

FIRST AMENDMENT
TO AGREEMENT WITH WRA ENVIRONMENTAL CONSULTANTS
FOR "CITY SURROUNDED BY A TRAIL"
CONCEPTUAL DESIGN AND FEASIBILITY STUDY

THIS FIRST AMENDMENT is made and entered into this ____ day of April 2016, by and between the CITY OF FORT BRAGG, hereinafter referred to as "CITY," and WRA ENVIRONMENTAL CONSULTANTS, hereinafter referred to as "CONSULTANT."

WHEREAS, CITY and CONSULTANT entered into an Agreement on July 13, 2015 for professional services from CONSULTANT to prepare a conceptual design and feasibility study for the "City Surrounded by a Trail" project; and

WHEREAS, on October 29, 2015, the Fort Bragg City Council authorized changes in the scope of work to include modified approaches to supporting the public workshops and additional concepts for design development; and

WHEREAS, The City was awarded Mendocino Council of Governments (MCOG) funding to complete an engineering study of access to North harbor Drive, known as the North Harbor Access Plan; and

WHEREAS, WRA has submitted a proposal to subcontract the required engineering services for the North Harbor Access Plan to Questa Engineering; and

WHEREAS, WRA has been performing tasks for the City Surrounded by a Trail (AKA City of Trails) project which is ongoing and the proposed engineering work by Questa Engineering is interconnected with this ongoing work underway by WRA; and

WHEREAS, there are still sufficient funds for all of these activities awarded by MCOG;

NOW, THEREFORE, for the aforementioned reasons and other valuable consideration, the receipt and sufficiency of which is acknowledged, CITY and CONSULTANT hereby agree that the Professional Services Agreement for "City Surrounded by a Trail" Feasibility Study and Conceptual Design between the CITY and CONSULTANT dated July 13, 2015, is hereby amended as follows:

1. **SCOPE OF WORK:** Paragraph 1 (DESCRIPTION OF SERVICES OR SCOPE OF WORK) is hereby amended to add the following to the existing paragraph: "The Services are further described in Consultant's updated scope of work, which is attached to and made a part of this First Amendment to Agreement as Exhibit A."
2. **TERM:** Paragraph 2 (TERM) is hereby amended to extend the contract to December 31, 2016.
3. **PAYMENT TERMS:** Paragraph 3 (PAYMENT TERMS AND NOT TO EXCEED AMOUNT) The Not to Exceed amount is hereby amended from \$65,500 to \$99,968 (increase of \$34,468).
4. **TIME OF COMPLETION:** Paragraph 4 (TIME OF COMPLETION) is hereby amended to extend the time of completion to September 30, 2016.
5. Except as expressly amended herein, the Professional Services Agreement, between the CITY and CONSULTANT dated July 13, 2015 is hereby reaffirmed.

IN WITNESS WHEREOF, the parties have executed this Amendment the day and year first above written.

CITY OF FORT BRAGG:

By: _____
Linda Ruffing
City Manager

ATTEST:

June Lemos, City Clerk

CONSULTANT:

By: George Salvaggio 4/1/2016
George Salvaggio
Principal

_____ 4/4/16
APPROVED AS TO FORM:

Samantha W. Zutler, City Attorney

IN WITNESS WHEREOF, the parties have executed this Amendment the day and year first above written.

CITY OF FORT BRAGG:

CONSULTANT:


By: _____
Linda Ruffing
City Manager

By: _____
George Salvaggio
Principal

ATTEST:

APPROVED AS TO FORM:

June Lemos, City Clerk



Samantha W. Zutler, City Attorney



CITY OF TRAILS FEASIBILITY STUDY
City of Fort Bragg, California

CHANGE ORDER # 3
Incorporates North Harbor Drive and Additional Engineering
Into Existing City of Trails Feasibility Study

Prepared for:

Ms. Marie Jones, Director
Community Development Department
416 North Franklin Street
Fort Bragg, California 95437

February 22, 2016

WRA Project # 25050

PURPOSE

The purpose of this Change Order #3 is to describe the services and costs for WRA, in cooperation with Questa Engineering, to provide additional engineering and planning for North Harbor Drive and Old Mill Road in Fort Bragg, California. WRA will incorporate the findings of these additional engineering and planning investigations into the City of Trails Feasibility Study started under the original contract and modified in subsequent revisions dated July 13 and October 12, 2015 respectively.

WRA is in the process of preparing the City of Trails Feasibility Study which, as a result of the Community Workshop and subsequent City Council decision on October 29th, 2015 focuses on three trail connections;

- Redwood Avenue Coastal Trail Connection to Downtown,
- Old Mill Road connecting the Coastal Trail to North Noyo Bay, and
- South Noyo Harbor Trail.

The City of Fort Bragg recognizes the north side of Noyo Harbor as a major destination and economic driver in the Fort Bragg community. This important business, tourism and recreation destination has no sidewalk access for pedestrians or bicycle access along the very constrained North Harbor Drive roadway. Providing a dedicated pedestrian and bicycle access along North Harbor Drive will dramatically enhance safe passage, especially for bicyclists, to the harbor from the City for tourists and residents. Numerous engineering constraints, such as a narrow right of way and steep down-slopes will require preliminary geotechnical evaluations and consideration of advanced engineering alternatives by Questa Engineering to accommodate the extra width required for a trail next to North Harbor Drive.

A preliminary planning study for Old Mill Road has revealed the need for additional engineering on the

EXHIBIT A

berm around the dredge spoils pond and at a specific eroded site along the road. This change order will provide an engineering assessment of the berm and the eroded area.

The existing pedestrian only access to the Harbor is a very steep, unmaintained and privately-owned trail through the Harbor Lite Lodge property. Improvements to the Harbor Lite Lodge Trail will be recommended, but will not be developed to the same level as the other trails since it is already an existing trail.

SCOPE OF WORK

This change order adds one additional trail into the final City of Trails Feasibility Study along North Harbor Drive and provides additional engineering for the proposed trail on Old Mill Road. The tasks described below utilize alphabetic suffices on the original task numbers and this funding request is organized to augment the existing tasks and funding structure. Table 1 at the end of this section summarizes the budget for this change order request. The engineering studies will be incorporated into the final City of Trails Feasibility Study.

Task 1A – Field Reconnaissance

A Questa staff Geologist and Engineer will visit the two trail sites to evaluate field conditions and report on the need for special structures.

Task 1B – Project Management

WRA will continue to provide the primary point of contact for the City of Fort Bragg and will coordinate deliverables, communications and financing between all members of the design team and the City.

Task 2A – Stakeholder Meeting

WRA will attend a City sponsored stakeholder meeting to discuss potential alternatives for the proposed trail on North Harbor Drive. WRA will provide available documentation including the base maps described below and will support the City in facilitating the stakeholder meeting.

Deliverable - WRA will work with the City to conduct a meeting with stakeholders to identify preferred design alternatives and potential conditions for approval. While in Fort Bragg, WRA will also conduct a site visit to all the proposed trail sites to confirm design approaches.

Task 3A – Develop Engineering Base Maps

Questa utilize LiDAR topographic data and convert it into AutoCAD and DEM compatible files for engineering use. Built features will be taken from aerial photography, interpretation of LiDAR and ground observations. Preliminary property lines will be taken from City GIS shape files, any readily available Caltrans right of way maps, and record drawings or improvement plans on file with the City.

EXHIBIT A

Deliverable: Two Topographic Base Maps, one for each Study area, 1"= 40', 1-2 foot contour intervals.

Task 3B – Complete Engineering Analysis

Old Haul Road. Based on an analysis of preliminary trail plans and topographic maps from the task above, a complete engineering analysis and constructability review of conversion of the Old Haul Road to a public access trail will be completed. The review will focus on a) the berm on the west of the dredge spoils pond, b) the alternative alignment on the east side of the dredge spoils pond, and c) the eroded area about half way up the trail towards the upper bluff. Grading, cut and fill sources, and volumes and stability of the trail prism will be evaluated.

North Harbor Drive. The analysis will include a conceptual plan and profile, and at least four scaled cross sections depicting possible approaches to constructing a trail structure on the Harbor Drive road shoulder slope, as shown in Figure 1, using techniques such as a soldier pile retaining wall or a cantilevered walkway structure.

Deliverable - Preliminary Engineering Designs for each trail, including trail plan, profile, cross sections and conceptual structure details of portions of Old Haul Road and North Harbor Drive.

Task 3C – Preliminary Geotechnical Evaluation Report

A brief, initial geotechnical report will be completed in this task, summarizing the results of the field evaluation, a review of available geologic, geomorphic and landslide mapping, and other geotechnical information from nearby areas provided by the City. The report will summarize constraints, contain preliminary design recommendations, and outline next steps and additional studies needed.

Deliverable - Preliminary Geotechnical Evaluation based on site reconnaissance and available information review; includes discussion of constraints and preliminary design recommendations.

Task 3D – Preliminary Cost Estimates

Preliminary cost estimates for the two study areas will be prepared including final design, engineering costs, environmental review and permitting, construction, and construction management and any ROW engineering costs. Additional easements will also be required and the City of Fort Bragg will be responsible for any negotiations or discussions with landowners. Right of Way acquisition costs will not be included.

Deliverable - Preliminary Final Design and Construction Cost Estimates of Old Haul Road and North Noyo Drive trail segments.

Task 4A – Draft City of Trails Feasibility Study

WRA will consolidate the engineering and planning information for North Harbor Drive and Old Mill Road into the Draft City of Trails Feasibility Study and will respond to comments regarding the draft in conjunction with the overall study. The draft report will follow the template approved for the City of Trails Feasibility Study as follows.

Template for the City of Trails Feasibility Study

- *Trail Concept and Benefits*
- *Related Trail Connection Opportunities*
- *Ownership and Acquisition*
- *Existing Conditions*
- *Recommended Improvements*
- *Environmental Impacts and Permitting*
- *Maintenance Requirements*
- *Potential Issues and Data Needs*
- *Conceptual Plan and Trail Section*

Deliverable: One electronic copy of the Draft City of Trails Feasibility Study

Task 5A – Final City of Trails Feasibility Report

WRA will provide responses to City comments on the draft and provide a final print check copy of the City of Trails Feasibility Study for the City to confirm final changes. WRA will provide 5 copies of the finished report to the City and will also forward all electronic files used to produce the study.

Deliverable: One electronic copy of the Final City of Trails Feasibility Study and all electronic files used to produce the City of Trails Feasibility Study.

STAFFING

Paul Curfman will continue to be the Project Manager and George Slavaggio of WRA will be the Principal-in-Charge. WRA will continue to provide design and technical staff and GIS analysis. Mr. Jeffery Peters of Questa Engineering will be the Principal Engineer in Charge and Carl Nelson will be the Project Engineer supported by Andrew McDade as the Engineering Associate. Geotechnical analyses will be directed by Willard Hopkins and supported by Chris Lyle, staff Geologist and Hydrologist.

SCHEDULE

The Draft Feasibility Study, with the North Harbor Drive Trail is to be completed by April 2016.

EXHIBIT A

BUDGET FOR ADDITIONAL COSTS

The Change Order #3 budget below will be absorbed into the budget for the City of Trails Feasibility Study and together they will be invoiced as one project.

Change Order 3 Cost Proposal - 2/22/2016

| | | WRA | Questa | Expenses | Subtotal |
|---------------|--|-----------------|-----------------|--------------|-----------------|
| Task 1 | Project Management and Coordination | | | | |
| 1A | Questa Field Reconnaissance | | \$1,680 | \$200 | |
| 1B | WRA Project Management | \$1,500 | | | |
| | <i>Task Subtotal by Firm</i> | \$1,500 | \$1,680 | \$200 | \$3,380 |
| Task 2 | Facilitate Community and Planning Workshops | | | | |
| 2A | WRA Site Visit 3 and Stakeholder Meeting 1 | \$2,500 | | \$300 | |
| | <i>Task Subtotal by Firm</i> | \$2,500 | \$0 | \$300 | \$2,800 |
| Task 3 | Prepare Draft Work Products | | | | |
| 3A | Prepare Engineering Base Maps for Two Trail Sites | | \$4,018 | \$150 | |
| 3B | Complete Engineering Analysis for Two Trails | | \$5,700 | \$150 | |
| 3C | Preliminary Geotechnical Evaluation Report | | \$3,515 | | |
| 3D | Preliminary Engineering Cost Estimates | | \$5,755 | | |
| | <i>Task Subtotal by Firm</i> | \$0 | \$18,988 | \$300 | \$19,288 |
| Task 4 | Revised Draft Reports | | | | |
| 4A | Add North Harbor Drive Section in City of Trails Report | \$5,700 | | | |
| 4B | Revised Old Mill Road Section with Geotech and Engineering | \$2,300 | | | |
| | <i>Task Subtotal by Firm</i> | \$8,000 | \$0 | \$0 | \$8,000 |
| Task 5 | Final Report & City Council Presentation | | | | |
| 5A | Respond to City Comments and Prepare Final Report | \$1,000 | | | |
| | <i>Task Subtotal by Firm</i> | \$1,000 | \$0 | \$0 | \$1,000 |
| | Subtotal by Firm | \$13,000 | \$20,668 | \$800 | \$34,468 |

OK

TERMS AND CONDITIONS

The conditions contained in the existing Agreement for Professional Consultant Services signed **October 5, 2015** will apply to this Change Order.

EXHIBIT A

APPROVAL TO PROCEED

Work can be initiated through acknowledgment of this Scope of Work by signing below.

Scope of Work and Estimated Budget accepted by:

Signature

Date

Printed Name and Title

Firm Name

Phone Number

Street Address

email

City

State

Zip Code

For WRA, Inc.

Principal

Date

Principal

Date

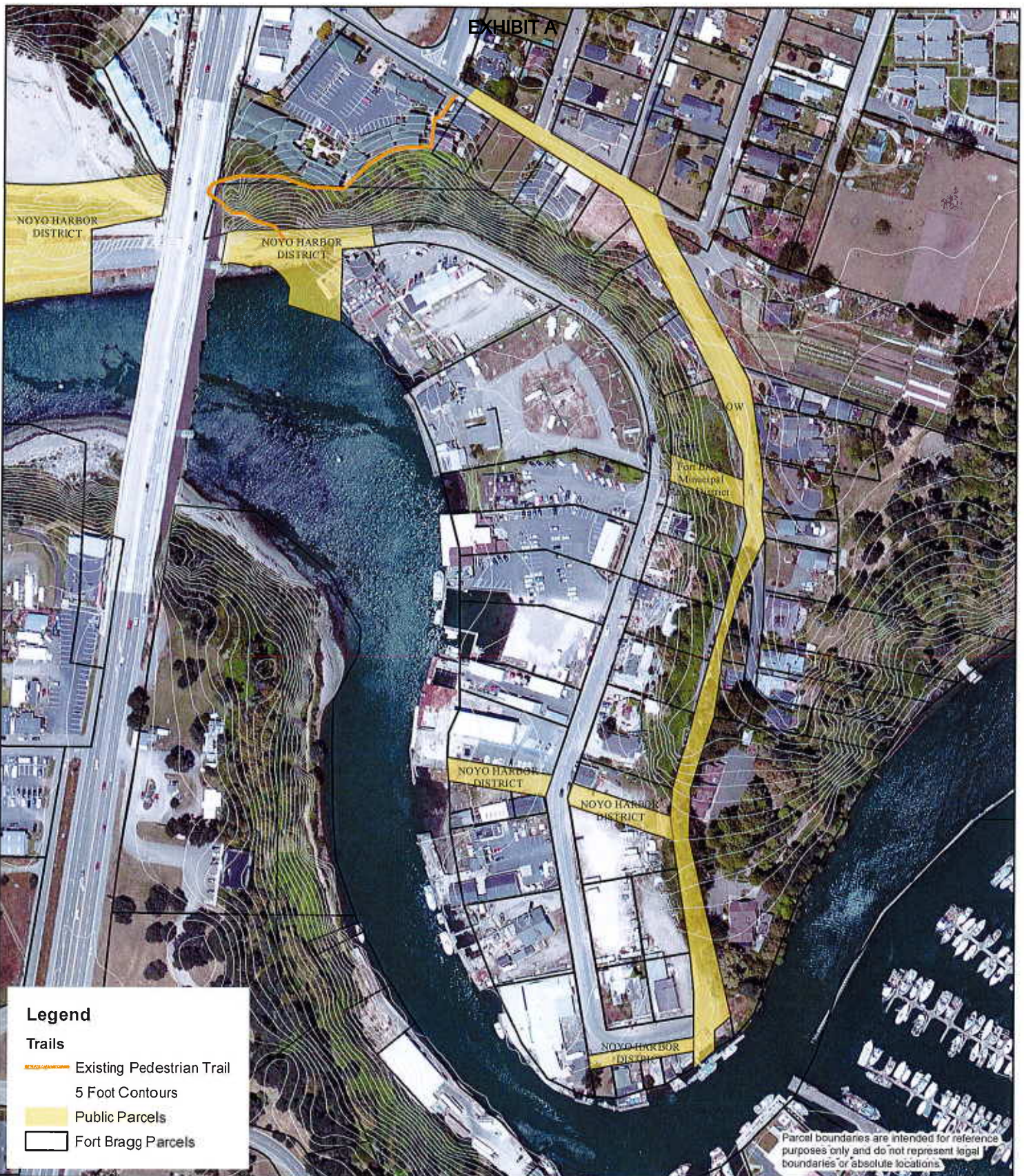


Figure 1. Harbor Drive Trail Concept

City of Trails Feasibility Study
Fort Bragg, California

0 125 250 500
Feet



1 inch = 250 feet



ENVIRONMENTAL CONSULTANTS

Map Prepared Date: 2/4/2016
Map Prepared By: Fhourigan
Base Source: Esri Streaming - NAIP 2014
Data Source(s): WRA