services.

Civil Engineering Plan Check Services, Hemet, California – Project Engineer during the plan check review of private development projects throughout the City.

On-Call Plan Checking Services, City of Lake Elsinore – Project Engineer during On-Call Plan Check and WQMP review within the City of Lake Elsinore.

General Plan Check Services, City of Chino – Project Engineer during On-Call General Plan Checking and WQMP review services in the City of Chino.

On-Call Plan Check, WQMP Review, Inspection, and Civil Design, City of Beaumont – Project Engineer during plan and WQMP checking. Served as designer and drafter on various design projects such as Xenia Dr. Survey, Highland Springs Drainage Improvements, and WWTP Paving and Accessibility Project.

Craig Brudin, QSP | Sr. Engineering Associate

Mr. Brudin has been with the Engineering Resources team since 2014. He joined our team after spending the initial years of his career under the employment of a prominent Coachella Valley engineering firm. Since joining ERSC, he has become a valuable member of ERSC's project team providing plan review services to the Cities of Hemet and Palm Springs. While providing these services he has gained extensive working knowledge of the local grading manuals, ordinances and design guidelines, the site accessibility requirements in Chapter 11 of the California Building Code, sewer design guidelines and the preparation and evaluation of erosion control plans.

In various Cities, he is responsible for the review of mass and rough grading plans, residential precise grading plans, grading plans for residential development, & commercial development projects, sewer improvement plans, and erosion control plans. He also provides coordination of these efforts with the design engineer and the City's Planning Department. In addition, he is responsible for implementation of ERSC's electronic plan checking services. Craig has created and implemented the process for many ERSC clients and Scan confront the typical challenges before they arise in coordination efforts.

Education

BS, Environmental Policy & Management
BA, Business Managerial Studies

Registrations / Certifications

CA, QSP No. 26269
CESSWI No. 4852

Affiliations

CASQA

Areas of Expertise

Erosion and Sediment Control
Water Quality
Improvement Plan Check

Similar Project Experience:

Plan Check, Inspection and Design Services, City of Beaumont – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino – Project Engineer during general plan check services to the City of Chino since 2016. In the City of Chino, ERSC is commissioned to provide the review of Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board

Craig Brudin, QSP | Sr. Engineering Associate

On-Call Plan Check and Construction Inspection Services, City of Highland – Project Engineer during an on-call professional services agreement with the City of Highland. ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project Engineer during civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides review of the following plans and documents: Traffic Signal Plans; Improvement Plans; Grading Plans; Final Maps and Parcel Maps; Dedications, Easements; Vacations, Quitclaims; Parcel Mergers; Lot Line Adjustments; WQMP Submittals; Hydrology and Hydraulic Studies/Reports; HEC-5 Studies; Traffic Analyses, Studies, Reports; Soil/Geotechnical Studies/Reports; Alquist Priolo Studies/State Submittals; Erosion Control Designs; Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

Plan Checking and Project Management, City of Palm Springs – Project Engineer during an on-call professional services agreement with the City of Palm Springs, Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing.

Erik Howard, PE, PLS | Sr. Principal Engineer

Erik Howard has 29 years of complex project surveying, engineering and management experience civil engineering including below ground waterlines, welded steel reservoirs, well and booster pumping plants, groundwater recharge facilities, and street improvements including records searches, surveying, utility verification, design, review, preparation of contract documents (construction drawings and specifications), and construction observation (inspection).

His civil engineering portfolio includes site design and access roadway design for various civil projects including site selection and evaluation, hydrology studies, determination of grading requirements, piping layout, utility relocation, and cost estimates.

His professional surveying portfolio includes preparation of records-of-survey, legal descriptions, conveyance documents, topographic surveying, construction staking, boundary surveying, and monumentation. He has also performed contract administration and construction management for various projects, as well as provided expert witness services, legal testimony, and assisted in forensic studies on an as-needed basis.

Similar Related Experience:

Plan Check, Inspection and Design Services, City of Beaumont – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino – Project Engineer during general plan check services to the City of Chino since 2016. In the City of Chino, ERSC is commissioned to provide the review of Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board

Education

BS, Civil Engineering,
California State Polytechnic Univ.,
Pomona, CA

Registrations / Certifications

CA, Civil Engineer No. C53318
CA, Professional Land Surveyor
No. 7648

Affiliations

California Land Surveyors Association
American Water Works Association
American Society of Civil Engineers

Areas of Expertise

Water/Wastewater Engineering
Project Management
Forensic Evaluations
Survey/Geomatics
Quality Control

Erik Howard, PE, PLS | Sr. Principal Engineer

On-Call Plan Check and Construction Inspection Services, City of Highland – Project Engineer during an on-call professional services agreement with the City of Highland. ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project Engineer during civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides review of the following plans and documents: Traffic Signal Plans; Improvement Plans; Grading Plans; Final Maps and Parcel Maps; Dedications, Easements; Vacations, Quitclaims; Parcel Mergers; Lot Line Adjustments; WQMP Submittals; Hydrology and Hydraulic Studies/Reports; HEC-5 Studies; Traffic Analyses, Studies, Reports; Soil/Geotechnical Studies/Reports; Alquist Priolo Studies/State Submittals; Erosion Control Designs; Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

Plan Checking and Project Management, City of Palm Springs – Project Engineer during an on-call professional services agreement with the City of Palm Springs, Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing.

Jorge Biagioni, PE | Principal Engineer

Mr. Biagioni joined ERSC in 2018 and brings almost 40 years of municipal engineering experience to the ERSC team. Mr. Biagioni has a diverse range of knowledge having served both public and private entities throughout the region. In his past assignments, his responsibilities have included the following:

- Review of new projects, and preparation of conditions of approval.
- Review and preparation of final maps, legal descriptions and easement documents.
- Prepared staff reports for City Council meetings.
- Project coordination with other departments (Planning, Building & Safety, and Finance).
- Review and coordination of CIP projects for municipalities.
- Prepared CIP plan, Grading Ordinance and revision of City Standards for the City of Hemet.
- Coordination with Federal and State agencies (FEMA, Caltrans, DWR, DFW, etc.).
- Preparation of complex hydrology studies and design of storm drain systems.
- Designed the Master Plan of Drainage for John Wayne Airport in Orange County.
- Prepared network analysis for the Master Plan of Sewer for the City of Upland.
- Designed street improvements, water, sewer and storm drain systems.
- Provided plan check services for several municipalities.
- Managed the inspection activities for the cities of Hemet and Chino Hills.
- Interfaced with developers, contractors, design teams and local agencies.
- Review and process of cost estimates, bonds and other securities.
- Prepared proposals for public works projects.
- Managed engineering consulting offices in Orange and Riverside counties.

Education
BS, MS, Civil Engineering,
UNR, Argenita

Registrations / Certifications
CA, Civil Engineer No. C33751
QSD/QSP No. 21220

Areas of Expertise
Land Development Review
Municipal Engineering
CIP Management

Select Project Experience:

Plan Check, Inspection and Design Services, City of Beaumont – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino – Project Engineer during general plan check services to the City of Chino since 2016. In the City of Chino, ERSC is commissioned to provide the review of Rough and

Jorge Biagioni, PE | Principal Engineer

Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board

On-Call Plan Check and Construction Inspection Services, City of Highland – Project Engineer during an on-call professional services agreement with the City of Highland. ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project Engineer during civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides review of the following plans and documents: Traffic Signal Plans; Improvement Plans; Grading Plans; Final Maps and Parcel Maps; Dedications, Easements; Vacations, Quitclaims; Parcel Mergers; Lot Line Adjustments; WQMP Submittals; Hydrology and Hydraulic Studies/Reports; HEC-5 Studies; Traffic Analyses, Studies, Reports; Soil/Geotechnical Studies/Reports; Alquist Priolo Studies/State Submittals; Erosion Control Designs; Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

Plan Checking and Project Management, City of Palm Springs – Project Engineer during an on-call professional services agreement with the City of Palm Springs. Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing.

Dale Roberson | Engineering Associate III

Dale has more than 25 years experience in Civil Engineering Design, Plan Checking, Mapping, Telecommunications, Construction & Project Management, Landfill Engineering, ADA & QSD Site Inspections/ Reports, Wastewater, Water Quality, Entitlements, Property Condition Assessments /Reports, and Improvement Plan Processing to Permit. His skill set also includes Process Piping, Survey/ Mapping, Electrical & Industrial Engineering Experience when necessary. Dale's training also includes attendance at Water Quality, Landfill System, Management & Autocad/Softdesk Seminars.

He joined ERSC in 2019 and has since worked on projects including Plan Checking for various Cities, Counties and Water Districts across Southern California.

Similar Project Experience:

[Plan Checking and Project Management Services, Palm Springs, CA](#) – Project Engineer for On-Call Plan Check and Project Management Services.

[Civil Engineering Plan Check Services, Highland, California](#) – Project Engineer during the plan check review of private development projects throughout the City.

[On-Call Plan Checking Services, City of Lake Elsinore](#) – Project Engineer during On-Call Plan Check and WQMP review within the City of Lake Elsinore.

[General Plan Check Services, City of Chino](#) – Project Engineer during On-Call General Plan Checking and WQMP review services in the City of Chino.

[On-Call Plan Check, WQMP Review, Inspection, and Civil Design, City of Beaumont](#) – Project Engineer during plan and WQMP checking. Served as designer and drafter on various design projects such as Xenia Dr. Survey, Highland Springs Drainage Improvements, and WWTP Paving and Accessibility Project.

Reza Toorzani, PE | Engineer V

Mr. Toorzani joined the ERSC team in 2003, with more than 34 years of rich and extensive experience. He has gained particular skill in design, and a distinguished reputation for the overall supervision of large and complicated projects, insuring that the contracted works meets the required specifications. He has managed several site supervision teams and played a major role in completing projects according to program and within budget. In addition, Mr. Toorzani has practiced as an analyst, designer and site superintendent in the implementation of major civil infrastructure projects mainly in the United States and Iran.

Since joining the ERSC team, Mr. Toorzani has focused his extensive experience and expertise on the design and peer review of various structures. His design experience includes large scale solar projects, walls and foundations, reinforced concrete box storm drains and substructures and block enclosures and small wood framed structures at pump station and large metal buildings. Has conducted peer review for conical wind turbine foundations in the City of Palm Springs, Con-Span bridge structures along the Cactus Valley Wash in the City of Hemet and reinforced concrete structures crossing the East Garden Grove/Wintersburg Channel in the City of Huntington Beach.

Select Project Experience:

Plan Check, Inspection and Design Services, City of Beaumont – Project Engineer during civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017. ERSC reviews development projects, CIP projects, and WQMPs. Development plans range from 1-million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC is responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

On-Call Plan Check and Inspection Services, City of Banning, CA – Project Engineer during plan check and inspection services of residential and development projects. Plan check services include review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC also provides conditions of approvals for City projects, as needed.

On-Call Civil Engineering and Plan Check Services, City of Colton – Project Engineer during Engineering and Plan Check services in the City. ERSC works closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps. ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

General Plan Check Services, City of Chino – Project engineer during general plan check services for Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City.

Education
BS, Civil Engineering, Southern University and A&M College, Baton Rouge, LA

MS, Civil Engineering, New Jersey Institute of Technology, Newark, NJ

Registrations / Certifications
CA, Civil Engineer No. C74906
DE, Civil Engineer No. C13235

Affiliations
American Concrete Institute

Areas of Expertise
Construction Management
Structural Engineering
Structural Analysis
Material Analysis

Reza Toorzani, PE | Engineer V

On-Call Plan Check and Construction Inspection Services, City of Highland – Project engineer during contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements. ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

On-Call Plan Check Services, City of Lake Elsinore – Project engineer for plan check services for Traffic Signal Plans, Improvement Plans, Grading Plans, Final Maps and Parcel Maps, Dedications, Easements, Vacations, Quitclaims, Parcel Mergers, Lot Line Adjustments, WQMP Submittals, Hydrology and Hydraulic Studies/Reports, HEC-5 Studies, Traffic Analyses, Studies, Reports, Soil/Geotechnical Studies/Reports, Alquist Priolo Studies/State Submittals, Erosion Control Designs, and technical specifications for proposed improvements within City road rights of way.

Plan Checking and Project Management, City of Palm Springs – Project engineer during plan and map checking for City development projects, and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area. Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Inspection and construction management services for City-sponsored improvements to streets and drainage facilities.

Relevant Firm Experience

General Plan Check Services, City of Chino; Project Term 2016 - Present

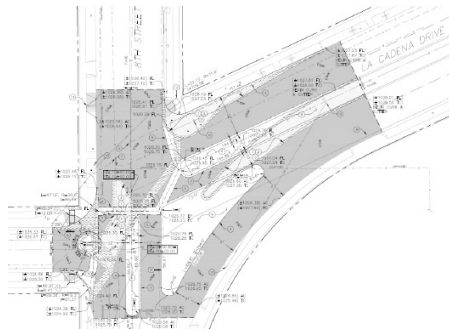
Engineering Resources of Southern California, Inc., has provided general plan check services to the City of Chino since 2016. ERSC was selected by the City of Chino without an interview period for the contract because of ERSC's ability to provide extensive past experience, a skilled project team, and the ability to provide electronic plan check submittals.

In the City of Chino, ERSC is commissioned to provide the review of Rough and Precise Grading Plans, Wet Utility, Plans (e.g. Sewer, Water, Storm Drain), Street Improvement Plans, Street Light Plans and Voltage Drop Calculations, Hydrology Studies and Hydraulic Calculations, Water Quality Management Plans (WQMPs), Easements and Right-Of-Way Dedications, Soils Reports, Subdivision Maps, Title Reports, and Closure Calculations, for private development and capital improvement projects throughout the City. Santa Ana Regional Water Quality Control Board.

	Chris Magdosku, PE, City Engineer City of Chino 13220 Central Avenue Chino, CA 91710 (909) 334-3417 (Main: (909) 334-3250) cmagdosku@cityofchino.org
ERSC Project Team: John M. Brudin, PE Erik Howard, PE Jorge Biagioni, PE Stephen Wilson, QSD/QSP Robert Ollerton	
ERSC Project Team: Moe Ahmadi, PE Reza Toorzani, PE Craig Brudin, QSP Lilia Guerrero	

On-Call Civil Engineering and Plan Check Services – City of Colton Project Term: 2003 - Present

Engineering Resources of Southern California, Inc. is proud to serve the City of Colton since 2003 with On-Call Civil Engineering and Plan Check services. Our engineers, engineering technicians and



administrative team have worked closely with City staff in the review of grading, street improvements, hydrology studies, soils reports, WQMP, SWPPP, lot line adjustments, and parcel maps.

Collectively, with the new additions to City staff, ERSC was excited to implement an electronic processing procedure for plan check review. The ERSC team handles the scanning of all plan check and supporting documents, helping to eliminate the burden for City staff, which helps project costs and budgets. This new procedure has helped to reduce plan check time and all plan check information is forwarded to the City in downloadable links for the City of Colton's ease and use.

ERSC also provides on-call engineering services, such as the design for the La Cadena and 8th Street Intersection Reconfiguration.

	City of Colton Victor Ortiz, PE, City Engineer (909) 514-4210 vortiz@coltonca.gov
ERSC Project Team: Moe Ahmadi, PE Reza Toorzani, PE Trent Brudin, EIT Lilia Guerrero	
ERSC Project Team: Steve Latino, PE, TE Jorge Biagioni, PE Ben Booth, EIT	

Plan Checking and Project Management, City of Palm Springs: Project Term: 2002 - Present

Under an on-call professional services agreement with the City of Palm Springs, Engineering Resources of Southern California, Inc., provides plan and map checking for most of the City's development projects and construction management and inspection for some of the Capital Improvement Projects throughout the incorporated area.

Specific tasks include the review of improvement plans, final subdivision maps, and other survey related documents as prepared by design consultants for accuracy and completeness; conformance to local codes, ordinances, and design standards. Further, ERSC has provided inspection and construction management services for City-sponsored improvements to streets and drainage facilities. Matt Brudin has served as the Project Manager and primary Plan Check team member since 2002 and all

Relevant Firm Experience

members of ERSC's current team have provided plan checking to the City under ERSC's contract, which is currently ongoing.

	Rick Minjares City of Palm Springs 3200 E. Tahquitz Canyon Way Palm Springs, CA 92263-2743 (760) 323-8299 (Main: (760) 323-8253 X8738) Rick.Minjares@palmsprings-ca.gov
ERSC Project Team: John M. Brudin, PE Moe Ahmadi, PE Reza Toorzani, PE Steven Latino, PE, TE Jorge Biagioni, PE Craig Brudin, QSP Stephen Wilson, QSD/QSP Lilia Guerrero Robert Ollerton	

On-Call Plan Check and Construction Inspection Services, City of Highland; Project Term 2003 - Present

Under an on-call professional services agreement with the City of Highland, ERSC provides contract inspection services for the construction of public works and privately funded improvements, including street improvements, paving, sidewalk, curb, gutter, grading, and earthwork. Work also included site review for compliance with City standards and traffic control requirements.

ERSC also provides plan checking services for all grading, street improvement plans, parcel and tract maps, as well as hydrology review.

	Carlos Zamano, P.E., Assistant Public Works Director City of Highland 27215 Base Line Highland, CA 92346 (909) 864-8732 (Main: (909) 864-6861) czamano@cityofhighland.org
ERSC Project Team: Steven Latino, PE, TE John M. Brudin, PE Jorge Biagioni, PE Moe Ahmadi, PE Lilia Guerrero Erik Howard, PE Robert Ollerton	

As-Needed Traffic Improvement Plan Check, City of Ontario; Project Term 2018 - Present

Under a subconsultant agreement with Harris & Associates, Inc., Engineering Resources provides as-needed traffic improvement plan check services, that

includes, but is not limited to:

- Review of Signing and Striping, Traffic Signal and Street Light Improvement Plans
- Compliance with applicable provisions of the City of Ontario standards, Conditions of Approval, City Plan Check Guidelines (Traffic and Transportation Design Guidelines).
- Verify designs and requirements against any other qualifying documents, including The Ontario Plan (TOP – City's General Plan), Master Plan of Streets and Highways, Specific Plans, CEQA/NEPA Documents (i.e. EIR).
- Review of special studies including, but not limited to Traffic Impact Analysis (Traffic Studies), Environmental Impact Reports, etc.
- Review the general format of the plans against the City's Standard Drawings for title blocks, design criteria, line types/weights, etc.
- Check plans against City Plan Check Guidelines and Traffic and Transportation Guidelines.
- Work with City staff and Developers/Engineers to achieve approval of public improvements.
- Monitor, respond and coordinate with the City of Ontario/Harris & Associates in regards to plans that are not progressing, attend developer related meetings as required and coordination meeting with City Staff.

	Craig Siefert, PE Harris & Associates 22 Executive Park, Suite 200 Irvine, CA 92614 (949) 655-3900 ext. 1152 Craig.Siefert@weareharris.com
ERSC Project Team: Steven Latino, PE, TE David Alcala, TSOS Lilia Guerrero	

Plan Check and Inspection Services, City of Banning; Project Term: 2018 - Present

Engineering Resources of Southern California, Inc., was recently awarded a contract with the City of Banning to provide plan check and inspection services of residential and development projects. The scope of plan check services includes review of street, sewer, water, grading and storm drain projects, as well as review of construction drawings to assure compliance with City, State and Federal regulations. ERSC will also provide conditions of approvals for City projects, as needed.

Relevant Firm Experience

ERSC's goal is to provide comprehensive early plan check comments to avoid unexpected project requirements late in the process, employ streamlined review processes and have a problem solving approach with all interactions. ERSC will review plans, calculations, reports and specifications for compliance with the most recent adopted Federal, State and City regulations and standards. Once verified that the plans comply with applicable regulations, ERSC will approve the plans and forward them to the City for permit issuance.

ERSC's inspectors will inspect public works improvement projects before, during and/or after construction to insure conformance with Federal, State and City statutes, regulations, guidelines, applicable standards, specifications, plans, laws and accepted standard construction practices. Inspectors will be responsible for site photos and reports submitted to the City daily, among other duties in the field.

	Kevin D. Sin, PE City of Banning 99 East Ramsey St. Banning, CA 92220 (951) 922-3140 (Main) (951) 922-3130 ksin@banningca.gov								
ERSC Project Team: <table> <tr> <td>John M. Brudin, PE</td><td>Moe Ahmadi, PE</td></tr> <tr> <td>Reza Toorzani, PE</td><td>Steven Latino, PE, TE</td></tr> <tr> <td>Jorge Biagioni, PE</td><td>Craig Brudin, QSP</td></tr> <tr> <td>Stephen Wilson, QSD/QSP</td><td>Lilia Guerrero</td></tr> </table>		John M. Brudin, PE	Moe Ahmadi, PE	Reza Toorzani, PE	Steven Latino, PE, TE	Jorge Biagioni, PE	Craig Brudin, QSP	Stephen Wilson, QSD/QSP	Lilia Guerrero
John M. Brudin, PE	Moe Ahmadi, PE								
Reza Toorzani, PE	Steven Latino, PE, TE								
Jorge Biagioni, PE	Craig Brudin, QSP								
Stephen Wilson, QSD/QSP	Lilia Guerrero								

Plan Check, Inspection and Design Services, City of Beaumont; Project Term 2017 - Present

Engineering Resources of Southern California, Inc., has provided civil engineering plan check, design, and inspection services to the City of Beaumont since in 2017.

As a plan checking consultant, ERSC reviews development projects, CIP projects, and WQMPs. Development plans have ranged from 1-Million sqft commercial complexes to multiple lot subdivisions. As an on-call design consultant, ERSC has been responsible for paving projects, survey projects, and drainage projects. Most recently, ERSC completed the Highland Springs/1st Drainage project to mitigate erosion and sedimentation issue near a local golf course.

ERSC also provides inspectors to the City to be onsite

during construction of land development activities in the City. ERSC inspectors regularly ensure work is performed per City standards, ADA accessibility requirements, coordinate material testing, and ensure storm water compliance measures are implemented on behalf of the City.

	Laurie Miller City of Beaumont 550 East 6th Street Beaumont, CA 92223 (951) 769-8520 ext. 326 lmiller@ci.beaumont.ca.us						
ERSC Project Team: <table><tr><td>John M. Brudin, PE</td><td>Steven Latino, PE, TE</td></tr><tr><td>Moe Ahmadi, PE</td><td>Jorge Biagioni, PE</td></tr><tr><td>Craig Brudin, QSP</td><td>Lilia Guerrero</td></tr></table>		John M. Brudin, PE	Steven Latino, PE, TE	Moe Ahmadi, PE	Jorge Biagioni, PE	Craig Brudin, QSP	Lilia Guerrero
John M. Brudin, PE	Steven Latino, PE, TE						
Moe Ahmadi, PE	Jorge Biagioni, PE						
Craig Brudin, QSP	Lilia Guerrero						

Civil Engineering Plan Check Services, City of Hemet, Project Term: 2000-2007 & 2015-2018

Engineering Resources of Southern California, Inc., provided civil engineering plan check services to the City of Hemet between 2000 to 2007 and 2015 to 2017, wherein ERSC was commissioned to provide the review of private development projects throughout the City.

Team members were responsible for verifying the conformance of various construction drawings with the City's municipal code, conditions of the approval, grading & erosion control manual, standards & specifications for all final subdivision maps and legal documents, commercial & residential grading, street improvements, traffic Signal installations & modifications, signing & striping, storm drain & site drainage plans, supporting hydrology & hydraulic calculations, and engineer's estimates & bond amounts for both public and private improvements. ERSC also provided the review and approval of construction and post construction water quality documents under the Construction General Permit and the MS4 in compliance with the requirements of the Santa Ana Regional Water Quality Control Board.

	Robert Vestal, PE City of Hemet (951) 765-2360 rvestal@cityofhemet.org
John M. Brudin, PE Moe Ahmadi, PE Reza Toorzani, PE Steven Latino, PE, TE	
Jorge Biagioni, PE Craig Brudin, QSP Robert Ollerton	

Relevant Firm Experience

On-Call Plan Check Services, City of Lake Elsinore; Project Term 2016 - Present

Engineering Resources of Southern California, Inc., has provided civil engineering plan check services to the City of Lake Elsinore since in 2016. As part of an on-call contract with the City, ERSC provides review of the following plans and documents:

- Traffic Signal Plans
- Improvement Plans
- Grading Plans
- Final Maps and Parcel Maps
- Dedications, Easements
- Vacations, Quitclaims
- Parcel Mergers
- Lot Line Adjustments
- WQMP Submittals
- Hydrology and Hydraulic Studies/Reports
- HEC-5 Studies
- Traffic Analyses, Studies, Reports
- Soil/Geotechnical Studies/Reports
- Alquist Priolo Studies/State Submittals
- Erosion Control Designs
- Review of Technical Specifications for Proposed Improvements within City Road Rights of Way.

	Dina Purvis City of Lake Elsinore 130 S. Main Street Lake Elsinore, CA 92530 (951) 674-3124 Ext. 248 dpurvis@Lake-Elsinore.org										
ERSC Project Team: <table><tr><td>John M. Brudin, PE</td><td>Moe Ahmadi, PE</td></tr><tr><td>Reza Toorzani, PE</td><td>Steven Latino, PE, TE</td></tr><tr><td>Jorge Biagioni, PE</td><td>Craig Brudin, QSP</td></tr><tr><td>Stephen Wilson, QSD/QSP</td><td>Lilia Guerrero</td></tr><tr><td>Robert Ollerton</td><td></td></tr></table>		John M. Brudin, PE	Moe Ahmadi, PE	Reza Toorzani, PE	Steven Latino, PE, TE	Jorge Biagioni, PE	Craig Brudin, QSP	Stephen Wilson, QSD/QSP	Lilia Guerrero	Robert Ollerton	
John M. Brudin, PE	Moe Ahmadi, PE										
Reza Toorzani, PE	Steven Latino, PE, TE										
Jorge Biagioni, PE	Craig Brudin, QSP										
Stephen Wilson, QSD/QSP	Lilia Guerrero										
Robert Ollerton											

Plan Check and Construction Services, City of Garden Grove; Project Term: 2010 - Present

Under a municipal services contract with the City of Garden Grove, ERSC provides construction management and inspection services for various street, intersection and storm drain improvement projects.

These services include coordination of CIP projects awarded to contractors for compliance with plans and specifications; review of monthly progress pay

estimates for compliance with specifications and provide monthly payment recommendations; monitor contractor's progress to ensure project schedules are met; assist and advise District staff with post-construction activities; review, assess and manage claims submitted by contractors.

Additional services include the management of projects that require special reporting to state or federal agencies to assure compliance with loan or grant conditions.

ERSC also provides plan check services for a variety of citywide improvements.

	William Murray, P.E., Public Works Director City of Garden Grove 11222 Acacia Pkwy Garden Grove, CA 92840 (714) 741-5000 (Main: 714-741-5192) wem@garden-grove.org		
ERSC Project Team: <table><tr><td>Steve Latino, PE, TE</td><td>Robert Righetti</td></tr></table>		Steve Latino, PE, TE	Robert Righetti
Steve Latino, PE, TE	Robert Righetti		



Firm Qualifications

Firm Qualifications

Engineering Resources of Southern California, Inc. (ERSC) was formed in 1996 with the asset purchase of NBS/Lowry, Inc. Since formation, ERSC has been committed to serving the Southern California region's public sector such as Special Districts, Regional Agencies, and Municipalities. ERSC currently staffs over 42 engineers, designers, construction observation personnel, and administrative support staff in four offices located in Palm Desert, Redlands, Temecula, and Irvine.



ERSC Capabilities

ERSC's capabilities are both the reason for and result of our history of providing professional services and solutions to agencies throughout the public sector. Our range of in-house capabilities allows us to meet the needs of clients throughout the life of any potential project.

- Water/Wastewater Engineering
- Construction Management and Inspection
- Civil Site Design
- Transportation Engineering
- Independent Plan Review
- Flood Control and Drainage Engineering
- Water Quality/NPDES
- Traffic Engineering
- Survey and Mapping
- Environmental Services

ERSC Professionals

The strength behind ERSC is our staff of qualified and experienced engineers, designers, construction observation personnel, and administrative support staff. We strive to match the exceptional skills, technical abilities, character, and attitude of our team members to the needs of our clients. ERSC staff work daily to create partnerships with our clients to transform their projects from the broadest level of general scope to final planning, design, implementation and construction resolution.

Many ERSC professionals have significant previous experience as municipal and public agency employees. As a result, ERSC can approach your project with first-hand knowledge of agency culture and how any agency envisions the planning and processing of a well-executed project.

ERSC Reliability

We believe that our long-standing service to a variety of public agency clients throughout California, many on a continuous basis throughout our 23 years in business, is a testimonial to the quality of services we provide. Many of our clients have continually sought our services since our first year of business.

Throughout years of service, ERSC has developed significant financial resources and organizational efficiencies. Development of proficiencies in these areas has allowed ERSC to continually deliver projects that routinely exceed client expectations.

Plan Checking Capabilities

ERSC has provided plan checking and special study review since 1996. ERSC's plan checking clients include municipalities, government agencies, and special districts throughout the region. Many of these clients have extended service agreements to retain our services outside of the original contract period. These clients benefit from the expertise of our team as we have processed plan checks for over 2,000 projects throughout our different clients in the region. With this kind of experience, we have reviewed concepts and designs throughout many different guidelines, conditions, and parameters. The ERSC team is confident in our ability to serve the City with outstanding service and form a relationship that will continue for many years to come.

Firm Qualifications

ERSC Corporate Information

Name and Corporate Address

Engineering Resources of Southern California, Inc.
1861 W. Redlands Blvd.
Redlands, CA 92373

Contact Information

Steven Latino, PE, TE, MBA,
Director of Engineering - Project Manager

1861 W. Redlands Blvd.
Redlands, CA 92373

Telephone: 909.890.1255 ext. 108

Fax: 909.890.0995

Email Address: slatino@erscinc.com

Type of Entity

Corporation

Number of Employees

ERSC maintains a staff of 42 professionals
throughout 4 offices in Southern California.

Federal Employer I.D. Number.

33-0718153

CA Dept. of Industrial Relations Number

1000017460

Years in business

23 years

Type of Entity

Corporation Organized in California

ERSC Insurance Coverage Levels

Professional Liability	\$ 1.0 Million Per Occurrence; \$ 2.0 Million Aggregate
General Liability	\$ 1.0 Million Per Occurrence; \$ 2.0 Million Aggregate
Automobile	\$ 1.0 Million Combined Single Limit
Workman's Comp	Maintained at levels required by law.

ERSC Sample Municipal Services Clients

Client	Duration	Services Provided
City of Banning	2019 - Present	On-Call Plan Check and Inspection
City of Beaumont	2017 - Present	On-Call Plan and WQMP Check
City of Burbank	2015 – Present	On-Call Construction Management and Inspection
City of Chino	2016 - Present	On-Call Plan and WQMP Check
City of Colton	2003 - Present	On-Call Plan Check
City of Lake Elsinore	2016 - Present	On-Call Plan, WQMP, Geotechnical Review
City of Garden Grove	2010 - Present	Development Review and Mapping Plan Check
City of Highland	2003 - Present	Development Review, Plan Check, and Inspection
City of Lake Forest	2016 - Present	On-Call Plan Check
City of La Mirada	2016 – Present	On-Call Project Management and Inspection
City of Ontario	2018 – Present	Plan Check for Traffic Projects
City of Palm Springs	2002 - Present	On-Call Plan and Map Check
City of Tustin	2006 - Present	Overflow and Expedited Plan for CIP/Development



Appendix A - Forms

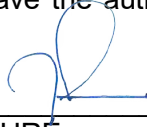
ATTACHMENT "A"

NOTE: THIS FORM MUST BE COMPLETED AND INCLUDED INSIDE ENVELOPE #1, "WORK PROPOSAL"

**REQUESTS FOR PROPOSALS (RFP) # 20-082
"ON-CALL" PLAN CHECKING SERVICES
SIGNATURE AUTHORIZATION**

PROPOSER: Engineering Resources of Southern California, Inc.

- A. I hereby certify that I have the authority to submit this Proposal to the City of Rialto for the above listed individual or company. I certify that I have the authority to bind myself/this company in a contract should I be successful in my proposal.



SIGNATURE

- B. The following information relates to the legal contractor listed above, whether an individual or a company. Place check marks as appropriate:

1. If successful, the contract language should refer to me/my company as:

____ An individual;
____ A partnership, Partners' names: _____

____ A company;
☒ A corporation

2. My tax identification number is: 33-0718153

ADDENDA ACKNOWLEDGMENT:

Acknowledgment of Receipt of any Addenda issued by the City for this RFP is required by including the acknowledgment with your proposal. Failure to acknowledge the Addenda issued may result in your proposal being deemed non-responsive.

In the space provided below, please acknowledge receipt of each Addenda:

Addendum(s) # 1 (2/13/20) is/are hereby acknowledged.
Addendum(s) # 2 (2/25/20) is/are hereby acknowledged.
Addendum(s) # _____ is/are hereby acknowledged.
Addendum(s) # _____ is/are hereby acknowledged.

The "Small Business Concerns Information" sheet shall be included as part of Attachment "A".

ATTACHMENT "A"

Small Business Concerns Information

The Proposer shall furnish the following information. Additional sheets may be attached, if necessary.

- (1) Name: Engineering Resources of Southern California, Inc.
- (2) Address: 1861 W. Redlands Blvd., Redlands, CA 92373
- (3) Phone No.: 909-890-1255 Fax No.: 909-890-0995
- (4) E-Mail: info@erscinc.com
- (5) Type of Firm: (Check all that apply)
☐ Individual ☐ Partnership ☒ Corporation
☐ Minority Business Enterprise (MBE) ☐ Women Business Enterprise (WBE)
☐ Small Disadvantaged Business (SDB) ☐ Veteran Owned Business
☐ Disabled Veteran Owned Business ☐ Other
- (6) Business License: ☐ Yes ☐ No License Number:
- (7) Tax Identification Number: 33-0718153
- (8) Number of years as a firm practicing the requested services: 24
- (9) Three (3) projects of this type recently completed:
Type of project: Plan Checking and Project Management
Contract Amount: Date Completed: 2002 - Present
Owner: City of Palm Springs Phone: (760) 323-8253
Type of project: Plan Check and Inspection Services
Contract Amount: Date Completed: 2018 - Present
Owner: City of Banning Phone: (951) 922-3130
Type of project: General Plan Check Services
Contract Amount: Date Completed: 2016 - Present
Owner: City of Chino Phone: (909) 334-3417
- (10) Person who reviewed the RFP for your firm:
Name: John M. Brudin Date of Review: 02-20-2020

ATTACHMENT "B"

NOTE: THIS FORM MUST BE COMPLETED AND INCLUDED INSIDE ENVELOPE #1, "WORK PROPOSAL"

REQUESTS FOR PROPOSALS (RFP) # 20-082 "ON-CALL" PLAN CHECKING SERVICES

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The Consultant, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, and manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

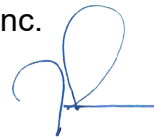
Exceptions will not necessarily result in denial of award, but will be considered in determining Proposer responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.

Consultant Name: Engineering Resources of Southern California, Inc.

March 2, 2020

(Date)



(Signature)

John M. Brudin, President

(Name & Title)

ATTACHMENT "C"



CITY OF RIALTO

DISCLOSURES REQUIRED BY PERSONS OR ENTITIES CONTRACTING WITH THE CITY OF RIALTO

Pursuant to Rialto Municipal Code section 2.48.145, all persons or business entities supplying any goods or services to the City of Rialto shall disclose whether such person or entity is related to any officer or employee of the City by blood or marriage within the third degree which would subject such officer or employee to the prohibition of California Government Sections 87100 et. seq., Fair Political Practices Commission Regulation Section 18702, or Government Code Section 1090.

By submitting this proposal, or supplying any goods or services to the City, the undersigned hereby attests under penalty of perjury, personally or on behalf of the entity submitting this proposal or supplying any goods or services to the City, as well the entity's officers, representatives and the undersigned, that it/they have no relationship, as described above, or financial interests, as such term is defined in California Government Section 87100 et. seq., Fair Political Practices Commission Regulation Section 18702, or Government Code Section 1090, with any City of Rialto elected or appointed official or employee, except as specifically disclosed immediately below:

Vendor/Contractor/Consultant: Engineering Resources of Southern California, Inc.

City of Rialto Official/ Employee Name(s)	The nature of the relationship with the person listed is:
<u>None</u>	<u>None</u>
<u></u>	<u></u>
<u></u>	<u></u>

By: 

Name: John M. Brudin

Title: President

