

ATTACHMENT 2

CITY OF SANTA ROSA TRANSPORTATION AND PUBLIC WORKS
PROJECT WORK ORDER NO. A010119-2016-01

PROJECT NAME: DESIGN SERVICES US HIGHWAY 101 – BICYCLE AND PEDESTRIAN
BRIDGE

CITY PROJECT MANAGER: CHRIS CATBAGAN, P.E.

CONSULTANT PROJECT MANAGER: GORDON SWEET, P.E.

SCOPE OF SERVICE: See Consultant’s Scope of Services/Proposal for Services and Fee Schedule dated April 18, 2017, attached as Exhibit B-1.

START DATE: JUNE 2017

COMPLETION DATE: OCTOBER 2018

CHARGE NUMBER FOR PAYMENT: 17381

NOT-TO-EXCEED AMOUNT FOR THIS WORK ORDER: \$907,559.00

✓
CCG OK
2017/04/24
JCM

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 BKF Engineers, Agreement No. A010119,” dated October 11, 2016, which is 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.

CITY OF SANTA ROSA,
A Municipal Corporation

By: _____
Chris Coursey
Mayor

Date: _____

BKF Engineers,
A California corporation

By: _____
Name: Natalina V. Bernardi
Title: Principal / Vice President

Date: 4/26/17

By: _____
Name: Linda Schmid
Title: CFO

Date: 4/26/17

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



April 18, 2017

Chris Catbagan, P.E.,
City of Santa Rosa
Transportation and Public Works Department
69 Stony Circle
Santa Rosa, CA 95401

**Subject: City of Santa Rosa: Design Engineering Services
US Highway 101-Bicycle and Pedestrian Bridge
Proposal**

Dear Mr. Catbagan:

It is with continued interest and excitement that we are responding to your request for proposals pertaining to the City of Santa Rosa (City) Request for Proposal for the Civil Engineering Services for the Design Engineering Services US Highway 101-Bicycle and Pedestrian Bridge.

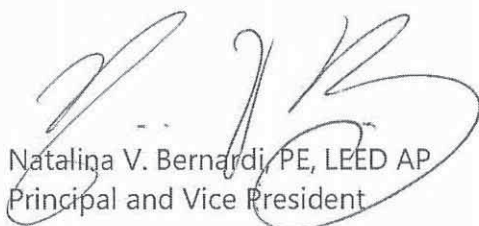
Please find enclosed the following:

- Scope of services
- Project Schedule
- Fee Proposal

The fee proposal is for a total not to exceed amount of \$907,559

We appreciate the opportunity to submit our proposal and look forward to continuing to work with you on this exciting Project.

Sincerely,
BKF Engineers



Natalina V. Bernardi, PE, LEED AP
Principal and Vice President

4/18/17

SCOPE OF SERVICES

City of Santa Rosa: Design Engineering Services for US Highway 101 Bicycle and Pedestrian Bridge

BKF Engineers (BKF) understands that the City of Santa Rosa (City) is seeking to complete the Project Approval and Environmental Document phase for the Project, which proposes to construct a pedestrian and bicycle overcrossing structure across US 101 in the area south of the Steele Lane Interchange and north of the College Ave Interchange.

BKF will provide the services described herein. The Scope of Services is divided into seven major tasks described as follows:

- TASK A.1 Project Management
- TASK A.2 Project Coordination
- TASK A.3 Community Outreach/Public Communications
- TASK A.4 Project Funding Planning
- TASK B.1 Preliminary Engineering
- TASK B.2 Project Report
- TASK B.3 Environmental Clearance

The scope of services and deliverables to be provided by BKF for each task are as follows:

Task A.1 Project Management

- General Project Administration and Project Management Activities
- Assure Compliance with Federal, State (PDPM), and City Design, Guidelines and Procedures/Standards
- Prepare, Maintain and Update Critical Path Method (CPM) Schedule
- Supervise and Monitor Design
- Establish and Implement Quality Control Procedures
- Establish and Implement Document Control Procedures (Caltrans Uniform File System)
- Conduct Kick-Off Meeting to Finalize Scope/Schedule and Discuss Project Goals, Opportunities, Constraints, Information Needs, Roles, Responsibilities and Expectations
- Prepare and Submit Correspondence, Memos and Meeting Agenda and Minutes
- Prepare and Submit Submittal and Action Logs and JRT Response to Comments Documents
- Prepare and Maintain Budgets for Each Task and Milestone for the Project
- Prepare and Submit Monthly Progress Reports and Schedules with Invoices

Deliverables:

- Meeting Agendas, Minutes, Action Item Logs, Submittal Logs, Data Request Logs, and Joint Resolution Team (JRT) Response to Comments Documents

- Graphics and Exhibits for Kick-Off and Coordination Meetings
- CPM Schedule
- Project Budgets and Updates
- Invoices with Monthly Progress Reports and Schedule of Work
- Project QA/QC Program

Task A.2 Project Coordination

- Attend/Oversee PDT Meetings with Caltrans and City
- Attend/Oversee Project Coordination/Focus Meetings with City/Stakeholders
- Participate/Lead Project Coordination Conference Call Meetings with City/Stakeholders
- Assure Timely Flow of All Project Information
- Coordinate Design, Major Project Elements, and Decisions that May Provide Design Input, Suggestions and Constraints for Project with All Team Members (Consultants, City and Caltrans) and all Stakeholders (Agency/Committees, SCTA, Property Owners, Stakeholders, and Utility Companies)
- Coordinate Process, Approach, and Design to Formally Include/Consider an Additional Viable Build Project Alternative (Outside of Elliot/Edwards Corridor) as part of Project Approval and Environmental Document Phase (PA&ED)

Deliverables:

- See Various Meeting Deliverables under Task A.1
- See PA&ED Deliverables Under Task B

Task A.3 Community Outreach/Public Communications

- Plan, Schedule, Attend, Lead and Oversee the Following Public (Community Outreach) Meetings:
- Public Meeting No. 1: Assumed to Cover Community Workshop
 - Public Meeting No. 2: Assumed to Cover NEPA/CEQA Environmental Public Hearing/Open House
 - Public Meetings No. 3 & No. 4: Assumed to Cover Additional Community Outreach Related to the Project, Including, but not Limited to Neighborhood, City Committee, Council or "Other" Stakeholder Meetings

Undertake, Lead, Coordinate and Document Community Outreach Meetings, Including Bi-Lingual (Spanish) Representation and Documentation, Including the Following Objectives/Tasks to be Conducted in the 4 meetings:

- Review PID Alignment and Reconnect with Community and Obtain Input on Needs, Goals, Concerns, Benefits, and Issues, Including Origin/Destination Preferences, Locations, and Adjacency (Land Use) Constraints
- Present Refined Alternative Alignments, Review Constraints/ Opportunities, Discuss Comparison Matrix, and Attempt to Build Community Consensus on an Alternative Prepare Meeting Exhibits, Handouts and Information

- Present/Discuss Bridge Architectural and Structural Alternatives to Attempt to Build Community Consensus on an Alternative
- Flush-Out Environmental Clearance Requirements and Educate Public on the CEQA/NEPA Environmental Process and Circulation/ Comment on the DED
- Coordinate and Provide Project Information for City's Project Website

Deliverables:

- Color Schematics, Files, Images and Documents for All Environmental/Public Outreach Meetings
- Monthly Project Data, Files, Tables, and Information for City Project Website
- See Various Meeting Deliverables Under Task A.1

Task A.4 Project Funding Planning

- Coordinate, Identify, Provide Support, and Pursue Local, State and Federal Grants/Funding Sources, Including Planning and Programming Assistance Services
- Plan and Provide for Contract and Project Development Requirements in Anticipation of Federal Funding per Caltrans LAPM (Chapter 10)
- Provide Guidance and Consultation Services to Assist City in Understanding/Programming Funds/Requirements for Future PS&E, R/W, and Construction Phases.

Deliverables:

- Disseminate Project Information, Exhibits, and Applications in Support of Local, State and Federal Funding/Grant Opportunities

Task B.1 Preliminary Engineering

Task B.1.1 Gather Information

- Research, Obtain and Review Available Project Information (Reports, Studies, Traffic Collision Records, As- Builts, County Data, Environmental Documentation, and R/W, Utility, and Roadway Record Information) to Confirm Conditions, Constraints and Opportunities
- Conduct Field Investigations and Site Visits to Verify Field Conditions
- Conduct Survey Control and Place Panels
- Prepare Aerial Planimetric Topographic Mapping utilizing a City November 2015 flight
- Conduct Supplemental Field Topographic Survey
- Compilation of Information and Preparation of Preliminary Design Base Sheets and Plan Sheets for PA&ED Development
- Collect New Vehicle Turning Movement Counts in Support of Traffic Report (Memo)
- Conduct Geotechnical Site Recon/USA Markings, Traffic Control, Drillings (2 Mud Rotary and 2 CPTs to a Depth of up to 100'), Laboratory Testing, and Analysis in Support of Preliminary Geotechnical/ Foundation Report (PGR/PFR)

- Conduct Preliminary Site Investigation (PSI) in support of the Initial Site Assessment Phase I related to Potential Hazardous Wastes in Project Area, including Agency Request/EDR Coordination, Agency Record Reviews and Interviews, Site Recon, Hazardous Disclosure Document Preparation, and Preparation of ISA Plates/Graphics.
- Prepare Digital 3D Base Model
- Prepare Graphic Site Analysis Plans w/ Updated Content and New Development Information

Deliverables:

- Aerial Planimetric Topographic Files (AutoCAD)
- R/W, Utility, and Topographic Design Base Sheets and Plan Sheets (AutoCAD)
- Digital 3D Model

Task B.1.2 Geometric Plans

- Expand on Previous Studies and Further Define Viable Alternative(s) while Considering Engineering Related Issues Including horizontal/vertical geometrics, structures, civil, mechanical, electrical, geotechnical, traffic, hydraulics, design standards, maintenance, R/W
 - Re-Evaluate and Refine Existing Geometric Alternative (Elliott/Edwards Ave. Corridor)
 - Develop New Viable Geometric Alignment Alternative (Outside Elliott/Edwards Ave. Corridor)
- Evaluate Implementation of Design Standards/Guidelines Standards, Including Caltrans Design Standards (HDM and Design Information Bulletins), Complete Street Implementation Action Plan and Context Sensitivity), AASHTO Bicycle Design Guidelines and City Design Standards
- Conduct Alternative Analysis on Feasibility/Viability of Geometric Alternatives
- Identify Non-Standard Design Features (Inside and Outside State Highway System)
- Prepare Preliminary Base Maps and Plan Sheet Exhibits of Alternatives (Layout, Horizontal Control, Profile, Structure Locations, Typical Sections, R/W, Utility, and Related Info)
- Conduct Value Analysis to Investigate and Identify Potential Cost-Saving Measures
- Prepare Preliminary Cost Estimate (Caltrans 11-Page Format)
- Develop Project Alternatives Matrix/Overview
- Refine/Update/Incorporate Comments on Alternatives, Costs and Matrix
- Identify Viable Geometric Alternatives for PA&ED
- Develop 3D Models of Alternative Alignments and refine preliminary 3D visualizations
- Develop presentations graphics and visualizations for 3rd & 4th public meeting and VIA

Deliverables:

- DIB 78-03 and 82-05
- Draft/Final Alternative Matrix, Base Map/Plan Sheet Exhibits, and Costs
- JRT Response to Comments
- Public Meeting No. 3 Presentation Graphics
- Public Meeting No. 4 Presentation Graphics

- VIA Graphics
- 3D Visualizations

Task B.2 Project Report

Task B.2.1 Draft Engineering Studies

Coordinate, Develop, and Prepare Draft Engineering Studies in Support of DPR and DED:

- PA&ED Geometric Plans (Layout, Profile, and Typical Sections) for two Project Alternatives
- Preliminary Drainage Report (PDR)
- Traffic Report (Memorandum)
- R/W Data Sheet
- Preliminary Geotechnical Report/Foundation Report (PGR/PFR)
- Structures Advance Planning Study (APS)
- Storm Water Data Report (SWDR)
- Transportation Management Plan (TMP)
- Risk Management Plan (RMP) and Risk Register
- Project Purpose and Need Narrative
- Cost Estimate (Caltrans 11-Page Format)
- Perform QA/QC Review of Engineering Studies

Deliverables:

- Engineering Studies, Plans, Exhibits, and Narratives
- JRT Response to Comments

Task B.2.2 Exceptions to Design Standards

- Based on PID Design Standard Risk Assessment Table, Prepare Fact Sheet (FS) Exception to Mandatory and Advisory Design Standards for Preferred Alternative
- Prepare Request for Longitudinal (or Other) Utility Encroachment Exception (LUEE)

Deliverables:

- Fact Sheet Exceptions to Mandatory Design Standards (Draft/Final)
- Fact Sheet Exceptions to Advisory Design Standards (Draft/Final)
- Request for LUEE (Draft/Final)

Task B.2.3 Draft Project Report

- Prepare DPR Narratives/Sections per Caltrans PDPM– Appendix K
- Update Engineering Studies, Attachments, Documents/Exhibits for DPR
- Prepare and Submit Administrative Draft Project Report (A-DPR) to City and BKF Team
- Coordinate/Incorporate Comments and Prepare/ Submit Draft DPR (D-DPR) to City/Caltrans
- Coordinate/Incorporate Comments and Prepare/ Submit DPR for Signature/Circulation

Deliverables:

- Administrative DPR/Attachments
- Draft DPR
- DPR
- JRT Response to Comments Documents

Task B.2.4 Final Project Report

- Review, Assess, and Incorporate Public/City/Caltrans Comments from DED and DPR into Final Project Report
- Finalize Engineering Studies/Attachments to FPR
- Conduct Final Analysis Alternative Analysis and Identify Recommended or Preferred Alternative
- Prepare and Submit Administrative Final Project Report (A-FPR) to City and BKF Team
- Coordinate/Incorporate Comments and Prepare/Submit Draft FPR (D-FPR) to City/Caltrans
- Coordinate/Incorporate Comments and Prepare/Submit FPR for Signature/Circulation

Deliverables:

- Administrative FPR
- Draft FPR
- FPR
- JRT Response to Comments Documents

Task B.3 Environmental Clearance

Task B.3.1 Administrative Draft Environmental Document

- Prepare Draft Project Description based on 1 Build Alternative
- Coordinate w/ PDT and Identify Purpose & Need
- Prepare Project Location, Vicinity & APE Map
- Conduct Site Visit and Prepare Arborist Report
- Incorporate Technical Study Information, Findings & Results
- Prepare Administrative Draft Initial Study
- Also See Tasks/Activities in Community Outreach/ Public Coordination

Deliverables:

- Draft Project Description
- Purpose and Need Narrative
- Project Location, Vicinity & APE Map
- Arborist's Report
- Administrative Draft Initial Study

Task B.3.2 Technical Studies

- Noise Study Report (NSR) and if applicable, Noise Abatement Decision Report (NADR)
- Air Quality Report (Project Level Conformity)(AQR)
- Natural Environmental Study, Minimal Impact (NES-MI)
- Historic Properties Survey Report (HPSR)
- Paleontological Identification Report (PIR)
- Visual Impact Assessment (VIA)
- Community Impact Assessment (CIA)
- Initial Site Assessment (ISA) Phase 1
- Water Quality Assessment Report (WQAR)
- Geotechnical Investigation (PGR/PFR)

Deliverables:

- Technical Studies described above

Task B.3.3 Public Draft Environmental Document (DED)

- Revise and Finalize Technical Reports (following City and Caltrans Review)
- Revise Initial Study (IS) (City Review)
- Prepare and File Notice of Intent (NOI) to Adopt CEQA MND
- Conduct Public Circulation, Including Participating in Public Hearing for Comment on DED
- Also See Tasks/Activities in Community Outreach/Public Communication

Deliverables:

- Initial Study
- NOI

Task B.3.4 Final Environmental Document

- Coordinate w/ PDT and Respond/Incorporate Public Comments on DED
- Prepare Final Initial Study/MND
- Coordinate w/ Caltrans to Prepare NEPA Categorical Exclusion
- File Notice of Determination (NOD)

Deliverables:

- Public Comment Responses
- IS/MND
- NOD

Work to Be Performed by Others

BKF will provide information in support of the following work performed by others:

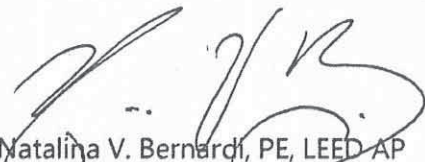
1. City to Provide Right of Way Agent to Sign the Right of Way Certification Form
2. City to Provide Circulation of Notices for Public/Community Meetings

Assumptions

This Scope of Services is based on the following assumptions:

1. A Caltrans Value Analysis Study will not be required
2. A Caltrans Pavement Life Cycle Cost Analysis (LCCA) is not required
3. Caltrans will issue a no Cost Encroachment Permit to BKF to perform engineering and survey services related to the Project
4. The Environmental Document will evaluate one Design Alternative
5. Utility Potholing will be performed as an optional service not included in this base Scope of Services

BKF Engineers


Natalina V. Bernardi, PE, LEED AP
Principal and Vice President

**Santa Rosa
Highway 101 - Bicycle and Pedestrian Bridge**

ID	Task Name	Duration	Start	Finish	Qtr 1, 2017 Jan	Apr	Qtr 3, 2017 Jul	Oct	Qtr 1, 2018 Jan	Apr	Qtr 3, 2018 Jul	Oct
1	Santa Rosa Highway 101 - Bicycle & Pedestrian Bridge	347 days	Tue 6/6/17	Fri 10/5/18								
2	Notice to Proceed	0 days	Tue 6/6/17	Tue 6/6/17								
3	Task A1: Project Management	347 days	Tue 6/6/17	Fri 10/5/18								
4	Project Kick off Meeting	0 days	Wed 6/14/17	Wed 6/14/17								
5	Supervise and Monitor Design	347 days	Tue 6/6/17	Fri 10/5/18								
6	Prepare Monthly Progress Reports, Invoicing and Project Logs	347 days	Tue 6/6/17	Fri 10/5/18								
7	Prepare and Maintain Updated CPM Schedule and Document Control Procedures	347 days	Tue 6/6/17	Fri 10/5/18								
8	Manage and Implement Project Quality Control Procedures	347 days	Tue 6/6/17	Fri 10/5/18								
9	Task A2: Project Coordination	347 days	Tue 6/6/17	Fri 10/5/18								
10	Project Trend, PDT, and Progress Meetings and Reporting	347 days	Tue 6/6/17	Fri 10/5/18								
11	Coordination with Agencies and Project Team Members	347 days	Tue 6/6/17	Fri 10/5/18								
12	Task A.3 Community Outreach	319 days	Wed 7/15/17	Tue 9/25/18								
13	Public Workshop and Environmental Scoping Meeting - Community Meeting #1	2 wks	Mon 7/24/17	Fri 8/4/17								
14	Assemble Existing Materials	2 wks	Wed 7/15/17	Tue 7/18/17								
15	Circulation of Notifications	2 wks	Wed 7/12/17	Tue 7/25/17								
16	Public Workshop and Scoping Meeting	0 days	Thu 7/27/17	Thu 7/27/17								
17	Bicycle Coalition Meeting / Community Meeting	22 days	Fri 8/25/17	Mon 9/25/17								
18	Prepare Materials to Present Refined Alignments	4 wks	Fri 8/25/17	Thu 9/21/17								
19	Bicycle Coalition Meeting	0 days	Mon 9/25/17	Mon 9/25/17								
20	Environmental Open House and Public Hearing	12 days	Fri 3/30/18	Mon 4/16/18								
21	Update Materials and Prepare Bridge and Environmental Graphics	1 wk	Fri 3/30/18	Thu 4/5/18								
22	Circulation of Notifications	2 wks	Mon 4/16/18	Mon 4/16/18								
23	Public Hearing	0 days	Mon 9/17/18	Tue 9/25/18								
24	Final Presentation - City Council / Community Meeting	7 days	Mon 9/17/18	Fri 9/21/18								
25	Update Graphics	1 wk	Tue 9/25/18	Tue 9/25/18								
26	City Council Meeting	0 days	Fri 10/20/17	Thu 12/14/17								
27	Task A4: Funding Planning	40 days	Fri 10/20/17	Thu 12/14/17								
28	Identify Funding Sources and Opportunities	1 mon	Fri 10/20/17	Thu 11/16/17								
29	Assist with Funding Understanding and Requirements	1 mon	Fri 11/17/17	Thu 12/14/17								
30	Task B1.1: Preliminary Investigations	80 days	Thu 6/15/17	Thu 10/5/17								
31	Data Gathering (As-Builts, Utilities, Reports, and Plans)	2 wks	Thu 6/15/17	Wed 6/28/17								
32	Review of Existing Data and Reports/Field Reviews	2 wks	Thu 6/29/17	Thu 7/13/17								
33	Encroachment Permit / Rights of Entry	30 days	Thu 6/15/17	Thu 7/27/17								
34	Obtain Caltrans Encroachment Permit	4 wks	Thu 6/15/17	Thu 7/13/17								
35	Obtain Rights of Entry for Private Parcel Investigations	6 wks	Thu 6/15/17	Thu 7/27/17								
36	Supplemental Topography / Field Surveys	3 mons	Fri 7/14/17	Thu 10/5/17								
37	R/W and Utility Mapping and Investigations	20 days	Fri 7/14/17	Thu 8/10/17								
38	Perform R/W Mapping	2 wks	Fri 7/14/17	Thu 7/27/17								
39	Review Utility As-Builts / Incorporate into Base Mapping	2 wks	Fri 7/14/17	Thu 7/27/17								
40	Identify Utility Conflicts	2 wks	Fri 7/14/17	Thu 7/27/17								
41	Task B1.2: Geometric Alternatives	75 days	Fri 7/14/17	Thu 10/26/17								
42	Perform Geometric and Alternative Refinements	2 wks	Fri 7/28/17	Thu 8/10/17								
43	Develop New Geometric Design Alternative	3 wks	Fri 7/14/17	Thu 8/3/17								
44	Review DIB and Identify Design Exceptions	1 wk	Thu 8/17/17	Thu 8/17/17								
45	Refine Bridge Design	4 wks	Fri 7/28/17	Thu 8/24/17								
46	Develop Preliminary Cost Estimates	1 wk	Fri 8/18/17	Thu 8/24/17								
47	Prepare Alternative Matrix and Conduct Alternative Analysis to Confirm Preferred Alternative	2 wks	Fri 8/25/17	Thu 9/7/17								
48	Submit Geometric Plans	0 days	Thu 9/7/17	Thu 9/7/17								
49	City and Caltrans Reviews Geometric Design Alternatives	6 wks	Fri 9/8/17	Thu 10/19/17								
50	Finalize Geometrics	1 wk	Fri 10/20/17	Thu 10/26/17								
51												
52												

Santa Rosa Highway 101 - Bicycle and Pedestrian Bridge

ID	Task Name	Duration	Start	Finish	Qtr 1, 2017 Jan	Qtr 3, 2017 Jul	Qtr 1, 2018 Jan	Qtr 3, 2018 Jul	Oct
53	Task B2: Project Report (PR)	285 days	Fri 8/16/17	Fri 9/21/18					
54	Task B2.1 Engineering Studies	125 days	Fri 8/25/17	Thu 2/15/18					
55	Design Plans for Preferred Alternative	4 wks	Fri 9/8/17	Thu 10/5/17					
56	Prepare Draft Storm Water Data Report	3 wks	Fri 9/8/17	Thu 10/19/17					
57	Prepare Draft Preliminary Drainage Report	3 wks	Fri 9/29/17	Thu 10/19/17					
58	Prepare Traffic Memo and TMP	6 wks	Fri 9/8/17	Thu 10/19/17					
59	Prepare Preliminary Foundation Report and Preliminary Geotechnical Report	6 wks	Fri 9/8/17	Thu 10/19/17					
60	Prepare Advanced Planning Study (APS)	6 wks	Fri 8/25/17	Thu 10/5/17					
61	Prepare Right of Way Data Sheet	2 wks	Fri 10/6/17	Thu 10/19/17					
62	Submit Engineering Studies for Review	0 days	Thu 10/20/17	Thu 10/19/17					
63	City/Caltrens Review Studies	8 wks	Fri 10/20/17	Thu 12/14/17					
64	Incorporate Comments	3 wks	Fri 12/15/17	Thu 1/4/18					
65	Submit Engineering Studies for Review	0 days	Thu 1/4/18	Thu 1/4/18					
66	City/Caltrens Review and Approve Studies	5 wks	Fri 1/5/18	Thu 2/15/18					
67	Task B2.2 Exceptions to Design Standards	110 days	Fri 8/18/17	Thu 1/18/18					
68	Prepare Design Exception Fact Sheets	4 wks	Fri 8/18/17	Thu 9/14/17					
69	Prepare Longitudinal Utility Encroachment Exception (LUEE)	4 wks	Fri 8/18/17	Thu 9/14/17					
70	Submit Exceptions	0 days	Thu 9/14/17	Thu 9/14/17					
71	City/Caltrens Review Exceptions	8 wks	Fri 9/15/17	Thu 11/9/17					
72	Incorporate Comments	2 wks	Fri 11/10/17	Thu 11/23/17					
73	Submit Design Exceptions for Review	0 days	Thu 11/23/17	Thu 11/23/17					
74	City/Caltrens Review and Approve Exceptions	8 wks	Fri 11/24/17	Thu 1/18/18					
75	Task B2.3: Draft PR	115 days	Fri 9/29/17	Thu 3/8/18					
76	Prepare Draft PR Narratives	3 wks	Fri 9/29/17	Thu 10/19/17					
77	Prepare Administrative Draft PR	2 wks	Fri 10/6/17	Thu 10/19/17					
78	Submit Administrative Draft PR	0 days	Thu 10/19/17	Thu 10/19/17					
79	City/Caltrens Reviews Administrative Draft PR	8 wks	Fri 10/20/17	Thu 12/14/17					
80	Prepare & Incorporate Comments into Draft PR	3 wks	Fri 12/15/17	Thu 1/4/18					
81	City/Caltrens Reviews Draft PR	6 wks	Fri 1/5/18	Thu 2/15/18					
82	Prepare & Incorporate Comments into Final Draft PR	2 wks	Fri 2/16/18	Thu 3/1/18					
83	Submit Final Draft PR	0 days	Thu 3/1/18	Thu 3/1/18					
84	City/Caltrens Reviews and Signs Draft PR	5 days	Fri 3/2/18	Thu 3/8/18					
85	Task B2.4: Final PR	105 days	Fri 4/27/18	Fri 9/21/18					
86	Revise Draft PR to PR	3 wks	Fri 4/27/18	Thu 5/17/18					
87	Submit PR	0 days	Thu 5/17/18	Thu 5/17/18					
88	City/Caltrens Reviews PR	8 wks	Fri 5/18/18	Fri 7/13/18					
89	Prepare & Incorporate Comments into Final PR	2 wks	Mon 7/16/18	Fri 7/27/18					
90	Caltrens Reviews and Approves Final PR	4 wks	Mon 7/30/18	Fri 8/24/18					
91	Caltrens Signs Final PR	0 days	Fri 8/24/18	Fri 8/24/18					
92	Task B3: Prepare Environmental Document	292 days	Fri 9/21/18	Fri 9/21/18					
93	Task B3.1 Admin Draft Environmental Document (DED) - EAMS	80 days	Fri 8/11/17	Tue 9/25/18					
94	Prepare Project Description	3 mons	Fri 8/11/17	Thu 11/30/17					
95	Prepare Setting Impact Analysis/Mitigation	3 mons	Fri 9/8/17	Thu 11/30/17					
96	Task B3.2 Technical Studies	130 days	Fri 9/8/17	Thu 3/8/18					
97	Draft Cultural Resources Review Report and Section of the EAMS	6 wks	Fri 9/8/17	Thu 10/19/17					
98	Draft Natural Environmental Study and Section of the EAMS	6 wks	Fri 9/8/17	Thu 10/19/17					
99	Draft Air Quality Report and Section of the EAMS	3 wks	Fri 9/8/17	Thu 9/28/17					
100	Draft Paleontological Report and Section of the EAMS	6 wks	Fri 9/8/17	Thu 10/19/17					
101	Draft Water Quality Report and Section of the EAMS	3 wks	Fri 9/8/17	Thu 9/28/17					
102	Draft Community Impact Analysis Report and Section of the EAMS	6 wks	Fri 9/8/17	Thu 10/19/17					
103	Draft Visual Impact Analysis Report and Section of the EAMS	6 wks	Fri 9/8/17	Thu 10/19/17					
104	Draft Noise Study Report and Section of the EAMS	3 wks	Fri 9/8/17	Thu 9/28/17					
105	Conduct and Prepare Initial Site Assessment Phase I	3 wks	Fri 9/8/17	Thu 9/28/17					
106	Submit Technical Studies for Review	0 days	Thu 10/19/17	Thu 10/19/17					

Santa Rosa Highway 101 - Bicycle and Pedestrian Bridge

ID	Task Name	Duration	Start	Finish	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
107	City/Caltrans Review Studies	8 wks	Fri 10/20/17	Thu 12/14/17															
108	Incorporate Comments	4 wks	Fri 12/15/17	Thu 1/11/18															
109	Submit Studies for Review	0 days	Thu 1/11/18	Thu 1/11/18															
110	City/Caltrans Review and Approve Studies	8 wks	Fri 1/12/18	Thu 3/8/18															
111	Task B3.3 Public Draft Environmental Document (EA/IS)	135 days	Fri 10/20/17	Thu 4/26/18															
112	Prepare Administrative EA/IS	4 wks	Fri 10/20/17	Thu 11/16/17															
113	Submit EA/IS	0 days	Thu 11/16/17	Thu 11/16/17															
114	Caltrans Reviews EA/IS	8 wks	Fri 11/17/17	Thu 1/11/18															
115	Revise and Prepare Screen Check EA/IS	4 wks	Fri 1/12/18	Thu 2/8/18															
116	Submit Screen Check EA/IS	0 days	Thu 2/8/18	Thu 2/8/18															
117	City/Caltrans Reviews and Provides Remaining Comments for EA/IS for Publication	4 wks	Fri 2/9/18	Thu 3/8/18															
118	Prepare EA/IS For Publication	2 wks	Fri 3/9/18	Thu 3/22/18															
119	DED Approved - Publish EA/IS	1 wk	Fri 3/23/18	Thu 3/29/18															
120	EA/IS Released for Public Circulation	0 days	Thu 3/29/18	Thu 3/29/18															
121	30 day Public Review Period	1 mon	Fri 3/30/18	Thu 4/26/18															
122	Task B3.4 Final Environmental Document (CE/ND or MND)	107 days	Fri 4/27/18	Thu 9/25/18															
123	Prepare Response to EA/IS Comments	3 wks	Fri 4/27/18	Thu 5/17/18															
124	Prepare Final EA/IS - MND	2 wks	Fri 5/18/18	Thu 5/31/18															
125	Submit Final EA/IS - MND	0 days	Thu 5/31/18	Thu 5/31/18															
126	CT Reviews Final EA/IS - MND	8 wks	Fri 6/1/18	Fri 7/27/18															
127	Revise and Prepare Final EA/IS - MND	2 wks	Mon 7/30/18	Fri 8/10/18															
128	Submit Final EA/IS - MND	0 days	Fri 8/10/18	Fri 8/10/18															
129	Caltrans Reviews and Signs MND and Prepares FONSI	4 wks	Mon 8/13/18	Fri 9/7/18															
130	Provide MND/FONSI to Commenting Parties	2 wks	Mon 9/10/18	Fri 9/21/18															
131	File NOA and NOC with State Clearinghouse	0 days	Tue 9/25/18	Tue 9/25/18															

**Santa Rosa
Highway 101 - Bicycle and Pedestrian Bridge**

ID	Task Name	Duration	Start	Qtr 1, 2019			Qtr 3, 2019			Qtr 1, 2020			Qtr 3, 2020					
				Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct		
53	Task B2: Project Report (PR)	285 days	Fri 8/18/17															
54	Task B2.1 Engineering Studies	125 days	Fri 8/25/17															
55	Design Plans for Preferred Alternative	4 wks	Fri 9/8/17															
56	Prepare Draft Storm Water Data Report	3 wks	Fri 9/8/17															
57	Prepare Draft Preliminary Drainage Report	3 wks	Fri 9/29/17															
58	Prepare Traffic Memo and TMP	6 wks	Fri 9/8/17															
59	Prepare Preliminary Foundation Report and Preliminary Geotechnical Report	6 wks	Fri 9/8/17															
60	Prepare Advanced Planning Study (APS)	6 wks	Fri 8/25/17															
61	Prepare Right of Way Data Sheet	2 wks	Fri 10/6/17															
62	Submit Engineering Studies for Review	0 days	Thu 10/19/17															
63	City/Caltrans Review Studies	8 wks	Fri 10/20/17															
64	Incorporate Comments	3 wks	Fri 12/15/17															
65	Submit Engineering Studies for Review	0 days	Thu 1/4/18															
66	City/Caltrans Review and Approve Studies	6 wks	Fri 1/6/18															
67	Task B2.2 Exceptions to Design Standards	110 days	Fri 8/18/17															
68	Prepare Design Exception Fact Sheets	4 wks	Fri 8/18/17															
69	Prepare Longitudinal Utility Encroachment Exception (LUEE)	4 wks	Fri 8/18/17															
70	Submit Exceptions	0 days	Thu 9/14/17															
71	City/Caltrans Review Exceptions	8 wks	Fri 9/15/17															
72	Incorporate Comments	2 wks	Fri 11/10/17															
73	Submit Design Exceptions for Review	0 days	Thu 11/23/17															
74	City/Caltrans Review and Approve Exceptions	8 wks	Fri 11/24/17															
75	Task B2.3: Draft PR	115 days	Fri 9/29/17															
76	Prepare Draft PR Narratives	3 wks	Fri 9/29/17															
77	Prepare Administrative Draft PR	2 wks	Fri 10/6/17															
78	Submit Administrative Draft PR	0 days	Thu 10/19/17															
79	City/Caltrans Reviews Administrative Draft PR	8 wks	Fri 10/20/17															
80	Prepare & Incorporate Comments into Draft PR	3 wks	Fri 12/15/17															
81	City/Caltrans Reviews Draft PR	6 wks	Fri 1/5/18															
82	Prepare & Incorporate Comments into Final Draft PR	2 wks	Fri 2/16/18															
83	Submit Final Draft PR	0 days	Thu 3/1/18															
84	City/Caltrans Reviews and Signs Draft PR	5 days	Fri 3/2/18															
85	Task B2.4: Final PR	105 days	Fri 4/27/18															
86	Revise Draft PR to PR	3 wks	Fri 4/27/18															
87	Submit PR	0 days	Thu 5/17/18															
88	City/Caltrans Reviews PR	8 wks	Fri 5/18/18															
89	Prepare & Incorporate Comments into Final PR	2 wks	Mon 7/16/18															
90	Caltrans Reviews and Approves Final PR	4 wks	Mon 7/30/18															
91	Caltrans Signs Final PR	0 days	Fri 9/21/18															9/21
92	Task B3: Prepare Environmental Document	282 days	Fri 8/11/17															
93	Task B3.1 Admin Draft Environmental Document (DED) - EAJIS	80 days	Fri 8/11/17															
94	Prepare Project Description	3 mons	Fri 8/11/17															
95	Prepare Setting Impact Analysis/Mitigation	3 mons	Fri 9/8/17															
96	Task B3.2 Technical Studies	130 days	Fri 9/8/17															
97	Draft Cultural Resources Review Report and Section of the EAJIS	6 wks	Fri 9/8/17															
98	Draft Natural Environmental Study and Section of the EAJIS	3 wks	Fri 9/8/17															
99	Draft Air Quality Report and Section of the EAJIS	6 wks	Fri 9/8/17															
100	Draft Paleontological Report and Section of the EAJIS	3 wks	Fri 9/8/17															
101	Draft Water Quality Report and Section of the EAJIS	3 wks	Fri 9/8/17															
102	Draft Community Impact Analysis Report and Section of the EAJIS	6 wks	Fri 9/8/17															
103	Draft Visual Impact Analysis Report and Section of the EAJIS	6 wks	Fri 9/8/17															
104	Draft Noise Study Report and Section of the EAJIS	3 wks	Fri 9/8/17															
105	Conduct and Prepare Initial Site Assessment Phase I	3 wks	Fri 9/8/17															
106	Submit Technical Studies for Review	0 days	Thu 10/19/17															

**Santa Rosa
Highway 101 - Bicycle and Pedestrian Bridge**

ID	Task Name	Duration	Start	Qtr 1, 2019			Qtr 3, 2019			Qtr 1, 2020			Qtr 3, 2020				
				Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	
107	City/Calttrans Review Studies	8 wks	Fri 10/20/17														
108	Incorporate Comments	4 wks	Fri 12/15/17														
109	Submit Studies for Review	0 days	Thu 1/11/18														
110	City/Calttrans Review and Approve Studies	8 wks	Fri 1/12/18														
111	Task B3.3 Public Draft Environmental Document (EA/IS)	135 days	Fri 10/20/17														
112	Prepare Administrative EA/IS	4 wks	Fri 10/20/17														
113	Submit EA/IS	0 days	Thu 11/16/17														
114	Calttrans Reviews EA/IS	8 wks	Fri 11/17/17														
115	Revise and Prepare Screen Check EA/IS	4 wks	Fri 11/21/18														
116	Submit Screen Check EA/IS	0 days	Thu 2/8/18														
117	City/Calttrans Reviews and Provides Remaining Comments for EA/IS for Publication	4 wks	Fri 2/9/18														
118	Prepare EA/IS For Publication	2 wks	Fri 3/9/18														
119	DED Approved - Publish EA/IS	1 wk	Fri 3/23/18														
120	EA/IS Released for Public Circulation	0 days	Thu 3/29/18														
121	30 day Public Review Period	1 mon	Fri 3/30/18														
122	Task B3.4 Final Environmental Document (CE/ND or MND)	107 days	Fri 4/27/18														
123	Prepare Response to EA/IS Comments	3 wks	Fri 4/27/18														
124	Prepare Final EA/IS - MND	2 wks	Fri 5/18/18														
125	Submit Final EA/IS - MND	0 days	Thu 5/31/18														
126	CT Reviews Final EA/IS - MND	8 wks	Fri 6/1/18														
127	Revise and Prepare Final EA/IS - MND	2 wks	Mon 7/30/18														
128	Submit Final EA/IS - MND	0 days	Fri 8/10/18														
129	Calttrans Reviews and Signs MND and Prepares FONSI	4 wks	Mon 8/13/18														
130	Provide MND/FONSI to Commenting Parties	2 wks	Mon 9/10/18														
131	File NOA and NOC with State Clearinghouse	0 days	Tue 9/25/18														



**Project Budget
Scope/Fee Summary**

Task	BKF Engineers										SGA				David J. Powers & Associates				Biggs Cardoso Associates										Kleinfielder										Project Total Cost
	Civil, Survey, R/W, and Project Management					Bridge & Landscape Architecture Project Consideration, Community Services Outreach, Visual Simulations					Environmental Engineering		Structural Engineer		Geotechnical Engineering																								
	Principal	Sr. Associate	Project Manager	Engineer III	Engineer II	Engineer I	Technician III	Technician IV	Survey Crew	Total Hours	Fee	Principal/PM	Sr. Associate	Designer	Total Hours	Fee	Principal/PM	Assistant Project Manager	Graphics Artist	Total Hours	Fee	Sr. Principal Prof./S/LD I	Principal Professional	Senior Professional	Project Professional	Staff Professional II	Professional	CAD Operator	Technician IV	Project Administrator I	Total Hours	Fee							
Fully Burdened Professional Rates	\$230	\$206	\$190	\$162	\$142	\$124	\$119	\$65	\$270		\$	\$195	\$125	\$95		\$	\$230	\$195	\$170	\$120	\$110		\$296	\$276	\$176	\$138	\$125	\$104	\$122	\$74		\$							
Preparation of Callans Project Reports and Environmental Clearance	13	45	58	78	68	84	108	8	42	502	\$80,378	172	215	274	611	\$76,695	0	0	0	0	0	0	6	26	20	60	0	8	4	149	\$23,500	2	124	\$19,398					
B.1.1 Gather Information, Aerial Mapping, Topographic Survey, and Updated Project Information. Research, Obtain and Review Available Project Information, including Mapping, Reports, and Record Information (Utilities, ROW, etc.). Encouragement Permit, Site Recon/Field Investigations, and USA Mapping	4	10	20	12	8	16	56	0	42	168	\$29,648	8	41	44	93	\$10,865	0	0	0	0	0	0	0	0	1	2	4	0	0	0	7	\$1,131	2	124	\$19,398				
Geotechnical Field Explorations (CPT and Drilling)	1	2	2	4	4	4			17	\$2,734						\$0	0	0	0	0	0	0	0	0	1	2	4	0	0	0	7	\$1,131	0	0	\$0				
Geotechnical Lab Work and Analysis	1								11	\$1,592						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
US-Phase I - Agency Request/EIR/Coordination, Site Recon, Record Review, Hazardous Database Doc Prep, and USA Plans	2	2	6	4	4	8	24		8	24	\$5,028					\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Boundary of Record	1	2	4				32		24	63	\$11,690					\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Supplemental Field Topographic Survey (Engineering Surveys)	2	4					10		16	\$3,972						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Flight Control and Survey for Aerial Mapping	1	2	6	4	8	16			37	\$5,022						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Complete Information (Aerial, Topo, ROW, and Utilities) and Prepare Preliminary Maps and Plan Sheets for PADES Development											\$0					\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Prepare digital 3D base model											\$0					\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Prepare graphic site analysis plans with updated context and new development information											\$0					\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
B.1.2 Geometric Plans for Project Alternatives	9	35	38	64	60	68	52	8	0	334	\$59,928	114	174	250	518	\$65,939	0	0	0	0	0	0	6	24	24	16	60	0	8	4	142	\$22,429	0	0	0	\$0			
Define, Affixate, and Influencing Visible Design Alternatives	2	4	4	4	4	4			26	\$4,524						\$3,430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Geometrics Review - Refine Geometric Alignment Shown in the PID	1	8	4	12	8	12	8		53	\$8,158						\$3,930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Develop New Geometric Alternative Alignment (Outside Features)	2	8	8	16	12	16	12		74	\$11,338						\$3,430	0	0	0	0	0	4	16	12	8	36	0	4	2	82	\$13,169	0	0	0	0	\$0			
Prepare DIB (8-03 and 8-2-05, and Identify Non-Standard Design Features)	1	2	4	4	4	4			19	\$2,558						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Conduct Alternative Analysis and Further Refine Geometric Alignment	2	4	4	4	4	4			26	\$4,232						\$3,980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			
Develop Geometric Details of Alternative Alignments	0	0	0	0	0	0			0	\$0						\$1,645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Develop Design Alternatives (Bridges & Landscapes)	0	0	0	0	0	0			0	\$0						\$10,655	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Develop Rendered Plans of Design Alternatives	0	0	0	0	0	0			0	\$0						\$1,255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Refine Bridge and Landscape Architectural Design Alternatives and Prepare Preliminary 3D Visualizations for Internal Review and Use Meeting	0	0	0	0	0	0			0	\$0						\$10,475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Develop Presentation Graphics and Visualizations for 3rd Public Meeting and WA	0	0	0	0	0	0			0	\$0						\$9,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Develop Presentation Graphics and Visualizations for 4th Public Meeting and WA	2	2	4	4	4	4			26	\$3,999						\$5,189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Prepare Preliminary Cost Estimate for Alternative Analysis	4	4	4	8	8	12			36	\$4,954						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Prepare Project Alternatives Matrix, Evaluate and Verify Visible Alternatives	1	4	4	8	4	4			25	\$4,174						\$5,270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Compile and Submit Draft Geometric Alignments, Costs, and Matrix	2	2	2	4	4	4			18	\$2,374						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Incorporate City/Collants Comments on Geometric Plans and Costs	1	2	2	4	4	4			25	\$3,989						\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
Finalize Visible Geometric Alternative Alignments	2	2	2	2	2	2			6	\$1,115						\$3,990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				

