

RESOLUTION NO. 2015- 069

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROHNERT PARK
AUTHORIZING AND APPROVING A TASK ORDER FOR ON-CALL
CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES WITH BRELJE &
RACE CONSULTING ENGINEERS**

WHEREAS, the City will have various projects in construction phase; and

WHEREAS, funding for the various projects is budgeted under the Capital Improvement Program; and

WHEREAS, the City has issued a Request for Proposal for Construction Management and Inspection Services; and

WHEREAS, Brelje & Race Consulting Engineers submitted a proposal for Construction Management and Inspection Services; and

WHEREAS, the City has reviewed the proposal by Brelje & Race Consulting Engineers, believes that Brelje & Race Consulting Engineers is the best qualified firm to administer the construction phase of the various projects.

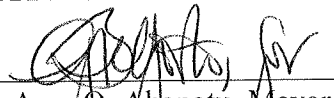
NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Rohnert Park that it does hereby authorize and approve a Task Order with Brelje & Race Consulting Engineers, for Construction Management and Inspection Services for various project for a not-to-exceed amount of \$100,000.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to take all actions to effectuate this Design Professional Services Agreement for and on behalf of the City of Rohnert Park, including execution, if necessary, in substantially similar form to Exhibit A attached hereto and incorporated by this reference subject to minor modifications by the City Manager or City Attorney.

BE IT FURTHER RESOLVED that the Finance Director is hereby authorized to make appropriations, transfer budgeted revenue as necessary to cover the costs of the task order.


DULY AND REGULARLY ADOPTED this 14th day of April, 2015.

CITY OF ROHNERT PARK



Amy O. Ahanotu, Mayor

ATTEST:



JoAnne M. Buergler, City Clerk

CALLINAN: Aye MACKENZIE: Aye STAFFORD: Aye BELFORTE: Aye AHANOTU: Absent
AYES: (4) NOES: (0) ABSENT: (1) ABSTAIN: (0)

BRELJE & RACE CONSULTING ENGINEER TASK ORDER NO. 2015-02

**CITY OF ROHNERT PARK
AND
BRELJE & RACE CONSULTING ENGINEER**

**AUTHORIZATION TO PROVIDE
ON-CALL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES**

SECTION 1 – PURPOSE

The purpose of this Task Order is to authorize and direct Brelje & Race Consulting Engineers to proceed with the work specified in Section 2 below in accordance with the provisions of the MASTER AGREEMENT between the City of Rohnert Park ("City") and Brelje & Race Consulting Engineers ("Consultant") hereto dated **April 14, 2015**.

SECTION 2 – SCOPE OF WORK

The items authorized by this Task Order are presented in Attachment "A" - Scope of Services.

SECTION 3 – COMPENSATION AND PAYMENT

Compensation shall be as provided in the MASTER AGREEMENT between the parties hereto referenced in SECTION 1 above. The total cost for services as set forth in SECTION 2 shall be actual costs (time and materials) based on Consultants' standard labor charges in accordance with the provisions of the MASTER AGREEMENT and as shown in Attachment "B" for an amount not-to-exceed \$100,000.00.

SECTION 4 – TIME OF PERFORMANCE

The work described in SECTION 2 shall be completed by **December 31, 2015**, or as extended by the City Manager.

SECTION 5 – ITEMS AND CONDITIONS

All items and conditions contained in the MASTER AGREEMENT for professional services between City and Consultant are incorporated by reference.

Approved this **14th** day of **April, 2015**.

CITY OF ROHNERT PARK

BRELJE & RACE CONSULTING ENGINEERS

Darrin Jenkins, City Manager (Date)
Per Resolution No. 2015-____ adopted by the
Rohnert Park City Council at its meeting
of 4-14-15

John S. Locey, President (Date)



GENERAL CONSTRUCTION MANAGEMENT PROJECT APPROACH

Brelje & Race's work during the construction phase of any project consists of a comprehensive range of services to provide our clients with the highest level of assurance that the project is being conducted in a manner that is safe, reduces residential complaints, results in a properly performing finished product that conforms to the construction contract documents, and minimizes the client's exposure to risk and cost overruns. This comprehensive range of services is understood to include the general categories of contract administration, construction management, field inspection, assistance during bidding and geotechnical or other special testing.

Included within this Statement of Qualifications (SOQ) is a comprehensive list of construction phase services that will be provided to the City for every project. We consider this list to be well-conceived, thoroughly covering the above listed general categories. Commentary has been inserted beneath some of the service tasks where merited. Combined, the comprehensive list provides a full-service approach to construction management.

1. Pre-Construction Meeting

Conduct the pre-construction meeting, which will include appropriate City staff, the design engineer, contractor, major subcontractors and local utility company representatives as necessary. Prepare agenda and minutes for the pre-construction meeting. The preconstruction meeting shall include a discussion of all items pertinent to the successful performance of the contractor leading to smooth completion of the project.

Our approach to organizing pre-construction meetings is intended to result in all parties to the project being appropriately represented. Discussions during the meeting will establish a clear understanding of communication protocols and each party's responsibilities for the duration of the project. This is also the time to point out any irregular or non-standard work items, sequence of work and expectations regarding the contractor's field and office support performance.

2. Project Meetings

Conduct and document progress meetings and other special technical meetings on a weekly or bi-weekly basis. Prepare and distribute agendas to include key issues, schedule status and updates, potential change orders and other outstanding or pending issues. Prepare minutes of the meetings.

3. Schedule Management

Review contractor's as-planned schedule for conformance with the specifications and for reasonableness of activity duration and sequence. Coordinate review comments by the City and the design engineer and transmit review comments to the contractor. Meet with the contractor to discuss and clarify any significant issues. Review revised schedules as required. Review work progress as compared to the as-planned schedule and notify contractor of schedule slippage. Determine impact of the weather and change orders on the construction schedule. Review contractor's updates of the construction schedule which incorporates actual progress, weather delays, and change order impacts.

Brelje & Race feels it is important to require the Contractor to produce a weekly 3-week "look-ahead" schedule as a means to keep the overall project schedule current.

4. Maintain Project Records

Maintain project records including submittals log, daily logs, inspection reports, compliance testing results, photos, measurement of quantities, schedules and correspondence.



5. Prepare Weekly Reports

Prepare and submit to the City a weekly project status report including construction progress summary, construction cash flow and payments, and summary logs for proposed change orders (PCO's) and change orders.

The City requires a monthly report, however our practice has been to provide a weekly or sometimes bi-weekly update via email. This ensures that the City's project manager is kept fully informed and records are incorporated in a timely and accurate manner. We also will provide copies of other files and documentation on a monthly basis, such as Daily Inspection Reports.

6. Review Monthly Progress Payments

Evaluate the monthly progress payment requests from the Contractor, negotiate differences over quantities and payment, and recommend payment to the City.

At the beginning of the project, Brelje & Race will review the Contractor's Initial Cost Breakdown for accuracy, which is then used to establish the form of Progress Payment Requests. Submitted progress payment requests are fully reviewed by both Brelje & Race field personnel and the Construction Manager before forwarding to the City with our recommendation for payment.

7. Requests for Information (RFIs) and Requests for Clarifications (RFCs)

Coordinate and manage the RFI and RFC evaluation and response process. This includes log, transmit to the design engineer for response, coordinate with design engineer on field status, track progress, review response, and transmit response to contractor.

It is important that a written record of contractor questions and the official responses be kept and maintained. All questions will be requested to be provided via the RFI/RFC process.

8. Potential Change Orders (PCOs) and Change Orders

Coordinate and manage the change order process, including log, review in conjunction with design engineer and City personnel, assist with determination of changed conditions and scope definition as needed, assist with negotiation, and incorporate change orders into the construction contract.

It is vital that PCO, Change Orders and Force Account work are evaluated, negotiated, tracked and finalized in such manners that result in prompt and accurate determination of the costs involved. We also encourage the Contractor to prepare extra work requests immediately and submit with each monthly progress payment request in order that accurate project accounting and budget status stays up-to-date.

9. Coordinate Submittal and Shop Drawing Review Process

Coordinate and manage the submittal/shop drawing review process. This work includes log, transmit to design engineer for response, coordinate with design engineer on field status, track progress, review response, transmit response to contractor and ensure subsequent resubmittals are received and reviewed properly.

Approach Summary

1. Pre-Construction Meeting
2. Project Meetings
3. Schedule Management
4. Maintain Project Records
5. Prepare Weekly Reports
6. Review Monthly Progress Payments
7. Requests for Information (RFIs) and Requests for Clarifications (RFCs)
8. Potential Change Orders (PCOs) and Change Orders
9. Coordinate Submittal and Shop Drawing Review Process
10. Permits Compliance
11. Monitor Construction Record Drawings
12. Monitor Construction Record Drawings
13. Claims Management
14. Field Inspection
15. Photograph or Video Documentation
16. Field Changes
17. Inspection Reports
18. Substantial Completion and Punch List
19. Project Documents
20. Notice of Completion
21. Worksite Safety and Liability Awareness
22. Public Relations – Outreach and



10. Permits Compliance

Monitor Contractor compliance with construction permits and CEQA mitigation measures. Coordinate with design engineer for compliance. Recommend course of action to City if required measures are not being met by the Contractor.

11. Monitor Construction Record Drawings

Monitor construction record drawings maintained by the Contractor and inspector on a regular basis. Provide to design engineer upon project completion for accurate creation of Record Drawings.

12. Claims Management

Analyze potential claims for additional compensation that are submitted during the construction period and make recommendations to resolve them. Perform claims administration, including coordination and monitoring claims response preparation, logging claims, and tracking claims status.

13. Field Inspection

Provide construction inspection to monitor the Contractor's work for compliance with the contract documents.

14. Photograph or Video Documentation

Prepare video or photo documentation of initial site conditions prior to Contractor's commencement of construction. Provide additional photos of construction progress.

Construction progress photos will carry date stamps for easy cross-reference with daily inspection reports. Plus, several representative photos are incorporated into our daily inspection reports.

15. Field Changes

Document all field changes to the Drawings and Specifications.

16. Inspection Reports

Prepare Daily Inspection Reports documenting the work performed each day, including the contractor's staff, equipment and materials used, and any subcontractors on site, deliveries received and other pertinent information. Potential extra work will also be noted and tracked in detail.

Brelje & Race utilizes standardized, in-house developed forms for Daily Inspection Reports and Weekly Working Days Statements to aid efficient recordkeeping.

17. Geotechnical Observation & Special Testing

Brelje & Race will manage and coordinate the services of RGH, Inc. for geotechnical observation and testing and materials or special testing services, as required.

18. Substantial Completion and Punch List

Schedule with City and the design engineer, conduct substantial completion inspections and issue punch lists.

19. Project Documents

Provide the City with a complete set of all records of the project, indexed and properly filed, and a listing of warranties provided under the project including the items covered and the warranty duration.

Brelje & Race will prepare a set of fresh redline plans that consolidates field set mark-ups at the end of a project. Record Drawings will generally be forwarded to the design engineer for preparation based on the field set mark-ups from Brelje & Race.



20. Notice of Completion

Prepare the final pay estimate and balance change orders, prepare the Notice of Completion, and coordinate retention release.

21. Worksite Safety and Liability Awareness

Brelje & Race has an Injury and Illness Prevention Program in place that, in part, establishes clear procedures for maintaining awareness of the risks and liabilities associated with worksite safety practices. Although the Contractor is solely responsible for worksite and worker safety, our field personnel are trained to recognize imminent and flagrant threats to life or safety and, consistent with normal standard professional care, will promptly notify the Contractor and the City when such conditions are recognized. A copy of our IIPP can be provided upon request.

22. Public Relations – Outreach and Communications

Brelje & Race will either prepare or assist in the preparation and distribution of initial notifications to locally affected homes and businesses that the City often elects to have distributed prior to and at various times throughout a project. All notifications shall receive review and approval by City staff prior to delivery.

We will also ensure that Contractor provides required public notifications of construction activity. Brelje & Race will act as the primary contact for the public during construction, maintain a log of complaints including the name and address of the person complaining, date and nature of complaint, date the Contractor was notified and the action taken (with date) to resolve the complaint. All contractor generated notices will be reviewed by Brelje & Race's construction manager prior to approval for release to the public.

Additionally, for complex projects that are particularly difficult or unpleasant to the public, Brelje & Race staff will either assist the City or provide the lead as needed for additional public outreach, informational meetings and other public relations endeavors. All complaints received will be addressed promptly and directly during a project by Brelje & Race staff.



Figure 1. Project Team Structure

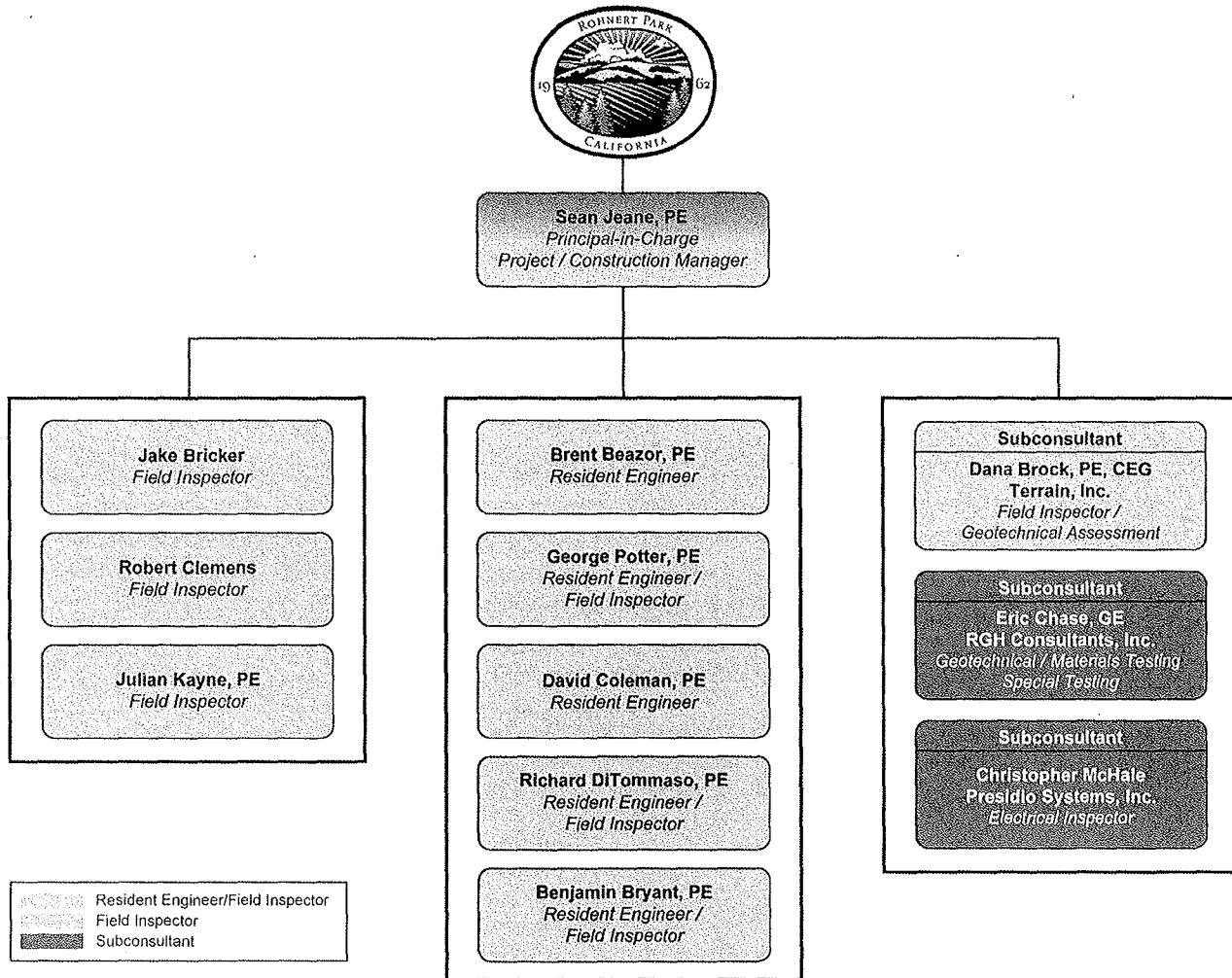


Table 1 Summary of Key Personnel

Key Personnel	Qualifications and Experience
Sean Jeane, P.E. Associate Principal Principal-in-Charge Project / Construction Manager	<ul style="list-style-type: none"> Associate Principal of Brelje & Race with 26 years of experience. Experienced project manager in planning, design, construction management and peer review for private and public agency projects including water storage tank, pipeline, treatment and pump stations; water wells, sewer and water remediation/rehabilitation; wastewater treatment plant facilities; roadway improvements; parks planning and pathways; drainage systems and erosion control; and earth retaining structures.
Brent Beazor, P.E. Associate / Senior Civil Engineer Resident Engineer	<ul style="list-style-type: none"> Over 18 years of experience in the design of water distribution systems, wastewater collection systems and preparation of water distribution system maps. Experienced resident engineer, and has provided construction management and inspection services for numerous public entities.



Key Personnel	Qualifications and Experience
George Potter, P.E. Senior Civil Engineer Resident Engineer / Field Inspector	<ul style="list-style-type: none"> Senior engineer with more than 25 years of experience primarily involving the planning and design of water and wastewater projects, resident engineering, and construction inspection. Experienced in a broad range of projects including roadway paving, water storage and distribution, and facilities improvements (pump stations, roads, parking lots, treatment plants, and storage tanks). Certifications include SSPC, HAZWOPER, and Confined Space.
David Coleman, P.E. Senior Civil Engineer Resident Engineer Construction Manager – Alternate	<ul style="list-style-type: none"> Over 30 years in civil and environmental engineering, serving federal, state, municipal and private sectors. Extensive experience in the planning, design and construction management of water and wastewater infrastructure. Project Manager and Lead Design Engineer for large scale wastewater treatment plant projects in Sonoma, Mendocino and Amador Counties.
Richard DiTommaso, P.E. Senior Mechanical Engineer Resident Engineer / Field Inspector	<ul style="list-style-type: none"> 33 years of experience as a mechanical engineer in the public and private sectors. 25 years with Brelje & Race. Extensive experience designing pump stations, water well facilities, and wastewater treatment plant unit processes. Resident Engineer for surface water and wastewater treatment and storage facilities such as Town of Windsor, Circle Oaks County Water District and Sonoma Raceway.
Benjamin Bryant, P.E. Civil Engineer Resident Engineer / Field Inspector	<ul style="list-style-type: none"> Over 5 years of experience in the civil engineering field. Emphasis in resident engineering, construction inspection, and project start up assistance for both public works projects and private developments. Design experience in a broad range of projects, including water storage and distribution, wastewater collection and treatment, roadways, hydraulic and hydrologic modeling, and land development. Experienced with embankment reservoirs and reservoir repair including the DSOD (Division of Safety of Dams) approval process.
Jake Bricker Construction Technician II Field Inspector	<ul style="list-style-type: none"> Over 8 years construction management and observation experience. Experienced with quality control for public sewer and water main rehabilitation projects; transportation and roadway improvements, healthcare facilities; water storage tanks; and wastewater treatment projects. Responsible for construction oversight for projects in the City of Rohnert Park including the Adrian Driver Sewer and Water Rehabilitation Project. Familiar with Uniform building, plumbing, fire and electrical codes.
Julian Kayne, P.E. Civil Engineer Field Inspector	<ul style="list-style-type: none"> Over 7 years of experience as a civil and environmental engineer. Experience includes evaluation, planning, analysis, design, permitting and construction phase assistance services for water and wastewater treatment and water recycling facilities in both the public and private sectors. Expertise in all aspects of compliance with NDPES industrial and construction storm water permitting. QSD/QSP Certified
Robert Clemens Construction Technician Field Inspector	<ul style="list-style-type: none"> Over 12 years of experience as a field inspector with Brelje & Race. Experienced resident inspector on a variety of water distribution, storage, and paving projects for public agency and private clients.

SERVICES RATE SCHEDULE
EFFECTIVE MARCH 1, 2015

PROFESSIONAL SERVICES

Senior Principal.....	\$195.00/hour
Associate Principal	160.00/hour
Associate	145.00/hour
Managing Engineer	150.00/hour
Senior Engineer	145.00/hour
Engineer.....	135.00/hour
Engineering Technician.....	115.00/hour
Senior Planner.....	130.00/hour
Planner	100.00/hour
Senior Surveyor.....	135.00/hour
Surveyor.....	120.00/hour
Survey Technician	110.00/hour
CAD Technician.....	110.00/hour
Construction Engineer	130.00/hour
Construction Technician 2.....	115.00/hour
Construction Technician 1.....	100.00/hour
Technical Writer	90.00/hour

EXPERT WITNESS & MEDIATION SERVICES \$350.00/hour

FIELD SURVEYING

One-man Party (Including Survey Equipment & Vehicle)	\$170.00/hour
Two-man Party (Including Survey Equipment & Vehicle)	\$225.00/hour
Three-man Party (Including Survey Equipment & Vehicle)	\$275.00/hour

CLERICAL SERVICES \$70.00/hour

OUTSIDE CONSULTANTS Cost + 10% Handling Charge

OUTSIDE PLOTTING AND REPRODUCTION Cost + 10% Handling Charge

IN-HOUSE PLOTTING

Vellum or Bond	\$8.00/sheet
Mylar	20.00/sheet

Note

Brelje & Race does not charge separately for many of the expenses that are traditionally recouped from the Client as "reimbursable". The hourly rates listed above are inclusive of all expenses for vehicle mileage, surveying materials, incidental copying services and computer hardware, software and other information technology costs.

Terrain, Inc.

SCHEDULE OF CHARGES 2015

Professional Classification	Standard Hourly Rate
Principal	\$140
Senior	\$120
Project	\$110
Assistant	\$100
Staff	\$90
CAD Design/Draftsperson	\$85
Word Processing	\$65
Clerical	\$55

Expenses	
Sub consultant expenses	At cost plus 8% handling
Reproduction, Travel, CAD prints, etc.	At cost plus 10% handling

This schedule of charges is effective January 1, 2015 and will be revised January 1, 2016. Professional classifications and corresponding rates apply to all disciplines, including engineers, geologists, construction managers, inspectors, or other professions.

Standard rates for expert testimony are increased by 50% and charged in ½ day increments.

Invoices are payable upon presentation and past due 30 days from the submittal date. A finance fee will be charged for past due accounts at the rate of 1 ½ % per month.

If a client requires a higher level of coverage than Terrain carries and/or the contractual terms merit specific coverage, Terrain will pass on the incremental premiums at cost.

Billing currency for international projects will normally be in US\$. For companies that wish to be billed in other currencies, conversion will be at the exchange rate on the invoice issue date.

Terrain's liability for errors and omissions shall in no case exceed the value of the engagement.

Attachment A

Presidio Systems, Inc.
Hourly Rate Schedule, Effective Jan. 2014*

Project Manager	\$ 140.00/hr.
Project Assistant	\$ 65.00/hr.
Clerical	\$ 50.00/hr.
Engineer - Principal	\$ 150.00/hr.
Engineer - Senior	\$ 125.00/hr.
Programmer/Sr. Control Specialist	\$ 120.00/hr.
Technician/Senior Field Specialist	\$ 95.00/hr.
CAD Operator	\$ 75.00/hr.
Site Superintendent	\$ 110.00/hr.
Control Specialist	\$ 105.00/hr.
Foreman Electrician (IBEW)	\$ 115.00/hr.
Journeyman Electrician	\$ 95.00/hr.
Journeyman Electrician (IBEW)	\$ 104.00/hr.
Certified Welder	\$ 130.00/hr.
Equipment Operator	\$ 95.00/hr.
Laborer II	\$ 85.00/hr.
Laborer I	\$ 75.00/hr.

* These hourly rates are used for all Time and Materials contracts. Travel time is billed at normal billable rates.

Overtime Rates: Rates may increase by a factor of 1.3 for all hours worked in excess of eight (8) Monday through Friday, and the first eight (8) hours worked on Saturday. Rates increase to a factor of 2.0 for all hours worked in excess of twelve (12) Monday through Friday, in excess of eight (8) on Saturday, and all hours worked on Sunday.

This rate schedule does not apply to prevailing wage projects.

Unless prior arrangements are made, four (4) hour minimums apply to all on-site work.

Additional Services and Fees

- PSI provides a wide range of contractor and consulting services through the use of both in-house and contracted personnel. When contractors or outside services are used, billing will be at a rate of **cost plus 20%**.
- All materials, parts and rental equipment will be billed at a rate of **cost plus 20%**.
- Field vehicles will be charged at a rate of \$46.50/day, plus \$.65/mile traveled.

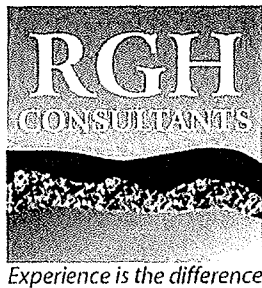


MINIMUM TIME REQUIREMENTS

Brelje & Race does not set minimum time requirements for our employees, and specifically for the team members assigned to tasks for the City's projects.

EXCEPTIONS AND EXCLUSIONS

Brelje & Race has reviewed the City of Rohnert Park's Standard Professional Services Agreement and hereby confirm that the contract and its associated insurance requirements are acceptable.



Santa Rosa Office
1305 North Dutton Ave
Santa Rosa, CA 95401
P: 707-544-1072
F: 707-544-1082

Napa Office
1041 Jefferson St, Suite 4
Napa, CA 94559
P: 707-252-8105
F: 707-544-1082

Middletown Office
P.O. Box 852
Middletown, CA 95461
P: 707-987-4602
F: 707-987-4603

March 18, 2015

Brelje & Race
Attention: Sean Jeane
475 Aviation Boulevard, Suite 120
Santa Rosa, CA 95403
jeane@brce.com

Field and Laboratory Testing Services during Construction
Rohnert Park Expressway Rehabilitation Proposal
Rohnert Park, California
RP # 2013-01
Federal Project # STPL 5379 (020)

Project Number: 1148.41.PW.1

We are pleased to submit this proposal to provide field and laboratory testing services during construction of the proposed Rohnert Park Expressway Rehabilitation Project in Rohnert Park, California. The enclosed scope and fee is based on our understanding of the project following a review of the project drawings and specifications.

Project Description: The project includes digouts and an overlay of the Rohnert Park Expressway from State Farm Drive to Snyder Lane, and from Commerce Boulevard to State Farm Drive. The plans for the segment from State Farm Drive to Snyder Lane are completed. The segment from Commerce Boulevard to State Farm Drive is under design. RGH performed a geotechnical study for the project and presented the results in a report, dated May 12, 2014. The project plans and specifications prepared by Coastland Civil Engineering, Inc. will be the guidelines for the work. The contractor has not been selected

Scope of Services: The scope of RGH's services is based on a review of the project plans and specifications, knowledge of the pavement section and subgrade soil conditions gained from our study for the project and experience obtained during construction of similar projects. The project specifications require the contractor to provide a Certificate of Compliance, a job mix formula (JMF), a JMF verification, and the Contractor's Quality Control (QC) Plan per Caltrans Section 39-2.02A. Acceptance Testing of the HMA is required to be in accordance with Section 39-2.03A with the modification that the acceptance testing and frequency shall be determined by the Engineer. At a minimum, prior to starting paving operations each day, Caltrans Test 309 (Rice specific gravity) results for the previous day's mix are to be provided to the Engineer along with the previous day's nuclear density gage testing results. Samples of the mix will be taken during paving. Accordingly we propose to provide our field and laboratory testing on an as requested basis in accordance with standard Caltrans testing protocol as follows:

- We will perform in-place densities of the HMA with a nuclear density gage in accordance with California Test 375, Parts 3 and 4.
- We will perform Acceptance Testing, as determined by the Engineer, in accordance with Section 39-2-03A

March 18, 2015

The results of our observations and testing will be made available to the contractor(s) on the job site so that timely corrective action might be taken, if required. Upon completion, we will summarize the results of our work in a letter report, including field and laboratory data.

Fee: RGH proposes to perform the services indicated above on a time-and-expense basis in accordance with the attached Schedule of Charges. The Schedule of Charges is subject to change by RGH on 30 days written notice to client. We estimate that 10 working days will be required to complete the digouts and overlay. On that basis our fee can be itemized as follows:

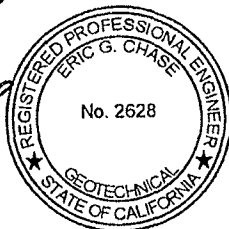
TASK OR COST ITEMS	VISITS UNITS	HRS/VISIT HRS/UNIT	COST/HR COST/UNIT	COST
Field Density Testing	10 visits	10 hrs	\$100/hr	\$10,000
Laboratory Testing				
- Initial Startup costs (one for each mix)	2 units	---	\$1,665/unit	\$3,330
- Daily Production costs (as requested by Engineer)	10 units	---	\$855/unit	\$8,550
Nuclear Density Tests	20 tests		\$12/test	\$240
Vehicle (Mobile Laboratory)	100 hrs		\$15/hr	\$1500
Project Administration, Report				\$2000
TOTAL ESTIMATED COST				\$25,620

AUTHORIZATION: We expect that you will submit a standard ACEC contract for our review and execution.

Very truly yours,
RGH Consultants

Keith S. Gregory
Keith S. Gregory
Project Manager

Eric G. Chase
Eric G. Chase
Geotechnical Engineer



KSG:EGC:kg:ec
Electronically submitted

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PREVAILING WAGE SCHEDULE OF CHARGES

March 18, 2015

Effective November 1, 2014

Unless agreed otherwise, work is charged for on a time and expense basis in accordance with the following schedule of charges:

PERSONNEL

Principal.....	\$175/hour
Senior Associate.....	\$160/hour
Associate	\$145/hour
Project Manager	\$150/hour
Senior Engineer.....	\$135/hour
Senior Geologist.....	\$130/hour
Project Engineer/Geologist.....	\$115/hour
Staff Engineer/Geologist	\$100/hour
Field Engineer	\$100/hour
Graphics	\$75/hour
Report Typing/Reproduction.....	\$60/hour

EQUIPMENT

Vehicle	\$15/hour
Nuclear Density Gauge	\$12/test
Water Level Indicator	\$35/day
Slope Inclinometer Instrument.....	\$150/day
Pachometer	\$25/day
Coring Machine	\$300/day
Stormwater Sampling Equipment.....	\$50/day
Specialty Software (i.e. SLOPE/W, EZ-FRISK, VolFlo)	\$25/hour

OTHER

Travel time is charged at regular rates. Vehicle mileage is charged at the current federal rate. For court appearance, expert witness testimony, or deposition the charge is \$235 per hour for the principal, associate, and project level professional and \$150 per hour for all others, payable in advance. Four and eight hour minimums apply for court appearance.

Time worked in excess of 8 hours per day and Saturday/night work will be charged at 1.5 times the hourly rate. Time worked in excess of 12 hours per day and Sundays/holidays will be charged at 2 times the hourly rate.

Outside services including laboratory analysis, consultants, subcontractors, equipment not listed above, outside reproduction, aerial photographs, meals, lodging, shipping and special equipment or services not listed above are charged at cost plus 20 percent.