



COUNTY OF MENDOCINO
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Facilities & Fleet Division

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ADDENDUM #:01

PROJECT: Covelo Airport Fencing Project, BID 029-22

DATE: Sept.11, 2022

ISSUED BY: Walter Kolon, Facilities Project Specialist II

The additions, omissions, clarifications, and/or corrections herein shall be made part of the Contract plans and specifications and shall be included in the Scope of Work and proposals to be submitted. This Addendum modifies the original plans and specifications as described below.

INQUIRIES AND CLARIFICATIONS TO PROJECT PLANS AND SPECIFICATIONS

1. Q: Is this a Buy America project?

A: No, this is not federally funded and therefore not a Buy America project.

2. Q: The quantities required for the base bid and alternate are not clearly defined, please provide clarification for the alternate bids.

A: Revise legend note on sheet A101 as follows: New Chain Link Fencing, 4' High, approximately 5,960 linear feet. Base Bid, 3150 linear feet and Alternate Bid, 2810 linear feet.

3. Q: The areas to be fenced have high weeds and areas of potential grading, who is responsible to prepare the site? Can the county mow?

A: The work of this contract will be performed on the site in "as is" condition. Conform to existing grades, any vegetation removal, grubbing and grading that may be required is the responsibility of the contractor.

4. Q: Is a top rail needed on the 4-foot-tall fence? Can a tension wire be used instead?

A: Provide top rail as shown.

5. Q: The Detailed Fence Elevation on Plan Sheet A102, as well as the Chain Link Fence Specification Paragraph 2.2 Section A-1 call out 2" OD Line Posts and 2-1/2" OD Terminal Posts. the pipe OD's that they have called out do not exist - we need clarification on the actual sizing.

A: Please see attached revised specifications regarding post sizes.

6. Q: Can you quantify the sign amounts.

A: See Signage Notes 5 & 6 on page A102 Site Details.

7. Q: In the Qualification Application it asks for the owners Social Security Number, is it necessary to provide the full SSN?

A: Refer to Section 00100 INSTRUCTIONS TO BIDDERS 1.14.F, the purpose of the Qualification Application is to provide a means for Contractors to show "that they have the facilities and experience necessary to perform the required construction..." and Section 001200-QUALIFICATION APPLICATION "The information contained in this Application is confidential and is for the sole use of County in evaluating the qualifications of Bidder. Only the information below (Contact Information) is considered public information."

8. Q: Are there any Disadvantaged Business Enterprises (DBE) or Disabled Veterans Business Enterprises (DVBE) requirements?

A: No there are not.

ADDITIONAL INFORMATION

See attached set of revised specifications.

Bidders are reminded that they shall complete the Addenda Acknowledgement in the Bid Form of their Specification Book (Section 00310-2). Failure to do so may result in disqualification of the submitted bid.

SECTION 323113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Chain-link fences.
2. Horizontal-slide gates.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for the following:
 - a. Fence posts, rails, and fittings.
 - b. Chain-link fabric, reinforcements, and attachments.

1.3 FIELD CONDITIONS

- A. Field Measurements: Verify layout information for chain-link fences shown on Drawings in relation to existing structures. Verify dimensions by field measurements.

1.4 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
 - a. Failure to comply with performance requirements.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - c. Faulty operation of gate operators and controls.
2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist according to "CLFMI Product Manual" and requirements indicated below:
1. Fabric Height: 4 foot.
 2. Steel Wire for Fabric: Wire diameter of **0.192 inch** (**4.88 mm**).
 - a. Mesh Size: **2 inches** (**50 mm**).
 - b. Zinc-Coated Fabric: ASTM A392, Type II, Class 1, **1.2 oz./sq. ft.** (**366 g/sq. m**) with zinc coating.

2.2 FENCE FRAMEWORK

- A. Posts and Rails: ASTM F1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F1043 based on the following:
1. Fence Height: 48 inches.
 - a. Line Post: ~~2-0~~ **1-7/8** inches outside diameter.
 - b. End, Corner, and Pull Posts: ~~2-5~~ **2-3/8** inches outside diameter.
 - c. _____
 - d. **Top Rail: 1.66 inches (42 mm) in diameter.**
 2. Metallic Coating for Steel Framework:
 - a. Type A: Not less than minimum **2.0-oz./sq. ft.** (**0.61-kg/sq. m**) average zinc coating according to ASTM A123/A123M or **4.0-oz./sq. ft.** (**1.22-kg/sq. m**) zinc coating according to ASTM A653/A653M.
 - b. Type B: Zinc with organic overcoat, consisting of a minimum of **0.9 oz./sq. ft.** (**0.27 kg/sq. m**) of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film.
 - c. External, Type B: Zinc with organic overcoat, consisting of a minimum of **0.9 oz./sq. ft.** (**0.27 kg/sq. m**) of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film. Internal, Type D, consisting of 81 percent, not less than **0.3-mil-** (**0.0076-mm-**) thick, zinc-pigmented coating.
 - d. Type C: Zn-5-Al-MM alloy, consisting of not less than **1.8-oz./sq. ft.** (**0.55-kg/sq. m**) coating.
 - e. Coatings: Any coating above.

2.3 TENSION WIRE

- A. Metallic-Coated Steel Wire: **0.177-inch-** (**4.5-mm-**) diameter, marcelled tension wire according to ASTM A817 or ASTM A824, with the following metallic coating:

1. Type II: Zinc coated (galvanized) by hot-dip process, with the following minimum coating weight:
 - a. Class 3: Not less than 0.8 oz./sq. ft. (244 g/sq. m) of uncoated wire surface.

2.4 HORIZONTAL-SLIDE GATES

- A. General: ASTM F1184 for gate posts and single sliding gate types.
 1. ~~Classification: Type I Overhead Slide.~~
 - a. Gate Leaf Width: 16 feet.
 - b. Framework Member Sizes and Strength: Based on gate fabric height of 48 inches.
- B. Pipe and Tubing:
 1. Zinc-Coated Steel: Manufacturer's standard protective coating and finish.
 2. Gate Posts: ASTM F1184. Provide round tubular steel posts.
- C. Frame Corner Construction: Welded or assembled with corner fittings.
- D. Hardware:
 1. Hangers, Roller Assemblies, and Stops: Fabricated from galvanized steel.
 2. Latch: Permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

2.5 FITTINGS

- A. Provide fittings according to ASTM F626.
- B. Post Caps: Provide for each post.
 1. Provide line post caps with loop to receive tension wire or top rail.
- C. Rail and Brace Ends: For each gate, corner, pull, and end post.
- D. Rail Fittings: Provide the following:
 1. Top Rail Sleeves: Pressed-steel or round-steel tubing not less than 6 inches (152 mm) long.
- E. Tension and Brace Bands: Pressed steel.
- F. Tie Wires, Clips, and Fasteners: According to ASTM F626.
 1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, according to the following:
 - a. Hot-Dip Galvanized Steel: 0.106-inch- (2.69-mm-) diameter wire.

G. Finish:

1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. (366 g/sq. m) of zinc.

2.6 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating, and that is recommended in writing by manufacturer for exterior applications.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet (152 m) or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 CHAIN-LINK FENCE INSTALLATION

- A. Install chain-link fencing according to ASTM F567 and more stringent requirements specified.
 1. Install fencing on established boundary lines inside property line.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.

- a. Exposed Concrete: Extend 2 inches (50 mm) above grade; shape and smooth to shed water.
- D. Terminal Posts: Install terminal end, corner, and gate posts according to ASTM F567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more. For runs exceeding 500 feet (152 m), space pull posts an equal distance between corner or end posts.
- E. Line Posts: Space line posts uniformly at 10 feet (3 m) o.c.
- F. Tension Wire: Install according to ASTM F567, maintaining plumb position and alignment of fence posts. Pull wire taut, without sags. Fasten fabric to tension wire with 0.120-inch- (3.05-mm-) diameter hog rings of same material and finish as fabric wire, spaced a maximum of 24 inches (610 mm) o.c. Install tension wire in locations indicated before stretching fabric. Provide horizontal tension wire at the following locations:
 1. Extended along bottom of fence fabric. Install top tension wire through post cap loops. Install bottom tension wire within 6 inches (152 mm) of bottom of fabric and tie to each post with not less than same diameter and type of wire.
- G. Top Rail: Install according to ASTM F567, maintaining plumb position and alignment of fence posts. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.
- H. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1-inch (25-mm) bottom clearance between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts, with tension bands spaced not more than 15 inches (380 mm) o.c.
- J. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric according to ASTM F626. Bend ends of wire to minimize hazard to individuals and clothing.
 1. Maximum Spacing: Tie fabric to line posts at 12 inches (300 mm) o.c. and to braces at 24 inches (610 mm) o.c.
- K. Fasteners: Install nuts for tension bands and carriage bolts on the side of fence opposite the fabric side.

3.4 GATE INSTALLATION

Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation.

3.5 ADJUSTING

Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

END OF SECTION 323113