

**CITY OF SANTA ROSA TRANSPORTATION AND PUBLIC WORKS
PROJECT WORK ORDER NO. A010145-2016-14B**

PROJECT NAME: **FULTON ROAD WIDENING PROJECT**

CITY PROJECT MANAGER: **CHRIS CATBAGAN**

CONSULTANT PROJECT MANAGER: **WILLIAM SILVA**

SCOPE OF SERVICE: See Consultant’s Scope of Services/Proposal for Services and Fee Schedule dated **March 22, 2021** attached as Exhibit B-1.

START DATE: **May 2021**

COMPLETION DATE: **DECEMBER 2021**

CHARGE NUMBER FOR PAYMENT: **17444**

NOT-TO-EXCEED AMOUNT FOR THIS WORK ORDER: **\$432,132.00**

CCC *MC*
ccc

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 GHD, Inc., Agreement No. A010145,” dated October 11, 2016, and “Project Work Order No. A010145-2016-14, dated January 11, 2018. 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. A010145-2016-14	Amount: \$1,398,903.00
Amendment No. A010145-2016-14A	Amount: \$ 438,296.00
Amendment No. A010145-2016-14B	Amount: <u>\$ 432,132.00</u>
	Total: \$2,269,331.00

CITY OF SANTA ROSA,
A Municipal Corporation

By: _____
CHRIS ROGERS
Mayor

Date: _____

GHD, Inc.,
A California corporation

By: Theodore B Whiton, PE
Theodore B Whiton, PE (Mar 24, 2021 11:23 PDT)

Date: 03/24/2021

Name: Theodore B Whiton, PE

Title: Vice President

By: J. Duncan Findlay
J. Duncan Findlay (Mar 24, 2021 11:58 PDT)

Date: 03/24/2021

Name: J. Duncan Findlay

Title: Secretary

APPROVED AS TO FORM:

By: Jessica Mullan
Jessica Mullan (Mar 31, 2021 10:07 PDT)
Santa Rosa City Attorney’s Office

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



Exhibit B-1

March 22, 2021

Ref: 11146369

Mr. Chris Catbagan, PE
Associate Civil Engineer
City of Santa Rosa Transportation and Public Works Department
69 Stony Circle
Santa Rosa, CA 95401

RE: Proposal for Contract Amendment 2 – Fulton Road Widening PS&E – Offsite Mitigation and Supplemental Efforts

Dear Chris,

Based on our meetings with the City, GHD has developed the following proposed contract amendment to our existing Fulton Road Widening PS&E (“Project”) Design Services contract. This amendment request is based on on-going coordination and discussions with the City to address the required offsite mitigation project required by the Regional Board, the extension of the project timeline, and ancillary additional efforts for Permitting, Design and PM.

GHD’s original proposal for the Project was prepared in September 2017, formally executed in January 2018, and Amendment 1 was executed in December 2019. The following items are addressed in this Contract Amendment 2 proposal. The primary additional scope items include the following:

- Off-site Mitigation:
 - Design of LID off-site mitigation project at Stony Point Road Facility
 - Preparation of FSWLIDS document
 - Supplemental coordination for on-site and off-site solutions
- Permitting:
 - Agency requests / changes in regulations
 - Extended schedule / delayed submittals
 - Change in permit requirements/submittal process
- Design:
 - Addition / Late change to Roller Compacted Concrete
 - Tran, Alberigi, SCWA redesign
 - Driveway redesigns required during ROW procurement
 - Additional formal submittal due to late changes
 - Additional coordination and interim submittals for re-design of all ramps.
 - Additional coordination with Parks across park frontage regarding fencing, wall material, tree species, shrub spacing and density, etc.
- Project Management and coordination services for:
 - All of the above added effort
 - Additional 4 months of project execution



Currently a contingency of 10% is included in the fee proposal, based solely on the value of the proposed Design effort. Our scope of work and fee are outlined below for your consideration for a contract amendment to Work Order No. A010145-2016-14.

Scope of Work

Work for additional scope is included in the following tasks, per the original work order agreement.

Task 1. Project Management & Quality Control

1.1 Project Management and Internal Coordination

The following tasks require additional Project Management, Coordination, and Quality Control beyond the contracted scope, Project schedule included PM services to March 2021. The scope now includes Task 1 services from March 2021 through the end of design in June 2021, four (4) months. Note: PM for Construction Phase is under Task 9, Construction Phase Support.

1.2 Project Schedule

This task is unchanged, except for the duration. Four (4) additional months added to extend through the end of final design, June 2021.

1.3 Agency Coordination

This task is unchanged, except for the duration. Four (4) additional months added to extend through the end of final design, June 2021.

1.4 Project Submittal Meetings

This task is unchanged, except to add in efforts related to one (1) additional submittal.

1.5 Progress Reporting/Invoicing

This task is unchanged, except for the duration. Four (4) additional months added to extend through the end of final design, June 2021.

Task 2. Supplemental Survey Coordination

This task is complete.

Task 3. Project Communication/Coordination

This task is unchanged, except for the duration. Contract final design completion date was March 2021; four (4) additional months added to extend through the end of final design, June 2021.

Assumptions:

It is understood that the City will continue to actively participate in weekly coordination meetings and provide timely input to keep the project on schedule.



Task 4. Permitting

4.1 Environmental Permitting - Additional Efforts

Additional efforts were required on this task as outlined below.

- Change in regulations for the Water Board which resulted in additional coordination after the application was submitted
- The approximate six-month delay in permit applications being signed resulted in additional efforts related to processing and submittals.
- CDFW changed their submittal process from mailing in an application to an online portal. The online portal requires each applicant to create an account and submit virtually, which required a rework to get all of the information from the permit application form and from our standard format to one that was acceptable to this new system (EPIMS)
- When in conversations with CDFW, our agent departed from the initial conversations we had in the field, which resulted in additional work and deliverables being required that was unforeseen. This is also requiring our biological subs to spend additional time on the ITP and LSAA applications.
- Update impact numbers resulting in revisions to all four permit applications twice due to revisions in design related to permit approvals.

Assumptions:

It is understood that permit approvals will be received by June 2021.

It is understood that the City will acquire the mitigation credits as soon as permit approval is received and clarification, anticipated by April 2021, is provided from the permitting agencies on the amount required.

4.2 Additional Environmental Permitting

This task is unchanged.

Task 5. Utility Coordination - Rule 20A and City Utilities

This task is unchanged.

Task 6. Design

6.1 65% Plans, Specifications, and Estimate

This task is complete.

Task 7. Right of Way Engineering

7.1 Right of Way Appraisal Services

This task is unchanged.



7.2 Right of Way Acquisition Services

The original scope assumed no condemnation or significant challenges during acquisition. Directly or tangentially, there have been both, however, based on the avoidance approach, current progress, and existing budget, the additional budget request has been minimized. Other related challenges from acquisition include title issues related to owner deaths and inconsistencies, as well as lenders not completing transactions without significant effort by the ROW team.

Assumptions:

It is anticipated that ROW acquisition will be substantially complete (i.e. negotiations complete and paperwork effectively processing) by May 2021.

Task 8 Final Design and Bid Phase

8.1 95% Plans, Specifications and Estimate

This task is complete.

8.2 100% Plans, Specifications and Estimate

Consultant's design efforts include additional efforts related to:

- Additional coordination and re-design of plans and specifications based on post-95% submittal change to Roller Compacted Concrete
- Additional coordination and interim informal submittals related to multiple ramp re-design throughout project development.
- Additional coordination with Water Board regarding on-site LID design
- Design revisions based on driveway changes requested by property owners during ROW procurement.
- Revisions to Civil and Structural design to SWA pathway based on feedback and request from SWA.
- Additional coordination and re-design at Alberigi and Tran properties based on removal of PUE and TCE areas.
- Additional coordination with Parks regarding plan check comments for design across park frontage, fencing type, retaining wall façade material, tree species, shrub spacing, and additional landscape changes.

The construction cost estimate will be updated to reflect changes in the quantities identified in the 100% plan set.

Remainder of original scope under this task unchanged.

Assumptions:

The City's Material Lab will provide the RCC/PCC section thickness(es) for the design.



A concrete joint plan will be prepared by another consultant and provided to GHD to include in the Bid Set PS&E package.

8.3 Final Plans, Specifications and Estimate (Bid Set)

This task has been added back into the project to address an additional formal submittal required due to various late project design changes.

Assumptions:

No new comments will be made post final bid set submittal.

8.4 LID Offset Mitigation Project

This task was added based on the requirement from the Water Board to have a fully designed mitigation project prior to approval of the Fulton Road LID design and 401 permits. There was a change in regulations during the development of the Fulton Road project that now requires Hydromodification for projects that create/replace an acre or more of impervious materials. The Fulton Road Project falls into this category but due to existing infrastructure and site constraints, and limitations of the scope of the project, treatment and retention are not readily achievable at each catchment location. The mitigation project is to be designed for the project square footage and runoff volume that is not being treated on-site at Fulton Road.

Consultant will design the required mitigation project which will include the design of a rain garden/bioswale at 55 Stony Point Road and preparation of a SWLIDS report for submittal to the Water Board. The mitigation project will be designed to capture the full volume of project runoff that has not been accounted for on-site with the Fulton Road design.

This task accounts for three total submittals to the Water Board, one submittal and 2 resubmittals to address comments and coordination items.

Assumptions:

The City will provide topographic information to GHD for the offsite mitigation project location (55 Stony Point Road) which will include enough information to determine the tributary watershed.

GHD provided calculations to the City for the area of un-treated runoff that will require mitigation off-site. It is understood that the project location identified for offsite mitigation will have adequate tributary area and area for BMP installation to meet the offset requirements from the Fulton Road project.

Fee Estimate

A summary of the contract budget amount with Amendment 2 is shown in Table 1. See attachment for breakdown of the estimated fee for Contract Amendment 2. Rates have been held to Amendment 1 approved levels.



Table 1: Project Budget Summary

Contract Amount w/ Amendment 1	\$1,837,199
Contract Amendment No. 2 – Additional scope	\$392,847
Contingency (10%)	\$39,285
Total Amendment 2 w/ Contingency	\$432,132
Total Contract Amount with Amendment	\$2,269,331

Closing

It is assumed that upon agreement of the scope of work for the engineering service, the City will provide a Contract Amendment to the original Project Work Order No. A010145-2016-14.

If you have any questions or comments regarding this proposal, please feel free to contact me at 523-1010.

Sincerely,
GHD Inc.

William Silva, P.E.

Project Manager
(707) 523-1010
bill.silva@ghd.com

Attachment: Exhibit A Fee Estimate Spreadsheet

EXHIBIT A - FEE ESTIMATE - AMENDMENT 2 (OFFSITE MITIGATION+)

Project: Design Engineering Services for Capital Improvement Project - Fulton Road from Guerneville to Piner - Widen to Four Lanes

Prepared for: City of Santa Rosa

Prepared by: William Silva / Kat Harvey

Date: 03/22/2021

Task	CLASSIFICATION > NAME > ORIGINAL CONTRACT RATE (2017) > FULLY BURDENED RATE (From Amend #1) >	PIC	PM	Eng Lead	Civil	Civil / LID	Storm Drain	Utilities	Env Lead	Permitting	Planner	Staff Eng	Elec-trical	Struc Engineer	PA	Snr CAD	CAD	QAQC	HRS	ODC	Landscape Quadriga	ROW NBROW	Traffic W-Trans	Biological Resources Wildlife Research Assoc.	Cultural Resources SSU/ASC	Plants Survey/ Restoration Plan JVE	SUB FEE	PRIME FEE	TOTAL FEE	
		235	Silva 225	Wargula 175	Varies 165	Harvey 175	Varies 145	Varies 155	Bacc. 184	Gaspar 200	Vary 136	Vary 125	Penry 205	Burns 155	Vary 105	Phelps 135	Vary 120	Vary 175												194
TASK 1 PROJECT MANAGEMENT AND QA/QC																														
1.1	Project Management and Internal Coordination	2	50	10	40										10				112	\$672								\$0	\$24,132	\$24,132
1.2	Project Schedule		10																10	\$60								\$0	\$2,559	\$2,559
1.3	Agency Coordination		14		12										6				32	\$192								\$0	\$6,590	\$6,590
1.4	Project Meetings		4		4														8	\$48								\$0	\$1,781	\$1,781
1.5	Progress Reporting/Invoicing		8												10				18	\$108								\$0	\$3,274	\$3,274
SUBTOTAL TASK 1		2	86	10	56	0	0	0	0	0	0	0	0	0	26	0	0	0	180	\$1,080	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,336	\$38,336
TASK 3 PROJECT COMMUNICATION / COORDINATION																														
3.1	City Communication/Community Coordination		40	24	60				4		16		4	4	24				176	\$1,056								\$0	\$34,349	\$34,349
SUBTOTAL TASK 3		0	40	24	60	0	0	0	4	0	16	0	4	4	24	0	0	0	176	\$1,056	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,349	\$34,349
TASK 4 PERMITTING																														
4.2	Additional Environmental Permitting			0	16				35	24	60								135	\$810				\$1,650		\$2,000	\$4,015	\$25,292	\$29,307	
SUBTOTAL TASK 4		0	0	0	16	0	0	0	35	24	60	0	0	0	0	0	0	0	135	\$810	\$0	\$0	\$0	\$1,650	\$0	\$2,000	\$4,015	\$25,292	\$29,307	
TASK 7 RIGHT OF WAY ENGINEERING																														
7.2	Right of Way Acquisition Services																		0	\$0				\$15,000			\$16,500	\$0	\$16,500	
SUBTOTAL TASK 7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$0	\$16,500	\$0	\$16,500	
TASK 8 FINAL DESIGN AND BID PHASE																														
8.2	100% Plans, Specifications, and Estimate		70	60	96	24						80	16	40	40				426	\$2,556	\$3,900		\$13,669				\$19,326	\$80,278	\$99,604	
8.3	Final Plans, Specifications, and Estimate (Bid Set)		50	52	80	32	24	10				65	12	24	16	60	10	25	460	\$2,760							\$0	\$84,781	\$84,781	
8.4	LID Offset Mitigation Project	2	20	36	40	150						170			20		89		527	\$3,162							\$0	\$89,970	\$89,970	
SUBTOTAL TASK 8		2	140	148	216	206	24	10	0	0	0	315	28	64	76	60	99	25	1413	\$8,478	\$3,900	\$0	\$13,669	\$0	\$0	\$0	\$19,326	\$255,030	\$274,356	
PROJECT TOTALS		4	266	182	348	206	24	10	39	24	76	315	32	68	126	60	99	25	1,904	\$11,424	\$4,290	\$16,500	\$15,036	\$1,815	\$0	\$2,200	\$39,841	\$353,006	\$392,847	
% of total (by value)		0.3%	16.9%	9.0%	16.2%	10.2%	1.0%	0.4%	2.0%	1.4%	2.9%	11.1%	1.9%	3.0%	3.7%	2.3%	3.4%	1.2%			1.1%	4.2%	3.8%	0.5%	0.0%	0.6%	10%	90%	100%	
% of total (by GHD hours)		0.2%	14.0%	9.6%	18.3%	10.8%	1.3%	0.5%	2.0%	1.3%	4.0%	16.5%	1.7%	3.6%	6.6%	3.2%	5.2%	1.3%												
CONTINGENCY																														
C1	Contingency - Design Phase Support (10%)																											\$3,984	\$35,301	\$39,285
TOTAL CONTINGENCY																												\$3,984	\$35,301	\$39,285

TOTAL (w/ Contingency) \$ 432,132

