

**CITY OF SANTA ROSA TRANSPORTATION AND PUBLIC WORKS
PROJECT WORK ORDER NO. A010017-2011-29A**

PROJECT NAME: **LOS ALAMOS TRUNK REPLACEMENT, STREAMSIDE DRIVE TO
ELAINE DRIVE ENVIRONMENTAL (CEQA) REVIEW AND DESIGN**

CITY PROJECT MANAGER: **ANDY WILT**

CONSULTANT PROJECT MANAGER: **DAVID LONG**

SCOPE OF SERVICE: See Consultant's Scope of Services/Proposal for Services and Fee Schedule dated April 10, 2018, attached as Exhibit B-1.

START DATE: **MAY 2018**

COMPLETION DATE: **DECEMBER 2019**

CHARGE NUMBER FOR PAYMENT: **70737**

NOT-TO-EXCEED AMOUNT FOR THIS PROJECT: **\$93,854.00**

*AD
5/18*

TERMS AND CONDITIONS: This Project Work Order is issued and entered into as of the last date written below in accordance with the terms and conditions set forth in the "Master Professional Services Agreement with Brelje & Race Consulting Civil Engineers, Agreement No. A010017," dated November 1, 2011, and "Project Work Order No. A010017-2011-29", dated November 15, 2015, which are hereby incorporated and made part of this Project Work Order. In the event of a discrepancy or conflict between the terms and conditions of the Project Work Order and the Master Agreement, the Master Agreement shall govern.

PROJECT WORK ORDER HISTORY

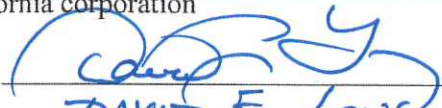
| | | |
|---|---------|---------------------|
| Original Project Work Order No. A010017-2011-29 | Amount: | \$496,463.00 |
| Amendment No. A010017-2011-29A | Amount: | <u>\$ 93,854.00</u> |
| | Total: | \$590,317.00 |

CITY OF SANTA ROSA,
A Municipal Corporation

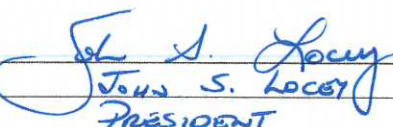
By: _____
Daniel J. Galvin III
Chair, Board of Public Utilities

Date: _____

BRELJE & RACE CONSULTING CIVIL ENGINEERS
A California corporation

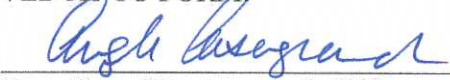
By: 
Name: DAVID F. LONG
Title: SECRETARY

Date: 5.2.18

By: 
Name: JOHN S. LOCOY
Title: PRESIDENT

Date: 5-2-18

APPROVED AS TO FORM

By: 
Santa Rosa City Attorney's Office

Attachments: Exhibit B-1 - Consultant's proposal and fee for services for this Project Work Order

Brelje & Race

CONSULTING ENGINEERS

April 13, 2018

Andrew Wilt
City of Santa Rosa
Capital Projects Engineering
69 Stony Circle
Santa Rosa, CA 95401

**Subject: Los Alamos Trunk Replacement, Streamside Drive to Elaine Drive
Environmental Review (CEQA) and Design Engineering Services
Amendment No. 1
Project Work Order No. A010017-2011-29
B&R File No. 4247.00**

Dear Andy:

Throughout the course of the project, we have been engaged with several items of work that are either an expansion of a task included in our agreement or are additional items of work that are beyond the originally defined scope. Following is a listing of those items with a brief description of the work that has been and /or still needs to be accomplished. Each item also has a fee listed, for which breakdowns are provided in the attached Task, Workhour and Cost Tabulation.

1. Additional Preliminary Design Alternative Workshop Meetings & Additional Study of Montgomery Drive Area: The work to produce a final Preliminary Design Report for the project portion followed a path and process that involved development and evaluation of many more alternatives than originally envisioned. Although this process included several additional rounds of meetings, presentations and comparison of the alternatives' pros and cons, the delivered product is robust and will serve as an excellent resource and framework for completing construction documents for future phases of the Los Alamos Trunk Sewer. (\$63,520)
2. Service Life Analysis, Arcadis Modeling Coordination & Data Review: Develop parameters for examining trunk sewer hydraulics and sizing needs over the entire service life of the pipe. Coordinate with City staff to have Arcadis perform additional modeling runs and evaluate output. (\$9,770)
3. Inverted Siphon Design & Cost Analysis: Develop new inverted siphon designs and cost comparisons for City consideration and incorporate approved design into Preliminary Design. (\$3,140)
4. Right-of-Entry Coordination for Preliminary Design Field Investigations: Arrange access across private properties for biological assessments, cultural resource assessments, and geotechnical explorations at creek crossing sites. (\$16,967.50)
5. CEQA Workplan Revision and Strategy Coordination: Develop strategy for modifying method of conducting CEQA Initial Study to Project Level for Segment 1 and Program Level for Segments 2, 3 and 4. Revise workplan to match new strategy. (CREDIT of \$14,220)

6. Additional and Unforeseen Geotechnical Work: Geotechnical exploration, testing and reporting to assess key areas of preferred alignment. (\$25,766)
7. Kathleen Court Boundary Work, Easement Encroachment Coordination and Community Development Agreement Meeting: Develop legal description and R-sheet exhibits for property along preferred alignment at creek crossing with existing structure that encroaches into existing sewer easement. Assist City with defining terms of development agreement with property owner. (\$6,355)
8. Design Refinement Based on Additional Survey & Record Information: Refine design for Segment 1 to incorporate and address recent supplementary surveys and record information provided by City at 75% design review meeting. (\$5,450)
9. ADA Deficiency Identification, Corrections, and Additional Curb Ramp Replacements: Approximately 15 mid-block crosswalks and pedestrian ramps (originally constructed between 2001 and 2004) and located along Quigg Drive do not appear to be in compliance with current ADA standards and will need to be improved as part of this project. Work will include field evaluation to identify the magnitude of non-compliance and field confirmation of the proposed design implementation prior to plan finalization. Any supplemental topographic surveys deemed necessary are assumed to be provided by the City. (\$27,775)
10. Unforeseeable Delay Due to Right of Entry Acquisition & Additional Preliminary Design: Work under Tasks 3.04, 4.04, 4.05, 8 and 9 has now been delayed for a period of several years. The project fee budget as originally proposed utilized 2015 rates which have since increased by between \$10 and \$25 per hour for staff assigned to the project. This adjustment assumes that these Tasks will be completed no later than March 1, 2018, the expiration of our 2018 Rate Schedule. (\$9,330)

We hereby request that a Project Work Order Amendment be processed in the amount of \$93,854 (time and materials not-to exceed basis). A copy of our current Services Rate Schedule is enclosed. This amendment request preserves the original \$38,188 contingency for possible future unforeseen work such as additional easement acquisition assistance and also includes a credit of \$60,000 for direct Right-of-Way Agent services that we no longer anticipate providing.

The schedule for completion of the project has been impacted by several factors, most notably the process to acquire the necessary right-of-entries for preliminary design surveys and exploratory work, easements for construction of Segment 1, and any remaining effort to create legal descriptions for the other Segments of the project that will be constructed at a later date. Since it is difficult to establish accurate time frames for these Tasks, we suggest the following milestone dates.

May 17, 2018: Board of Public Utilities adopts CEQA Initial Study / Mitigated Negative Declaration.

June 1, 2018: Submit draft easement legal descriptions for Segment 1.

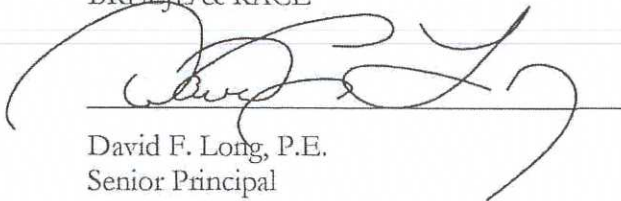
July 15, 2018: Submit 90% progress package

December 31, 2018: Right-of-Way acquisition for Segment 1 (assumes 6 month timespan for appraisals and negotiations beginning June 1, 2018).

February 1, 2019: Submit 100% documents package and final easement legal descriptions for Segment 1. This submittal will be considered suitable for use in bidding the project.

Very truly yours,

BRELJE & RACE



David F. Long, P.E.
Senior Principal

Los Alamos Trunk Replacement, Streamside Drive to Elaine Drive

Project Work Order No. A010017-2011-29

City of Santa Rosa

Amendment No. 1

TASK, WORK HOUR AND COST TABULATION

April 13, 2018

| TASK | HOURS | RATE | SUBTOTAL |
|---|-------|------|---------------------|
| 1 Additional Preliminary Design Alternative Workshop Meetings & Additional Study of Montgomery Drive Area (2016 Rate Schedule) | | | |
| Senior Principal, David Long | 28 | 195 | \$5,460.00 |
| Senior Engineer, Ben Bryant / Brent Beazor | 316 | 155 | \$48,980.00 |
| Senior Planner, Justin Witt | 10 | 140 | \$1,400.00 |
| CAD Technician | 64 | 120 | \$7,680.00 |
| Task Sub-Total | | | \$63,520.00 |
| 2 Service Life Analysis, Arcadis Modeling Coordination & Data Review (2016 Rate Schedule) | | | |
| Senior Principal, David Long | 4 | 195 | \$780.00 |
| Senior Engineer, Ben Bryant / Brent Beazor | 58 | 155 | \$8,990.00 |
| Task Sub-Total | | | \$9,770.00 |
| 3 Inverted Siphon Design & Cost Analysis (2016 Rate Schedule) | | | |
| Senior Principal, David Long | 4 | 195 | \$780.00 |
| Senior Engineer, Ben Bryant / Brent Beazor | 8 | 155 | \$1,240.00 |
| Engineer, Dyanna Stetina | 8 | 140 | \$1,120.00 |
| Task Sub-Total | | | \$3,140.00 |
| 4 Right-of-Entry Coordination for Preliminary Design Field Investigations (2016 Rate Schedule) | | | |
| Senior Principal, David Long | 2 | 195 | \$390.00 |
| Senior Engineer, Ben Bryant | 82 | 155 | \$12,710.00 |
| Senior Surveyor, Joe Story | 14 | 150 | \$2,100.00 |
| Survey Technician, Scott Simkins | 2 | 120 | \$240.00 |
| Two-man Field Survey Crew | 6.5 | 235 | \$1,527.50 |
| Task Sub-Total | | | \$16,968.00 |
| 5 CEQA Workplan Revision and Strategy Coordination (2016 Rate Schedule) | | | |
| Senior Principal, David Long | 8 | 195 | \$1,560.00 |
| Senior Engineer, Ben Bryant / Brent Beazor | 12 | 155 | \$1,860.00 |
| Senior Planner, Justin Witt | 24 | 140 | \$3,360.00 |
| CEQA Segments 2-4 Program Level Analysis (CREDIT) | | | -\$21,000.00 |
| Task Sub-Total | | | -\$14,220.00 |
| 6 Additional and Unforeseen Geotechnical Work (2017 Rate Schedule) | | | |
| Senior Principal, David Long | 4 | 200 | \$800.00 |
| Senior Engineer, Ben Bryant / Brent Beazor | 20 | 165 | \$3,300.00 |
| RGH Geotechnical Engineering Subconsultant | - | - | - |
| Prevailing Wage for Drilling Subcontractors | - | - | \$3,520.00 |
| Alternative Drill Rig for Hard Rock Coring | - | - | \$8,593.86 |
| Traffic Control for Melita Road Drilling | - | - | \$4,752.00 |
| Private Utility Locator | - | - | \$917.40 |
| County Permit Fees for Drilling | - | - | \$3,883.00 |
| Task Sub-Total | | | \$25,766.00 |

| 7 Kathleen Court Boundary Work, Easement Encroachment Coordination and Community Development Agreement Meeting (2017 Rate Schedule) | | | |
|--|-----------------|---------------|---------------------|
| Senior Principal, David Long | 4 | 200 | \$800.00 |
| Senior Engineer, Ben Bryant | 16 | 165 | \$2,640.00 |
| Senior Surveyor, Joe Story | 4 | 150 | \$600.00 |
| Engineer (Survey), John Navarro | 6 | 150 | \$900.00 |
| Survey Technician, Scott Simkins | 2 | 120 | \$240.00 |
| Two-man Field Survey Crew | 5 | 235 | \$1,175.00 |
| Task Sub-Total | | | \$6,355.00 |
| 8 Design Refinement Based on Additional Survey & Record Information (2018 Rate Schedule) | | | |
| Senior Principal, David Long | 2 | 205 | \$410.00 |
| Senior Engineer, Ben Bryant | 12 | 170 | \$2,040.00 |
| CAD Technician | 24 | 125 | \$3,000.00 |
| Task Sub-Total | | | \$5,450.00 |
| 9 ADA Deficiency Identification, Corrections, and Additional Curb Ramp Replacements (2018 Rate Schedule) | | | |
| Senior Principal, David Long | 8 | 205 | \$1,640.00 |
| Senior Engineer, Ben Bryant | 24 | 170 | \$4,080.00 |
| Engineer | 106 | 155 | \$16,430.00 |
| CAD Technician | 45 | 125 | \$5,625.00 |
| Task Sub-Total | | | \$27,775.00 |
| 10 Unforeseeable Delay Due to Right of Entry Acquisition & Additional Preliminary Design (Remaining Hours Difference Between 2015 & 2018 Rate Schedules) - Tasks 3.04, 4.04, 4.05, 8, 9 | | | |
| PERSONNEL | REMAINING HOURS | RATE INCREASE | SUBTOTAL |
| Senior Principal | 40 | 10 | \$400.00 |
| Senior Engineer | 140 | 25 | \$3,500.00 |
| Engineering Technician | 50 | 15 | \$750.00 |
| CAD Technician | 136 | 15 | \$2,040.00 |
| Senior Planner | 72 | 20 | \$1,440.00 |
| Senior Surveyor | 60 | 20 | \$1,200.00 |
| Task Sub-Total | | | \$9,330.00 |
| SUBTOTAL | | | \$153,854.00 |
| RIGHT-OF-WAY AGENT CREDIT | | | -\$60,000.00 |
| TOTAL REQUEST FOR AMENDMENT NO. 1 | | | \$93,854.00 |

SERVICES RATE SCHEDULE EFFECTIVE MARCH 1, 2018

PROFESSIONAL SERVICES

| | |
|--------------------------------|---------------|
| Senior Principal..... | \$205.00/hour |
| Senior Project Advisor | 200.00/hour |
| Associate Principal..... | 185.00/hour |
| Associate..... | 170.00/hour |
| Senior Engineer..... | 170.00/hour |
| Engineer..... | 155.00/hour |
| Engineering Technician..... | 130.00/hour |
| Senior Planner..... | 155.00/hour |
| Planner..... | 125.00/hour |
| Senior Surveyor..... | 155.00/hour |
| Surveyor..... | 135.00/hour |
| Survey Technician..... | 125.00/hour |
| CAD Technician..... | 125.00/hour |
| Construction Engineer..... | 145.00/hour |
| Construction Technician 2..... | 130.00/hour |
| Construction Technician 1..... | 100.00/hour |
| Technical Writer..... | 90.00/hour |

EXPERT WITNESS & MEDIATION SERVICES \$500.00/hour

FIELD SURVEYING

| | |
|---|---------------|
| One-man Party (Including Survey Equipment & Vehicle) | \$185.00/hour |
| Two-man Party (Including Survey Equipment & Vehicle) | \$240.00/hour |
| Three-man Party (Including Survey Equipment & Vehicle) | \$300.00/hour |

CLERICAL SERVICES \$75.00/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.