

DOCUMENT 00913

ADDENDUM NUMBER 3

Issued: April 24, 2014

Mirabel Fish Screen and Fish Ladder Replacement

FROM: Sonoma County Water Agency
404 Aviation Blvd.
Santa Rosa, CA 95403-9019

TO: Prospective Bidders

This Addendum forms a part of and modifies the Project Manual dated March 2014. Bidder shall acknowledge receipt of this Addendum in the space provided in Document 00400 (Bid Form).

Modified text is indicated as follows: Double-underline designates text to be inserted; ~~strikethrough~~ designates text to be deleted.

Addendum Number 3 consists of 6 pages (size 8 1/2" x 11") and 0 revised Drawings.

I. General Changes

A. No changes.

II. Changes to Prior Addenda

A. No changes.

III. Changes to Introductory Information and Bidding Requirements

A. Document 00320 (Geotechnical Data and Existing Conditions):

1. Insert the following after Paragraph 2.D.13:

14. Mirabel Emergency Diversion

Russian River-Cotati Intertie Project

Construction Documents

May 1989

[Note: this information will be posted to Owner's website]

IV. Changes to Contracting Requirements

A. No changes.

V. Changes to Conditions of the Contract

A. No changes.

VI. Changes to Specifications

- A. Section 02140 (Dewatering):
 - 1. Insert the following as Paragraph 1.3A.1.b:
 - b. If dewatering facilities are proposed to remain in place during winter months, include provisions to allow free flow of river water during high flows to prevent fish entrapment.
- B. Section 02316 (Trenching, Backfilling, and Compacting for Utilities):
 - 1. Modify Paragraph 1.2 as follows:
 - A. ~~ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft lb/ft³)~~
California Test Method 216 (modified) Relative Compaction of Untreated and Treated Soils and Aggregates
 - B. California Test Method 231 (modified) Relative Compaction of Untreated/Treated Soils and Aggregates (Area Concept Using Nuclear Gauges)
 - 2. Insert the following after Paragraph 1.3 B.1:
 - 2. Imported materials, include source, testing, inspection, sieve analysis, and other pertinent data
 - 3. Select bedding or select backfill material, include testing, inspection, sieve analysis, specific location of Samples tested, stockpile or stationing information, date, and other pertinent data.
 - 3. Insert the following as Paragraph 1.3 C: [renumber remaining paragraphs accordingly]
 - C. Samples
 - 1. One-pound bag of imported bedding material.
 - 4. Insert the following after Paragraph 1.3 D.1.a:
 - b. Aggregate trench backfill material: Test results on material to confirm specified characteristics
 - 5. Insert the following as Paragraph 1.4: [renumber remaining paragraphs accordingly]
 - 1.4 DEFINITIONS
 - A. California Test Method 216 (modified): Relative Compaction of Untreated and Treated Soils and Aggregates as modified by Owner per Section 01450 (Quality Control).
 - B. California Test Method 231 (modified): Relative Compaction of Untreated/Treated Soils and Aggregates (Area Concept Utilizing Nuclear Gauges) as modified by Owner per Section 01450 (Quality Control).
 - 6. Modify Paragraph 2.1A as follows:
 - A. Trench Backfill Material:
 - ~~1. Meeting requirements of engineered fill per Section 02300 (Earthwork).~~
 - 1. Imported Material:
 - a. Clean soil, free from organic material, trash, debris, rubbish, broken concrete, bituminous materials, or other objectionable substances.
 - b. Sand equivalent not less than 25.
 - c. Gradation conforming to the following:

<u>Size/Sieve Size</u>	<u>Percent Passing (by dry weight)</u>
<u>3 inch</u>	<u>100</u>
<u>#4</u>	<u>40-100</u>
<u>#30</u>	<u>10-100</u>

- 2. Local Material (approved select material excavated from the Site):
 - a. Clean soil, free from organic material, trash, debris, rubbish, broken concrete, bituminous materials, or other objectionable substances.
 - b. No rocks larger than 3 inch.

7. Modify Paragraph 2.1B as follows:

A. Pipe ~~Embedment~~ Bedding Materials:

~~1. Pipe embedment shall match the soil matrix and classification of the surrounding native materials.~~

1. General Pipe and Conduit Trenches:

a. Imported Material:

- 1) Granular material (sand, gravel, crushed aggregate).
- 2) Sand equivalent not less than 30.
- 3) Gradation conforming to the following:

<u>Size/Sieve Size</u>	<u>Percent Passing (by dry weight)</u>
<u>1/2 inch</u>	<u>100</u>
<u>3/8 inch</u>	<u>90-100</u>
<u>#4</u>	<u>35-45</u>
<u>#30</u>	<u>0-10</u>
<u>#200</u>	<u>0-3</u>

b. Local Material (approved select material excavated from the Site):

- 1) Granular material (sand, gravel).
- 2) Sand equivalent not less than 30.
- 3) Conforming to the requirements for imported bedding, unless otherwise approved by Owner.
- 4) Approved for use as bedding material by Owner prior to use.

8. Modify Paragraph 3.4B as follows:

B. Compaction Requirements:

MINIMUM COMPACTIONS		
LOCATION	SOIL TYPE	DENSITY
1. Pipe Embedment Material:		
All Locations	Cohesionless Soils	90 percent of max relative density by <u>California Test Method 216 (modified)ASTM D1557</u>
2. Trench Backfill:		
Under pavement or gravel roadway surfaces	Cohesive soils (within 3 feet of finished grade)	95 percent of max relative density by <u>California Test Method 216 (modified)ASTM D1557</u>

MINIMUM COMPACTIONS		
LOCATION	SOIL TYPE	DENSITY
Under non-traffic areas	Cohesive soils	90 percent of max relative density by California Test Method 216 (modified) ASTM D1557

9. Modify Paragraph 3.5A.1 as follows:
 1. Owner may perform in-place moisture-density tests [per California Test Method 231 \(modified\)](#) after receiving written request from Contractor.

VII. Changes to Drawings

- A. No changes.

VIII. Question(s)/Answer(s)

Owner's responses to Bidder questions shall be for the purposes of interpretation and clarification of the Contract Documents only, and shall not be construed as changing, superseding, or contradicting any express term in the Contract Documents. If any Bidder believes that a response to a question warrants a change in any term in the Contract Documents, the Bidder shall so request the change be made in writing addressed to Owner and received no later than the latest date for submitting Bidder questions. In the absence of a change in any term of the Contract Documents, the express terms of the Contract Documents shall have precedence. Bidder questions are listed below verbatim.

- A. An issue has come up with our insurance company regarding the insurance requirements. Please see below.

General Liability

For projects under \$10,000,000, the General Liability limits required are \$5,000,000 per occurrence/\$5,000,000 aggregate

For projects over \$10,000,000, the General Liability limits requires are \$10,000,000 per occurrence/\$10,000,000 aggregate

Both can be met with the use of our Umbrella policy of \$10,000,000

Auto Liability

For projects under \$10,000,000, the Auto Liability limits required are \$1,000,000 combined single limit

For projects over \$10,000,000, the Auto Liability limits requires are \$2,000,000 combined single limit

Both can be met with the use of our Umbrella policy

Professional Liability

Currently we do not have this coverage. The specifications state that this is required if the contractor or its employees engage in design or professional services. I do not believe this project requires this service, therefore the insurance is not required?

We would like to know if our Umbrella policy of \$10,000,000 will be sufficient?

Owner's response: Regarding Professional Liability coverage: This is in the Bidding Documents. Professional Liability coverage is required for design or professional activities

as listed in Document 00800 (Supplementary Conditions). Regarding Umbrella Policy: Yes, an umbrella policy can be sufficient if it covers, or is endorsed to cover, the requirements listed in Document 00800 (Supplementary Conditions).

- B. The existing emergency pump piping to be removed and replaced, can you tell me what type of pipe that is? Or direct me to where in the plans/specs it states what type of pipe is to be used?

Owner's response: Answered in this Addendum above.

- C. Pipe bedding is there a required gradation for this material?

Owner's response: Answered in this Addendum above.

- D. On the 6" force main, what kind of pipe will be required?

Owner's response: This is in the Bidding Documents. See Section 15061 (Pipe and Pipe Fittings: Basic Requirements), System 2, Ductile Iron Pipe.

- E. Does a second envelope, "Envelope B", have to be turned in at 4PM as well, Or Are we required to turn in all documents in a Single Envelope at 2PM?

Owner's response: This is in the Bidding Documents. See Document 00200 (Instructions to Bidders).

- F. Sheet 31 of 99 shows a coffer dam spillway detail and states that 1' section of rsp is to be placed, however there is no detail on how wide the rsp is to be placed, please clarify.

Owner's response: Bid per Bidding Documents. Width of the rsp at spillway depends on the cofferdam material used. See Section 02170 (Cofferdams and Protective Works) for Work Plan Submittal requirements.

- G. Division 7 of the Special Provisions has sections for bentonite waterproofing and dampproofing but I can't find any reference to this work on the plans. Is there any information to clearly describe where these systems are applied?

Owner's response: Bid per Bidding Documents.

- H. Is there any detail for the 12 ladders in the vertical slot wall section of the fish ladder?

Owner's response: Bid per Bidding Documents. See 05500 (Metal Fabrications).

- I. Is there any elevation for the water level that needs to be maintained at the fish ladder site or is the intent to divert the flow only?

Owner's response: Bid per Bidding Documents. Maintain water level above the emergency pumps intake. See Section 01100 (Summary), Paragraph 1.7D.1.

- J. The last time this project was bid, the Driven Steel Pipe Piling was specified to receive the same coating called out for the Permanent Sheet Piling per addendum #5, dated March 6, 2014.

This time, the Driven Steel Piling is referencing specification section 09905, which would require the pipe piling to receive a three coat epoxy system (system #1 per 09905-5).

Should the coating requirement on the Driven Steel Piling actual be the same as specified for both the Permanent Sheet Pile as well as the Steel H-Pile?

Owner's response: Bid per Bidding Documents.

- K. In order to assist our dewatering operation we intend to install a sheet pile cutoff wall. Can the cutoff wall remain in place after 15OCT2014?

Owner's response: Addressed in this addendum above.

- L. Section 15114 2.2 Knife Gates (see attached) there is a sole source of a Davis 70F this valve is nothing more than a commodity knife gate from China. There is no special engineering design features.

Here are two examples of similar Chinese valve companies that have the same products.

http://www.twtvalves.com/products_c2.htm

<http://cnglvalve.en.made-in-china.com/>

There are American Manufactures of this type of valve, such as ITT Fabri and others. Fabri has been producing knife gates since the mid 70's and has manufacturing capabilities for very large diameter knife gates.

Please change the specification to be Davis 70 F, Fabri 35 or equal.

Help support American companies

Owner's response: Bid per Bidding Documents.

- M. Where is the specification for the 36" flow meter shown for the 36" AWS System 1?

Owner's response: This is in the Bidding Documents. See Section 13442 (Primary Elements and Transmitters).

END OF DOCUMENT