

LETTER OF TRANSMITTAL

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FROM: Philip Schofield, P.E.

DATE: December 13, 2021

PROJ. NO.: G21028

SUBJECT: Addendum No. 1
Bartow County, GA
Chitwood Cove Road Water Relocation Bid No. 21-55-08

PAGES: 14 pages to follow

PLEASE RESPOND → → → →	TO CONFIRM RECEIPT OF THIS ADDENDUM NO. 1 PLEASE SIGN AND EMAIL TO CTI vvisco@ctiengr.com
	Company _____
	Signature _____
	Title _____
	Date _____

**ADDENDUM NO. 1
BARTOW COUNTY, GEORGIA
FOR THE CONSTRUCTION OF THE
CHITWOOD ROAD WATER RELOCATION
Bid No. 21-55-08**

The following changes shall be made to the Contract Documents, Specifications, and Drawings:

CONTRACT DOCUMENTS

- A. **Section 00 11 00, Advertisement for Bids.** Page 00 11 00-1. In the first paragraph, line 5, DELETE the words "December 16, 2021," and SUBSITUTE therefor the words, "Thursday, January 6, 2022." The bid time remains the same.
- B. **Section 00 42 00, Bid Schedule.** REMOVE Pages 00 42 00-1 through 00 42 00-4 and REPLACE with the attached Pages 00 42 00-1.1 through 00 42 00-4.1.
- C. **Section AIS, American Iron and Steel Special Conditions and Information.** ADD Pages AIS-1 through AIS-10.

SPECIFICATIONS

- A. See Addendum No. 2

DRAWINGS

- A. See Addendum No. 2

CLARIFICATIONS

- A. Bartow County is providing all 8-inch and 6-inch ductile iron pipe for this project. Prices in the bid for these items are for installation.
- B. A separate addendum will be issued for requirements related to federally funded projects.
- C. Questions/answers are attached as Page AD1-2 through AD1-4.

Date: December 13, 2021

CTI Engineers, Inc.
/s/ Philip R. Schofield, P.E.
Senior Project Manager

**ADDENDUM NO. 1
BARTOW COUNTY, GEORGIA
FOR THE CONSTRUCTION OF THE
CHITWOOD ROAD WATER RELOCATION
Bid No. 21-55-08**

QUESTIONS/ANSWERS

1. Chitwood Cove Road appears to have a lot of patches on it. Is there a plan to resurface this road in the near future or after this main is installed? *Chitwood Cove Road is scheduled for resurfacing. The purpose of this project is to replace this waterline prior to the paving project.*
2. It states a 40 hour work week. Can that be amended to a 50 hour work week? *As noted in Section 00 73 00 -21, the contractor can deviate from the 40-hour work week with approval in writing by the owner. This is typically addressed at the pre-construction conference.*
3. Will there be any pavement markings needed? If so will you add a line item for? *Due to the expedited nature of the waterline replacement to accommodate the paving project, there will be no need for permanent pavement markings.*
4. Heavy duty paving says 10 tons, does that line item mean 10 tons each, for 19 mm, 9.5 mm, and GAB? *The intent is for there to be 10 tons total for both 19mm and 9.5mm asphalt. The bid schedule (see Addendum No. 2) has been revised to split those pay items. Prep work prior to paving is included in this pay item (saw cutting and base stone compaction). The base stone and GAB pay items are included in 31 20 00a, 31 20 00b, and 31 20 00b.*
5. Does topsoiling have to be done or can existing topsoil be used? *Pay item 31 25 00g, Topsoil, is for imported topsoil. Onsite topsoil, if is suitable, is included in pay item 31 20 00d.*
6. Will a water meter be required to fill new line? If so will there be a charge to contractor? *Bartow County will provide the water for testing at no cost to the contractor, however, the contractor will be required to provide backflow measures.*
7. Will the abandoned water mains need to be filled? *This is not currently a requirement.*
8. Do you have an estimate for this project? *Approximately \$650,000*
9. If jack & bore operation hits rock and cannot proceed, will the Contractor have the option to open cut and remove rock and be paid per existing line items in the contract? *No, County roads are not allowed to be open cut.*
10. If Contractor does not have option to open cut if jack and bore operation hits rock, will Contractor be issued change order for additional costs to drill rock? *See revised bid schedule in Addendum No. 2.*

11. Measurement & Payment item 3.6.A states jack & bore is to include carrier pipe but bid form provides a line item for carrier pipe. Please confirm measurement and payment for carrier pipe? *As stated above, Bartow County is supplying the 6-inch pipe on this project, including the carrier pipe. The installation of the owner supplied carrier pipe shall be included in pay item 03 05 23a.*
12. Measurement & Payment item 3.2.D states no extra payment will be made for rock excavation, but a line item exists for rock removal. Please confirm measurement and payment for rock removal? *Trench rock excavation will be paid via item 31 20 00e on the bid schedule.*
13. Do prices for DI fittings EA need to be provided since payment is per pound? Can bid form be revised so it is clear if a dollar amount is to be provided for EA or not? *Fittings listed individually will be paid for EA (each). Miscellaneous fittings not listed individually is a contingency and shall be paid by LBS (pounds).*
14. Were test bores taken for this project? If so can the reports be provided? *No*
15. What is the funding source for this project? *Federal and local funds.*
16. What is the anticipated award schedule for this project? *The bids will be reviewed and project awarded as soon as practicable.*
17. Is a PVC casing required for the ¾" copper service tubing? *Yes for long side services.*
18. The contract time is concerning for this type of job. Will the Engineer/Owner consider extending the project duration? *No. This project is being expedited due to the impending paving project.*
19. Will the project duration be extended if rock is encountered? *Claims and/or requests for time extensions will be evaluated on a case-by-case basis during construction.*
20. If road is damaged during excavation, will the replacement be paid for out of the existing line item 32 10 00a? *32 00 00a and 32 10 00b are to be used for any asphalt patching required prior to the separate paving project.*
21. If excavation that runs parallel to the road requires contractor to cut asphalt, does the asphalt need to be replaced full lane width or just additional amount to install a cap? *The purpose of this project is to replace the waterline prior to a separate road paving project. Patch paving is to be utilized to provide a suitable roadway until such time that the paving project commences. It is not proposed for there to any full width pavement nor a cap as part of this project.*
22. If excavation that runs parallel to the road requires contractor to cut asphalt out of necessity, does the asphalt and stone backfill then get paid out of existing line items? *Yes*

23. Is the intent of the asphalt and concrete pavement replacement details on sheet D-3.0 for full road/driveway cuts or will it apply if shoulder cuts get into the roadway? *The details on drawing D-3.0 are intended for asphalt and concrete pavement cuts.*
24. Is the use of standard GDOT GAB in lieu of pug mix acceptable? *Yes, if pug mix is called out on a detail the intent is for GDOT GAB to be installed.*
25. Wanted to confirm Bartow County would require domestic waterline fittings for public jobs? *Due to this project involving federal funds, import fittings will not be allowed.*

AMERICAN IRON AND STEEL SPECIAL CONDITIONS AND INFORMATION

For

FEDERALLY ASSISTED STATE REVOLVING LOAN FUND CONSTRUCTION CONTRACTS

March 18, 2014

The Following standard language must be incorporated into construction contract documents and in all solicitations for offers and bids for all construction contracts or subcontracts to be funded, in whole or in part, through the Federally-assisted State Revolving Fund in the State of Georgia for projects subject to the American Iron and Steel requirements.

These Special Conditions shall not relieve the participants in this project of responsibility to meet any requirements of other portions of this construction contract or of other agencies, whether these other requirements are more or less stringent. The requirements in these Special Conditions must be satisfied in order for work to be funded with the State Revolving Fund.

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GENERAL REQUIREMENTS

These Special Conditions are based on guidance provided by the United States Environmental Protection Agency (EPA). Public Law 113-76, the Consolidated Appropriations Act, 2014 (Act), includes an “American Iron and Steel” (AIS) requirement that requires State Revolving Loan Fund (SRF) assistance recipients to use iron and steel products that are produced in the United States for projects in this project. A copy of Section 436 of the Act is found in Appendix 3.

The products and materials subject to these requirements will be defined in Appendix 1 of these special conditions.

The Owner must maintain documentation of compliance with the AIS requirements. The documentation that the Owner maintains will be subject to review and audit by representatives of the state of Georgia, the EPA, the EPA Office of the Inspector General, and other federal authorities.

The Prime Contractor must provide certifications of compliance for all products subject to AIS requirements to the Owner prior to requesting payments for those products. The Owner or the Engineer may require certifications of compliance with submittals and shop drawings for these products as part of the submittal review process.

All manufacturing processes for a covered iron or steel product, as further defined in Appendix 1, must take place in the United States. If a covered product is taken out of the US for any part of the manufacturing process, it becomes foreign source material.

The EPA recommends the use of a step certification process to document the locations of the manufacturing processes involved with the production of steel and iron materials. A step certification is a process under which each handler (supplier, fabricator, manufacturer, processor, etc.) of the iron and steel products certifies that its step in the process was domestically performed. Each time a step in the manufacturing process takes place, the manufacturer delivers its work along with a certification of its origin. A certification should include the name of the manufacturer, the location of the manufacturing facility where the product or process took place (not its headquarters), a description of the product or item being delivered, and a signature by a manufacturer’s responsible party. Attached in Appendix 2 is a sample step certification.

Alternatively, the final manufacturer that delivers the iron or steel product to the worksite, vendor, or contractor, may provide a certification asserting that all manufacturing processes for the product and for its iron and steel components occurred in the United States. The EPA states that additional documentation may be needed if the certification lacks important information and recommends step certification as the best practice. A sample final manufacturer certification is attached in Appendix 2.

Contractor, supplier, and manufacturer records are subject to review and audit by the EPA, its Inspector General, and other federal authorities.

Failure to comply with these requirements may delay, limit, or prevent the disbursement of SRF funds to the Owner. Violations of AIS requirements will require correction by the Contractor as determined by the Owner and Engineer, including replacement of deficient products with compliant products and compensation for costs and other damages that may result. Violations may also subject the Owner, the Contractor, and suppliers to other enforcement actions within the discretion of the EPA and other federal authorities.

The Act permits EPA to issue waivers for a case or category of cases in which EPA finds (1) that applying these requirements would be inconsistent with the public interest; (2) iron and steel products are not produced in the US in sufficient and reasonably available quantities and of a satisfactory quality; or (3) inclusion of iron

and steel products produced in the US will increase the cost of the overall project by more than 25 percent. The Contractor should notify the Owner and Engineer immediately if it finds that a waiver may be required.

By submitting a bid for this project and by executing this construction contract, the Contractor acknowledges to and for the benefit of the Owner and the state of Georgia that it understands that the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund or the Drinking Water State Revolving Fund and that Federal law authorizing these Funds contains provisions commonly known as "American Iron and Steel" that requires all of the iron and steel products used in the project to be produced in the United States ("American Iron and Steel Requirement") including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Owner and the state of Georgia that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Owner or the state of Georgia. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Owner or the state of Georgia to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney's fees) incurred by the Owner or the state of Georgia resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the state of Georgia or any damages owed to the state of Georgia by the Owner). The Owner and the Contractor agree that the state of Georgia, as a lender to the Owner for the funding of its project, is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the state of Georgia.

Appendix 1 – Definitions

For purposes of the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) projects that must comply with the AIS requirement, an iron or steel product is one of the following made primarily of iron or steel that is permanently incorporated into the project:

Lined or unlined pipes or fittings;
Manhole Covers;
Municipal Castings (defined in more detail below);
Hydrants;
Tanks;
Flanges;
Pipe clamps and restraints;
Valves;
Structural steel (defined in more detail below);
Reinforced precast concrete; and
Construction materials (defined in more detail below).

Product primarily of iron or steel: The product must be made of greater than 50% iron or steel, measured by cost. If one of the listed products is not made primarily of iron or steel, United States (US) provenance is not required. If a product is composed of more than 50% iron or steel, but is not listed in Section 436. (a)(2) of the Act, it is not required to be produced in the US. Alternatively, the iron or steel in such a product can be sourced from outside the US.

Steel: An alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements. Other alloys of iron are not required to be produced in the US.

Produced in the United States: Production in the US of the iron or steel products used in the project requires that all manufacturing processes, including application of coatings, must take place in the United States, with the exception of metallurgical processes involving refinement of steel additives. All manufacturing processes includes processes such as melting, refining, forming, rolling, drawing, finishing, fabricating and coating. Further, if a domestic iron and steel product is taken out of the US for any part of the manufacturing process, it becomes foreign source material. However, raw materials such as iron ore, limestone and iron and steel scrap are not covered by the AIS requirement, and the material(s), if any, being applied as a coating are similarly not covered. Non-iron or steel components of an iron and steel product may come from non-US sources. For example, for products such as valves and hydrants, the individual non-iron and steel components do not have to be of domestic origin.

Municipal Castings: Municipal castings are cast iron or steel infrastructure products that are melted and cast. They typically provide access, protection, or housing for components incorporated into utility owned drinking water, storm water, wastewater, and surface infrastructure. They are typically made of grey or ductile iron, or steel. Examples of municipal castings include access hatches, ballast screen, benches, bollards, cast bases, cast iron hinged hatches, cast iron riser rings, catch basin inlets, cleanout/monument boxes, construction covers and frames, curb and corner guards, curb openings, detectable warning plates, downspout shoes, drainage grates, frames & curb inlets, inlets, junction boxes, lampposts, manhole covers, rings & frames, risers, meter boxes, steel hinged hatches, steel riser rings, trash receptacles, tree grates, tree guards, trench grates, and valve boxes.

Structural Steel: Structural steel is rolled flanged shapes, having at least one dimension of their cross-section 3 inches or greater, which are used in the construction of bridges, buildings, ships, railroad rolling

stock, and for numerous other constructional purposes. Such shapes are designated as wide-flange shapes, standard I-beams, channels, angles, tees and zees. Other shapes include H-piles, sheet piling, tie plates, cross ties, and those for other special purposes.

Reinforced Precast Concrete: While reinforced precast concrete may not be at least 50% iron or steel, in this particular case, the reinforcing rebar must be produced in the US and meet the same standards as for any other iron or steel product. Additionally, the casting of the concrete product must take place in the US. If the reinforced concrete is cast at the construction site, the reinforcing rebar is considered to be a construction material and must be produced in the US.

Construction Materials subject to AIS: Construction materials are those articles, materials, or supplies made primarily of iron and steel, that are permanently incorporated into the project, not including mechanical and/or electrical components, equipment and systems. Some of these products may overlap with what is also considered "structural steel". This includes, but is not limited to, the following products: welding rods, wire rod, bar, angles, concrete reinforcing bar, wire, wire cloth, wire rope and cables, tubing, framing, joists, trusses, fasteners, decking, grating, railings, stairs, access ramps, fire escapes, ladders, wall panels, dome structures, roofing, ductwork, surface drains, cable hanging systems, manhole steps, fencing and fence tubing, guardrails, doors, gates, and screens.

Construction Materials not subject to AIS: Mechanical and/or electrical components, equipment and systems are not considered construction materials. The following examples are NOT considered construction materials: gear reducers, drives, mixers, heat exchangers, pumps, motors, blowers/aeration equipment, meters, variable frequency drives (VFDs), valve actuators, controls, supervisory control and data acquisition (SCADA), membrane bioreactor systems, membrane filtration systems, filters, disinfection systems, belt presses, HVAC (excluding ductwork), water heaters, generators, cabinetry and housings, lighting fixtures, electrical conduit, emergency life systems, metal office furniture, shelving, laboratory equipment, and analytical instrumentation.

Items temporarily used during construction, which are removed from the project site upon completion of the project, are not required to be made of U.S. Iron or Steel. For example, trench boxes or scaffolding are not considered construction materials subject to AIS requirements.

Appendix 2 – Sample Certifications Step Certification

The following information is provided as a sample letter of step certification for American Iron and Steel compliance. Documentation must be provided on company letterhead. This is to be provided by each handler (supplier, fabricator, manufacturer, processor, etc.). Each time a step in the manufacturing process takes place, the handler delivers its work along with a certification of its origin.

Date

Company Name
Company Address
City, State Zip

Subject: American Iron and Steel Step Certification for Project (**Insert project name and SRF number**)

I, (company representative), certify that the (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

List of items, products and/or materials:

If any of the above compliance statements change while providing material to this project, we will immediately notify the prime contractor and the engineer.

Signed by company representative

Appendix 2 – Sample Certifications

The following information is provided as a sample letter of the final manufacturer to certify American Iron and Steel compliance for the entire manufacturing process. Documentation must be provided on company letterhead.

Date

Company Name
Company Address
City, State Zip

Subject: American Iron and Steel Certification for Project (Insert project name and SRF number)

I, (company representative), certify that the following products and/or materials shipped/provided to the subject project are in full compliance with the American Iron and Steel requirement of P.L. 113-76 and as mandated in EPA's State Revolving Fund Programs.

List of items, products and/or materials:

If any of the above compliance statements change while providing material to this project, we will immediately notify the prime contractor and the engineer.

Signed by company representative

Appendix 3 – P.L. 113-76, Consolidated Appropriations Act, 2014

The Act states:

Sec. 436. (a)(1) None of the funds made available by a State water pollution control revolving fund as authorized by title VI of the Federal Water Pollution Control Act (33 U.S.C. 1381 et seq.) or made available by a drinking water treatment revolving loan fund as authorized by section 1452 of the Safe Drinking Water Act (42 U.S.C. 300j-12) shall be used for a project for the construction, alteration, maintenance, or repair of a public water system or treatment works unless all of the iron and steel products used in the project are produced in the United States.

(2) In this section, the term “iron and steel products” means the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.

(b) Subsection (a) shall not apply in any case or category of cases in which the Administrator of the Environmental Protection Agency (in this section referred to as the “Administrator”) finds that—

(1) applying subsection (a) would be inconsistent with the public interest;

(2) iron and steel products are not produced in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or

(3) inclusion of iron and steel products produced in the United States will increase the cost of the overall project by more than 25 percent.

(c) If the Administrator receives a request for a waiver under this section, the Administrator shall make available to the public on an informal basis a copy of the request and information available to the Administrator concerning the request, and shall allow for informal public input on the request for at least 15 days prior to making a finding based on the request. The Administrator shall make the request and accompanying information available by electronic means, including on the official public Internet Web site of the Environmental Protection Agency.

(d) This section shall be applied in a manner consistent with United States obligations under international agreements.

(e) The Administrator may retain up to 0.25 percent of the funds appropriated in this Act for the Clean and Drinking Water State Revolving Funds for carrying out the provisions described in subsection (a)(1) for management and oversight of the requirements of this section.

(f) This section does not apply with respect to a project if a State agency approves the engineering plans and specifications for the project, in that agency’s capacity to approve such plans and specifications prior to a project requesting bids, prior to the date of the enactment of this Act.

Certification Letter Example

633 Chestnut Street Suite 1200
Chattanooga, TN 37460

Certification of Compliance with American Iron and Steel (AIS) Provisions

November 12, 2014

Subject: ██████████ Construction, Custer Avenue, Lyons, IL

I, ██████████ certify that the following gate valves provided to the ██████████ project in Lyons, IL are in compliance with the American Iron and Steel requirement as mandated in the Environmental Protection Agency's State Revolving Fund Programs and as interpreted by the EPA.

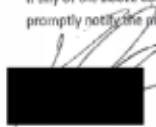
Items, Products and/or Materials:

1. A-2360-19, FL x MJ Resilient Wedge Gate Valve, 6" qty. 1, 8" qty. 1
2. A-2360-23, MJ x MJ Resilient Wedge Gate Valve, 8" qty. 5

The products that are the subject of this certificate were manufactured in Chattanooga, TN.

All gate valve components are cast, machined, assembled and tested in the United States with the exception of fasteners, stem material and two small castings (stuffing box/op nut) which account for less than 10% of the manufacturing cost.

If any of the above compliance statements change while providing material to this project, we will promptly notify the prime contractor or the engineer.


VP Product Management & Marketing

Reference to AIS requirements

Project name/location

Specific items for project

Where the items were manufactured

Signature

Bonus Points for Notary. Not required



Notarized By: 
My Commission Expires: 5/27/18