

**CITY OF SANTA ROSA TRANSPORTATION AND PUBLIC WORKS  
PROJECT WORK ORDER NO. A010135-2016-20B**

PROJECT NAME: **DESIGN SERVICES FOR CALISTOGA ROAD RECONSTRUCTION**

CITY PROJECT MANAGER: **PETER PORATA**

CONSULTANT PROJECT MANAGER: **SEAN JEANE**

SCOPE OF SERVICE: See Consultant's Scope of Services/Proposal for Services and Fee Schedule dated **March 13, 2026**, attached as Exhibit B-1.

START DATE: **MARCH 2026**

COMPLETION DATE: **SEPTEMBER 2027**

CHARGE NUMBER FOR PAYMENT: **55804**

NOT-TO-EXCEED AMOUNT FOR THIS PROJECT: **\$499,100** PJP GM  
PJP GM

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. A010135," dated October 11, 2016, and "Project Work Order No. A010135-2016-20," dated September 17, 2021, 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. A010135-2016-20	\$348,600.00
Amendment No. A010135-2016-20A	\$ 61,200.00
Amendment No. A010135-2016-20B	<u>\$499,100.00</u>
	<u>\$908,900.00</u>

CITY OF SANTA ROSA,  
A Municipal Corporation

By: \_\_\_\_\_  
Mark Stapp  
Mayor

Date: \_\_\_\_\_

BRELJE & RACE CONSULTING CIVIL ENGINEERS  
A California corporation

By: David Y. Coleman  
David Y. Coleman (Mar 16, 2026 09:10:01 PDT)

Date: 03/16/2026

Name: David Y. Coleman

Title: Vice-President

By: M. Sean Jeane  
M. Sean Jeane (Mar 16, 2026 09:46:02 PDT)

Date: 03/16/2026

Name: M. Sean Jeane

Title: Secretary

APPROVED AS TO FORM:

By: [Signature]  
Santa Rosa City Attorney's Office

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

AMENDMENT NO. 2  
TO ENGINEERING SERVICES

for

PID 2263 - CALISTOGA ROAD RECONSTRUCTION

CITY OF SANTA ROSA (CLIENT)

prepared by

BRELJE & RACE CONSULTING ENGINEERS (CONSULTANT)

MARCH 13, 2026

**BACKGROUND**

The original project, initiated in August of 2021, was limited to preparation of PS&E for the reconstruction of approximately 1.1 miles of AC paved roadway and base in Calistoga Road and associated ADA improvements. In February 2022 the City expanded the scope of the project to include improvements to existing sewer and water infrastructure in select locations within the project corridor. The project proceeded to near the 40% stage of design completion before being suspended. During the suspension, the City decided to use concrete pavement for the main travel lanes and AC paving for shoulders and the median. Due to the number of utilities within the corridor and the number of homes fronting the busy street, Brelje & Race suggested the City might consider using a full-depth reclamation (FDR) process for pavement rehabilitation in the main lanes instead. Using an FDR process was a likely to lower project construction time, complexity and cost, while also maintaining easy access to the numerous buried utilities. The City requested we prepare a presentation with exhibits for the City's consideration of those alternatives. This occurred in the spring of 2025. Two FDR options were researched and presented. One option uses all new AC for surfacing and the other option would rely on recycling most of the existing AC at a nearby location and reuse the recycled AC for the new surfacing. After the presentation, the City directed design to proceed using the first FDR option with new AC material rather than recycled AC.

During this decision-making period, the City requested Brelje & Race omit the planned 75% submittal phase to save time for completing the full design. As we had switched to the FDR process, it became apparent that additional discovery was needed to understand how the existing wet and dry utilities in the corridor could potentially be impacted considering the nearly 2 foot depth of the reclamation processes. With that in mind, utility locating was scheduled and performed. Additional geotechnical soil samples were also collected to ensure proper paving mix designs and subgrade treatment for the FDR pavement sections. The City also requested a Certified Access Specialist (CASp) review of all ADA improvements in the corridor.

The City then elected to add water and sewer utility segments to the previous list of utility upgrades, significantly increasing the utility replacements for the project. The utilities added increased the total length of water mains from 1,800± LF to 10,750± LF. Similarly, the additional sewer improvements increased total sewer being replaced from 350± LF to 2,460± LF. This has led to a significant increase in effort for preparing the plan and profile sheets. Other piping modifications and rerouting of piping have also been necessary to accommodate the changes. The final changes requested by the City included modifications to the striping plan, including addition of a mid-block crossing with a rectangular rapid flashing beacon (RRFB). Lastly, during the bidding, the City also elected to add twin conduits for the full length of the project. That change was provided via addendum to all plan holders. These changes resulted in a significant increase the engineering scope of services provided. A commiserate budget amendment for completing the full design services is presently requested, along with additional budget for providing bidding assistance and engineering services during construction.

Other running changes were made as design progressed. A summary of the extra services performed due to the scope changes follows:

#### EXTRA SERVICES

Other running changes were made as design progressed. A summary of the extra services performed due to the scope changes follows:

- Revise base mapping with updated topographic information covering the additional areas of utility or surface improvements
- Research and prepare exhibits for the potential use of FDR paving methods with comparison to concrete and traditional pavement replacement options. Geotechnical and subsurface locating services were subsequently needed in response to the City's determination to switch to FDR reconstruction methods. B&R staff prepared exhibits and attended the locating activities.
- Water Mains, Services and Hydrants – Create additional plan and profile sheets and/or views for the significant increase in water main utility improvements of various sizes. Conduct research into the existing depth of larger diameter utilities to ensure FDR process will not impact new utilities. Relocate utilities deeper or reroute to allow installation without interrupted service. Include valve lowering as needed to avoid conflicts during the FDR construction process.
- Sewer Mains – Create addition plan and profile views and estimate for approximately significant increase in lineal feet of sewer main improvements.
- Added ADA ramp, bus station or other sidewalk improvements. Include CASp review of ADA improvements and modify striping to include cycle track and RRFB devices. Other striping changes requested.
- Create updated cost estimates for added facilities improvements and research costs for implementing FDR pavement construction.
- Research and prepare specifications for using FDR processes.
- Time and effort expended for coordination with PG&E for potential utility relocations.
- Changes to specifications for potential soil and groundwater contamination learned to be present in some locations along the project, leading to the preparation of a Phase I ESA.
- Addition of twin conduits along the entire length of the project. Provided via contract addenda.

#### ENGINEERING SERVICES DURING CONSTRUCTION

The City has requested that bidding phase services and engineering services during construction be updated under this Amendment No. 2. A detailed description of the Engineering Services During Bidding and Construction are presented in the following:

##### **Engineering Services During Bidding**

- a. Respond to Contractor Questions
- b. Prepare Contract Addenda

##### **Engineering Services During Construction**

- a. Administration of Consultant Services
  - i. Provide contract administration including cost monitoring and preparation of monthly billing

to the City.

b. Project Coordination & Correspondence

- i. Coordinate necessary design information and design modifications with others as directed by the City.
- ii. Periodically monitor construction progress through review of daily inspection reports and photos prepared by others as requested by the City.
- iii. Provide status updates on significant issues to the Construction Manager and the City that are brought to the attention of BRCE during construction. As requested, correspond with the City, and Construction Manager to revolve evident construction defects that need to be addressed to comply with the contract document requirements.

c. Schedule Coordination, Progress Meetings & Site Visits

- i. Attend the preconstruction meeting including:
  - o Review and provide comments on the draft pre-construction meeting agenda prepared by the Construction Manager.
  - o Provide responses and clarification to questions at the conference as requested by the Construction Manager and review the Construction Manager's minutes from the meeting.
- ii. Attend weekly on-site Construction Progress Meetings or as invited.
- iii. Inform the City and Construction Manager of important or pending issues that affect the design or design intent.
- iv. Additional Site Visits
  - o Attend additional site visits not occurring at the same time as a weekly progress meeting as requested by the City or Construction Manager.
  - o Coordinate site visits for special review of completed ADA work by CASp specialist.

d. Change Order Support & Claims Assistance

- i. Review claims as directed by the City.
- ii. Review and comment on proposed change orders as directed by the City.

e. Submittals Review

- i. Review and comment on the submittal distribution list to be prepared, handled, and updated by the Construction Manager.
- ii. Review construction material, work plan, sequence of operation, and bypass pumping submittals, as requested.

f. Requests for Information

- i. Review Requests for Information (RFIs) from the Contractor as directed by the City or Construction Manager.
- ii. Comment and review responses to RFIs as directed by the City.

g. Contract Closeout

- i. Review record drawings prepared by the Construction Manager and provide comment.

## FEES

Considerable extra services have been expended to modify and update the Calistoga Road Reconstruction PS&E, which have now been through several additional review rounds but have been fully completed and the project successfully bid. The fees associated with the extra services are presented below:

Brelje & Race Additional Fees for Added Scope:	\$367,700.00
CASp Review Fees:	\$ 900.00
Geotechnical Investigations for FDR Design:	\$ 11,600.00
Subsurface Investigation:	\$ 3,400.00
Phase I ESA:	<u>\$ 5,500.00</u>
<b>TOTAL EXTRA SERVICES:</b>	<b>\$389,100.00</b>

In addition to the extra services performed to date, construction related engineering services have been estimated using a Task, Work Hour and Cost Tabulation worksheet (attached). The worksheet includes the staff who have been assigned to this project who are most familiar, and includes current services rates (2026 Schedule attached). From the estimate, the construction related fees are estimated at **\$110,000.00**, and includes a 5% contingency. The contingency amount is \$5,200.00 and would not be used without prior, written consent from the City. It should be noted that a portion of the bid phase services were already completed and have been included in the Extra Services total above (all work through end of February). Several hours in March that have already been expended to complete the addendums but not captured in the extra services have been included in the Worksheet (actual hours).

Combined, the current amendment request totals **\$499,100.00**. The estimated hours for construction services accounts for numerous RFIs and Submittal responses and includes time for attendance at up to 30 jobsite meetings or other needed site visits. Special inspections from the CASp for ADA ramp compliance have also been included. All hours are estimates based on the length of the project and our anticipated involvement.

## ASSUMPTIONS AND LIMITATIONS

1. City will perform or contract construction management, inspection, special inspections, and testing services with others, except as noted.
2. Contractor time on the job site will be 320 working days total (approximately 64 weeks) occurring roughly between June, 2026 and August, 2027.
3. Up to two (2) addenda will be required during bidding (including addition of Conduit run).
4. Up to twenty-five (25) material submittals will be reviewed with a maximum of one (1) re-submittal each.
5. Up to twenty-five (25) RFIs will be reviewed.
6. Attendance at up to thirty (30) weekly on-site progress meetings will be made by Brelje & Race Engineering staff during construction, as requested.
7. Up to five (5) site visits not occurring at the same time as a weekly on-site progress meeting will be made by Brelje & Race Engineering staff.
8. Construction staking will be the responsibility of the Contractor.

**Calistoga Road Reconstruction - Engineering Services During Construction**  
 City of Santa Rosa  
**TASK, WORK HOUR and COST TABULATION**  
 March 13, 2026

TASK	DESCRIPTION	WORKHOURS													
		Senior Principal	Associate Principal	Managing Engineer	Engineer II	Engineering Technician II	Engineering Technician I	CAD Technician Supervisor	CAD Designer	Clerical	Construction Technician I	Subconsultant (\$) RGH	Subconsultant (\$) Subtronic	Subconsultant (\$) Ph 1 ESA	Subconsultant (\$) Cooley Arch.
		Jeane	Bryant	Ferrol	Urbanek	Barnard	Yarbrough	Erickson	Staff	Tallman	Maher	Geotech	Subsurface	EBA	CASp
<b>1</b> PS&E Preparation	1.01 PS&E Design Services (75% to 100%)	90	13	3	540	311	480	9	23	41	60				
	1.02 Extra Services (FDR Memorandum, Field Studies)	19	1		65	106	36			5		\$11,600	\$3,400	\$5,500	\$900
	1.03 Bid Period Addendas (Feb 1. thru Feb. 28, 2026)	12			31	31	2			2					
	<b>Subtotal</b>	<b>121</b>	<b>14</b>	<b>3</b>	<b>636</b>	<b>448</b>	<b>518</b>	<b>9</b>	<b>23</b>	<b>48</b>	<b>60</b>	<b>\$11,600</b>	<b>\$3,400</b>	<b>\$5,500</b>	<b>\$900</b>
<b>Total Hours</b>		121	14	3	636	448	518	9	23	48	60	N/A	N/A	N/A	N/A
<b>Hourly Rate</b>		\$275	\$255	\$240	\$215	\$185	\$175	\$180	\$170	\$105	\$155	N/A	N/A	N/A	N/A
<b>Subtotal Cost</b>		\$33,275	\$3,570	\$720	\$136,740	\$82,880	\$90,650	\$1,620	\$3,910	\$5,040	\$9,300	\$11,600	\$3,400	\$5,500	\$900
<b>TOTAL PS&amp;E</b>		<b>\$389,100</b>													
<b>2</b> Bid Phase & Construction Support Services	2.01 Construction Services Administration	16													
	2.02 Project Coordination and Correspondence	4			20										
	2.03 Bid Period RFI & Questions Responses (Addenda)	8			24	20	16								
	2.04 Attend Preconstruction Meeting	2			2										
	2.05 Construction RFI Response/Plan Revisions	10			48	24			24	8					
	2.06 Shop Submittals Review/Response	8			40	20	20			8					
	2.07 Change Order Support/Claims Assistance	20			20					8					
	2.08 Special Inspections/Weekly Jobsite Meetings	8			44	8	8								\$5,500
	2.09 Record Drawings/Closeout	4			12					2					
	<b>Subtotal</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>210</b>	<b>72</b>	<b>44</b>	<b>0</b>	<b>24</b>	<b>26</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$5,500</b>
<b>Total Hours</b>		80	0	0	210	72	44	0	24	26	0	N/A	N/A	N/A	N/A
<b>Hourly Rate</b>		\$285	\$265	\$250	\$225	\$190	\$180	\$185	\$175	\$110	\$155	N/A	N/A	N/A	N/A
<b>Subtotal Cost</b>		\$22,800	\$0	\$0	\$47,250	\$13,680	\$7,920	\$0	\$4,200	\$2,860	\$0	\$0	\$0	\$0	\$5,500
<b>SUBTOTAL CA</b>		<b>\$104,210</b>													
CONTINGENCY 5%		\$5,200													
REPRO & PLOT		\$0													
SUBCONSULTANT MARK-UP 10%		\$550													
<b>TOTAL CA</b>		<b>\$110,000</b>													
<b>GRAND TOTAL</b>		<b>\$499,100</b>													

\$305,555  
 \$67,290  
 \$16,260  
**\$389,105**

\$4,560  
 \$5,640  
 \$14,360  
 \$1,020  
 \$23,290  
 \$19,560  
 \$11,080  
 \$20,640  
 \$4,060  
**\$104,210**

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## SERVICES RATE SCHEDULE EFFECTIVE MARCH 1, 2026

### PROFESSIONAL SERVICES

Senior Principal.....	\$285.00/hour
Associate Principal.....	265.00/hour
Associate (Managing Engineer).....	250.00/hour
Senior Project Advisor.....	250.00/hour
Senior Engineer.....	245.00/hour
Engineer II.....	225.00/hour
Engineer I.....	210.00/hour
Engineering Technician II.....	190.00/hour
Engineering Technician I.....	180.00/hour
Senior Planner.....	210.00/hour
Planner.....	175.00/hour
Senior Surveyor.....	210.00/hour
Surveyor.....	195.00/hour
Senior Survey Technician.....	185.00/hour
Survey Technician.....	165.00/hour
CAD Technician Supervisor.....	185.00/hour
CAD Designer.....	175.00/hour
CAD Technician.....	160.00/hour
Engineering Intern.....	130.00/hour
Construction Engineer.....	200.00/hour
Construction Technician II.....	185.00/hour
Construction Technician I.....	170.00/hour
Technical Writer.....	140.00/hour

**EXPERT WITNESS & MEDIATION SERVICES** \$600.00/hour

### FIELD SURVEYING

One-man Party (Including Survey Equipment & Vehicle)	\$315.00/hour
Two-man Party (Including Survey Equipment & Vehicle)	\$400.00/hour
Three-man Party (Including Survey Equipment & Vehicle)	\$525.00/hour

**CLERICAL SERVICES** \$110.00/hour

**OUTSIDE CONSULTANTS** Cost + 10% Handling Charge

**OUTSIDE PLOTTING AND REPRODUCTION** Cost + 10% Handling Charge

### IN-HOUSE PLOTTING

Vellum or Bond	\$10.00/sheet
Mylar	25.00/sheet

### Note

To maintain transparent and predictable billing, Brelje & Race's hourly rates include vehicle usage, surveying materials, incidental consumables, computer hardware, computer software, and information technology costs.











# A010135-2016-20B Design Services for Calistoga Road Reconstruction

Final Audit Report

2026-03-16

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By:	Joyce Brandvold (JBrandvold@srcity.org)
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-  Document created by Joyce Brandvold (JBrandvold@srcity.org)  
2026-03-13 - 10:55:19 AM PDT
-  Document emailed to pporata@srcity.org for approval  
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-  Email viewed by pporata@srcity.org  
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-  Signer pporata@srcity.org entered name at signing as Peter Porata  
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-  Document emailed to gmariscal@srcity.org for approval  
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-  Email viewed by gmariscal@srcity.org  
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-  Document approved by Gregory Mariscal (gmariscal@srcity.org)  
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Final Audit Report

2026-03-16

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-  Document created by Joyce Brandvold (JBrandvold@srcity.org)  
2026-03-16 - 7:39:19 AM PDT
-  Document emailed to coleman@brce.com for signature  
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-  Email viewed by coleman@brce.com  
2026-03-16 - 9:05:42 AM PDT
-  Signer coleman@brce.com entered name at signing as David Y. Coleman  
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Signature Date: 2026-03-16 - 9:10:01 AM PDT - Time Source: server
-  Email viewed by jeane@brce.com  
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-  Signer jeane@brce.com entered name at signing as M. Sean Jeane  
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-  Document e-signed by M. Sean Jeane (jeane@brce.com)  
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# A010135-2016-20B Design Services for Calistoga Road Reconstruction

Final Audit Report

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-  Document created by Joyce Brandvold (JBrandvold@srcity.org)  
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-  Document e-signed by Hannah Ford-Stille (hfordstille@srcity.org)  
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