

Addendum No. 1 for

SPANISH FORK PROVO RESERVOIR CANAL PIPELINE - MAPLETON REACH

CONTRACT C-2009-04



CENTRAL UTAH
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MAY 2009



ADDENDUM NO. 1 to
 Spanish Fork Provo Reservoir Canal Pipeline – Mapleton Reach
 Contract C-2009-04
 May 11, 2009

The following ADDENDUM (2 pages of text, 0 Drawings and 3 Attachments) shall be made part of the contract documents, and the bidder shall acknowledge receipt thereof on page B1-3 of the BID FORM.

VOLUME 1 - SPECIFICATIONS

- A1.1 **BID OPENING TIME CHANGE.** The Spanish Fork Provo Reservoir Canal Pipeline – **Mapleton Reach Bid Opening time is hereby changed to 2:00 pm on Tues. May, 19, 2009.** CHANGE these times in pages NB-2, NB-4 and other relevant references in Contract Documents.
- A1.2 Page NB-1, after “Appendix B – . . .”, ADD “Appendix C - UDOT Highway Specifications”; and on pg GC-6-3, after “Fifth: Special Conditions (Division 1)”, ADD “ Appendix C - UDOT Highway Specifications govern construction of all UDOT facilities. Divisions 2-16 specs govern construction of all CUWCD and other facilities, except (see Section 01010) where APWA Standards apply.”
- A1.3 General. Throughout all Contract Documents, CHANGE “State Route 89” and “SR 89” to “US 89”.
- A1.4 Section 01529, line 2, after “shoring, bracing, sloping” INSERT “rock falls, slope failures,”.
- A1.5 Section 01999, DELETE entire section and SUBSTITUTE **Attachment 1** (10 pgs), 01999 America Recovery and Reinvestment Act of 2009.
- A1.6 ADD **Attachment 2** (7 pgs), Section 02009, Public Information Program.
- A1.7 Section 02010, pg 9, after paragraph C ADD: “Keep one traffic lane open at all times South of Station 60+00 and keep two traffic lanes open at all times North of Station 60+00.” On pg 9 line 2, CHANGE “Be sure” to “Provide.” On pg 8, DELETE table at top of page and SUBSTITUTE:

<u>“Time US 89 Traffic is Delayed (beyond the 20 mins allowed)</u>	<u>Disincentive Amount per Incident (damages assessed Contractor)</u>
0 to 15 mins	\$5,000
15.1 to 30 mins	\$10,000
30.1 to 45 mins	\$15,000
45.1 to 60 mins	<u>\$20,000</u>
So total disincentive for 60 min delay =	\$50,000
60.1 mins to 2 hours	<u>\$50,000</u>
So total disincentive for 2 hour delay =	\$100,000
Each additional 15 mins (beyond 2 hours)	\$50,000
	\$50,000
	\$50,000
	<u>\$50,000</u>
So total disincentive for 3 hour delay =	\$300,000
And total disincentive for 4 hour delay=	\$500,000 (and so forth)”
- A1.8 Section 02200, paragraph 1.3.H., line 3, after “Embankment” ADD “, trench backfill, and other”.

A1.9 Section 02223, paragraph 2.10.B, CHANGE “(Only for . . .)” to “(for all pipe & conduit except 60)”.

A1.9 ADD **Attachment 3** (5 pgs text, 1 page or details), Section 02401, Roadway Undercrossings.

VOLUME 2 - DRAWINGS

A1.10 Dwg P-1, P-2, P-3 (Sta 11+40 to 45+20) ADD these Notes to each Dwg:

1. Backfill trench to 5' min over pipe. Provide 2% min slope away from road.
2. Union Pacific RR OH switch lines are over UDOT west R/W line. Note UPRR/UDOT R/W monuments (see plans) at about Sta's 11+00, 33+05, and 42+30 are offset from CL 60" pipe 11', 11', and 12', respectively. Keep 60" pipe construction 4-foot min clear of these lines (horizontally & vertically). Call Construction Manager & UPRR David Black immediately (801-389-9051) if work in any way touches poles, cross bars, wires or guys."

A1.11 On various P- Dwg: The Contractor shall jack (not open cut) ALL (16 total) new pipes crossing US 89 per Section 02401, Roadway Undercrossings of this addendum. Casings for each US 89 crossing shall extend 10-feet min beyond US 89 asphalt, or if casing ends are under pavement at intersections, to the extended UDOT R/W.

- Where 1 or 2 C900 water pipes are called for, DELETE the C900 water pipes and ADD an equal number of WSP casings. Space casings 5-foot min apart. Provide 4" THK redwood bulkheads at ends. If potholing/surveying finds no utility conflicts, center casings on 12" pipe elevations in P- Dwg. If potholing/surveying finds conflicts, provide an alternative profile. At Sta 130+75 end casing 5' east of drain ("DR" in plans). Align casing so a future 12" PVC pipe can clear the 60" WSP & RCP drain.
- Where plans call for sewer pipes crossing US 89, CHANGE each to a sewer pipe in a WSP casing. Cut each sewer casing at east side of 60" pipe trench and make open-cut connection to existing MH.

A1.12 Dwg TC-1, CHANGE the two 11' lanes and 2' median to two 12' lanes without median.

A1.13 Dwg SD-3, in Trench Detail (801) CHANGE "REQUIRED SHORING PER SPECS" to "REQUIRED SLIDE RAIL SHORING PER SPECS". Also, in Trench Detail (801), ADD the note "REQUIRED SLIDE RAIL SHORING PER SPECS". Thus, slide rail shoring is required in all 60-inch pipe trenches.

A1.14 Dwg SD-3, in Trench Detail (803) after "Trench Zone" ADD "4-FT MIN THICK"

A1.15 Dwg SD-4, Detail (871), at the end of Note 3, ADD: "Remove existing paint without grinding. Replace paint to existing inlay when paving is complete. Any saw cut into an asphalt travel lane with require the entire travel line to be rotomilled down 2-inches and replace with UDOT-approved PG mix and surface course."

A1.16 Dwg SD-11, Detail (15449), ADD note: "Cast seep ring into center of roof slab, Detail (15608), sim. Provide GE CPLG (where applicable) 6-12" below roof." DELETE "4 #4 Adhesive Dowels EQ SP"

VOLUME 3 – GEOTECHNICAL REPORTS (Electronic Documents on CD)

A1.17 Values in column "Approx. Pipe Invert Depth" have changed from 85% plans to bid documents. DELETE this column in table and use the May 2009 plan and profile drawing pipe depths.

A1.18 AutoCAD files of bid Dwg are available on CD & may be picked up from Chris Hansen 801-226-7140

END OF ADDENDUM NO. 1

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01999 AMERICA RECOVERY AND REINVESTMENT ACT OF 2009

A portion of the funding for this project is provided by the America Recovery and Reinvestment Act of 2009. The selected Contractor must comply with the provisions of said act as specified in the act and in the contract documents including but not limited to the following sections of said act.

Sec. 902. Access of Government Accountability Office.

(a) ACCESS- Each contract awarded using funds made available in this Act shall provide that the Comptroller General and his representatives are authorized—

- (1) to examine any records of the contractor or any of its subcontractors, or any State or local agency administering such contract, that directly pertain to, and involve transactions relating to, the contract or subcontract; and*
- (2) to interview any officer or employee of the contractor or any of its subcontractors, or of any State or local government agency administering the contract, regarding such transactions.*

(b) RELATIONSHIP TO EXISTING AUTHORITY- Nothing in this section shall be interpreted to limit or restrict in any way any existing authority of the Comptroller General.

SEC. 1512. REPORTS ON USE OF FUNDS.

(a) Short Title- This section may be cited as the `Jobs Accountability Act'.

(b) Definitions- In this section:

(1) RECIPIENT- The term `recipient'--

- (A) means any entity that receives recovery funds directly from the Federal Government (including recovery funds received through grant, loan, or contract) other than an individual; and*
- (B) includes a State that receives recovery funds.*

(2) RECOVERY FUNDS- The term `recovery funds' means any funds that are made available from appropriations made under this Act.

(c) Recipient Reports- Not later than 10 days after the end of each calendar quarter, each recipient that received recovery funds from a Federal agency shall submit a report to that agency that contains--

- (1) the total amount of recovery funds received from that agency;*
- (2) the amount of recovery funds received that were expended or obligated to projects or activities; and*
- (3) a detailed list of all projects or activities for which recovery funds were expended or obligated, including--*

- (A) the name of the project or activity;*
- (B) a description of the project or activity;*
- (C) an evaluation of the completion status of the project or activity;*
- (D) an estimate of the number of jobs created and the number*

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*of jobs retained by the project or activity; and
(E) for infrastructure investments made by State and local governments, the purpose, total cost, and rationale of the agency for funding the infrastructure investment with funds made available under this Act, and name of the person to contact at the agency if there are concerns with the infrastructure investment.*

(4) Detailed information on any subcontracts or subgrants awarded by the recipient to include the data elements required to comply with the Federal Funding Accountability and Transparency Act of 2006 (Public Law 109-282), allowing aggregate reporting on awards below \$25,000 or to individuals, as prescribed by the Director of the Office of Management and Budget.

(d) Agency Reports- Not later than 30 days after the end of each calendar quarter, each agency that made recovery funds available to any recipient shall make the information in reports submitted under subsection (c) publicly available by posting the information on a website.

(e) Other Reports- The Congressional Budget Office and the Government Accountability Office shall comment on the information described in subsection (c)(3)(D) for any reports submitted under subsection (c). Such comments shall be due within 45 days after such reports are submitted.

(f) COMPLIANCE- Within 180 days of enactment, as a condition of receipt of funds under this Act, Federal agencies shall require any recipient of such funds to provide the information required under subsection (c).

(g) GUIDANCE- Federal agencies, in coordination with the Director of the Office of Management and Budget, shall provide for user-friendly means for recipients of covered funds to meet the requirements of this section.

(h) REGISTRATION- Funding recipients required to report information per subsection (c)(4) must register with the Central Contractor Registration database or complete other registration requirements as determined by the Director of the Office of Management and Budget.

SEC. 1514. INSPECTOR GENERAL REVIEWS.

(a) Reviews- Any inspector general of a Federal department or executive agency shall review, as appropriate, any concerns raised by the public about specific investments using funds made available in this Act. Any findings of such reviews not related to an ongoing criminal proceeding shall be relayed immediately to the head of the department or agency concerned. In addition, the findings of such reviews, along with any audits conducted by any inspector general of funds made available in this Act, shall be posted on the inspector general's website and linked to the website established by section 1526, except that portions of reports may be redacted to the extent the portions would disclose information that is protected from public disclosure

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under sections 552 and 552a of title 5, United States Code.

SEC. 1515. ACCESS OF OFFICES OF INSPECTOR GENERAL TO CERTAIN RECORDS AND EMPLOYEES.

(a) Access- With respect to each contract or grant awarded using covered funds, any representative of an appropriate inspector general appointed under section 3 or 8G of the Inspector General Act of 1978 (5 U.S.C. App.), is authorized--

- (1) to examine any records of the contractor or grantee, any of its subcontractors or subgrantees, or any State or local agency administering such contract, that pertain to, and involve transactions relating to, the contract, subcontract, grant, or subgrant; and*
- (2) to interview any officer or employee of the contractor, grantee, subgrantee, or agency regarding such transactions.*

(b) Relationship to Existing Authority- Nothing in this section shall be interpreted to limit or restrict in any way any existing authority of an inspector general.

SEC. 1553. PROTECTING STATE AND LOCAL GOVERNMENT AND CONTRACTOR WHISTLEBLOWERS.

(a) Prohibition of Reprisals- An employee of any non-Federal employer receiving covered funds may not be discharged, demoted, or otherwise discriminated against as a reprisal for disclosing, including a disclosure made in the ordinary course of an employee's duties, to the Board, an inspector general, the Comptroller General, a member of Congress, a State or Federal regulatory or law enforcement agency, a person with supervisory authority over the employee (or such other person working for the employer who has the authority to investigate, discover, or terminate misconduct), a court or grand jury, the head of a Federal agency, or their representatives, information that the employee reasonably believes is evidence of--

- (1) gross mismanagement of an agency contract or grant relating to covered funds;*
- (2) a gross waste of covered funds;*
- (3) a substantial and specific danger to public health or safety related to the implementation or use of covered funds;*
- (4) an abuse of authority related to the implementation or use of covered funds; or*
- (5) a violation of law, rule, or regulation related to an agency contract (including the competition for or negotiation of a contract) or grant, awarded or issued relating to covered funds.*

(b) Investigation of Complaints-

- (1) IN GENERAL- A person who believes that the person has been*

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subjected to a reprisal prohibited by subsection (a) may submit a complaint regarding the reprisal to the appropriate inspector general. Except as provided under paragraph (3), unless the inspector general determines that the complaint is frivolous, does not relate to covered funds, or another Federal or State judicial or administrative proceeding has previously been invoked to resolve such complaint, the inspector general shall investigate the complaint and, upon completion of such investigation, submit a report of the findings of the investigation to the person, the person's employer, the head of the appropriate agency, and the Board.

(2) TIME LIMITATIONS FOR ACTIONS-

(A) IN GENERAL- *Except as provided under subparagraph (B), the inspector general shall, not later than 180 days after receiving a complaint under paragraph (1)--*

(i) make a determination that the complaint is frivolous, does not relate to covered funds, or another Federal or State judicial or administrative proceeding has previously been invoked to resolve such complaint; or

(ii) submit a report under paragraph (1).

(B) EXTENSIONS-

(i) VOLUNTARY EXTENSION AGREED TO BETWEEN INSPECTOR GENERAL AND COMPLAINANT- *If the inspector general is unable to complete an investigation under this section in time to submit a report within the 180-day period specified under subparagraph (A) and the person submitting the complaint agrees to an extension of time, the inspector general shall submit a report under paragraph (1) within such additional period of time as shall be agreed upon between the inspector general and the person submitting the complaint.*

(ii) EXTENSION GRANTED BY INSPECTOR GENERAL- *If the inspector general is unable to complete an investigation under this section in time to submit a report within the 180-day period specified under subparagraph (A), the inspector general may extend the period for not more than 180 days without agreeing with the person submitting the complaint to such extension, provided that the inspector general provides a written explanation (subject to the authority to exclude information under paragraph (4)(C)) for the decision, which shall be provided to both the person submitting the complaint and the non-Federal employer.*

(iii) SEMI-ANNUAL REPORT ON EXTENSIONS- *The inspector general shall include in semi-annual reports to*

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Congress a list of those investigations for which the inspector general received an extension.

(3) DISCRETION NOT TO INVESTIGATE COMPLAINTS-

(A) IN GENERAL- The inspector general may decide not to conduct or continue an investigation under this section upon providing to the person submitting the complaint and the non-Federal employer a written explanation (subject to the authority to exclude information under paragraph (4)(C)) for such decision.

(B) ASSUMPTION OF RIGHTS TO CIVIL REMEDY- Upon receipt of an explanation of a decision not to conduct or continue an investigation under subparagraph (A), the person submitting a complaint shall immediately assume the right to a civil remedy under subsection (c)(3) as if the 210-day period specified under such subsection has already passed.

(C) SEMI-ANNUAL REPORT- The inspector general shall include in semi-annual reports to Congress a list of those investigations the inspector general decided not to conduct or continue under this paragraph.

(4) ACCESS TO INVESTIGATIVE FILE OF INSPECTOR GENERAL-

(A) IN GENERAL- The person alleging a reprisal under this section shall have access to the investigation file of the appropriate inspector general in accordance with section 552a of title 5, United States Code (commonly referred to as the 'Privacy Act'). The investigation of the inspector general shall be deemed closed for purposes of disclosure under such section when an employee files an appeal to an agency head or a court of competent jurisdiction.

(B) CIVIL ACTION- In the event the person alleging the reprisal brings suit under subsection (c)(3), the person alleging the reprisal and the non-Federal employer shall have access to the investigative file of the inspector general in accordance with the Privacy Act.

(C) EXCEPTION- The inspector general may exclude from disclosure--

(i) information protected from disclosure by a provision of law; and

(ii) any additional information the inspector general determines disclosure of which would impede a continuing investigation, provided that such information is disclosed once such disclosure would no longer impede such investigation, unless the inspector general determines that disclosure of law enforcement techniques, procedures, or information could reasonably

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be expected to risk circumvention of the law or disclose the identity of a confidential source.

(5) PRIVACY OF INFORMATION- An inspector general investigating an alleged reprisal under this section may not respond to any inquiry or disclose any information from or about any person alleging such reprisal, except in accordance with the provisions of section 552a of title 5, United States Code, or as required by any other applicable Federal law.

(c) Remedy and Enforcement Authority-

(1) BURDEN OF PROOF-

(A) DISCLOSURE AS CONTRIBUTING FACTOR IN REPRISAL-

(i) IN GENERAL- A person alleging a reprisal under this section shall be deemed to have affirmatively established the occurrence of the reprisal if the person demonstrates that a disclosure described in subsection (a) was a contributing factor in the reprisal.

(ii) USE OF CIRCUMSTANTIAL EVIDENCE- A disclosure may be demonstrated as a contributing factor in a reprisal for purposes of this paragraph by circumstantial evidence, including--

(I) evidence that the official undertaking the reprisal knew of the disclosure; or

(II) evidence that the reprisal occurred within a period of time after the disclosure such that a reasonable person could conclude that the disclosure was a contributing factor in the reprisal.

(B) OPPORTUNITY FOR REBUTTAL- The head of an agency may not find the occurrence of a reprisal with respect to a reprisal that is affirmatively established under subparagraph (A) if the non-Federal employer demonstrates by clear and convincing evidence that the non-Federal employer would have taken the action constituting the reprisal in the absence of the disclosure.

(2) AGENCY ACTION- Not later than 30 days after receiving an inspector general report under subsection (b), the head of the agency concerned shall determine whether there is sufficient basis to conclude that the non-Federal employer has subjected the complainant to a reprisal prohibited by subsection (a) and shall either issue an order denying relief in whole or in part or shall take 1 or more of the following actions:

(A) Order the employer to take affirmative action to abate the reprisal.

(B) Order the employer to reinstate the person to the position

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that the person held before the reprisal, together with the compensation (including back pay), compensatory damages, employment benefits, and other terms and conditions of employment that would apply to the person in that position if the reprisal had not been taken.

(C) Order the employer to pay the complainant an amount equal to the aggregate amount of all costs and expenses (including attorneys' fees and expert witnesses' fees) that were reasonably incurred by the complainant for, or in connection with, bringing the complaint regarding the reprisal, as determined by the head of the agency or a court of competent jurisdiction.

(3) CIVIL ACTION- If the head of an agency issues an order denying relief in whole or in part under paragraph (1), has not issued an order within 210 days after the submission of a complaint under subsection (b), or in the case of an extension of time under subsection (b)(2)(B)(i), within 30 days after the expiration of the extension of time, or decides under subsection (b)(3) not to investigate or to discontinue an investigation, and there is no showing that such delay or decision is due to the bad faith of the complainant, the complainant shall be deemed to have exhausted all administrative remedies with respect to the complaint, and the complainant may bring a de novo action at law or equity against the employer to seek compensatory damages and other relief available under this section in the appropriate district court of the United States, which shall have jurisdiction over such an action without regard to the amount in controversy. Such an action shall, at the request of either party to the action, be tried by the court with a jury.

(4) JUDICIAL ENFORCEMENT OF ORDER- Whenever a person fails to comply with an order issued under paragraph (2), the head of the agency shall file an action for enforcement of such order in the United States district court for a district in which the reprisal was found to have occurred. In any action brought under this paragraph, the court may grant appropriate relief, including injunctive relief, compensatory and exemplary damages, and attorneys fees and costs.

(5) JUDICIAL REVIEW- Any person adversely affected or aggrieved by an order issued under paragraph (2) may obtain review of the order's conformance with this subsection, and any regulations issued to carry out this section, in the United States court of appeals for a circuit in which the reprisal is alleged in the order to have occurred. No petition seeking such review may be filed more than 60 days after issuance of the order by the head of the agency. Review shall conform to chapter 7 of title 5, United States Code.

(d) Nonenforceability of Certain Provisions Waiving Rights and Remedies or Requiring Arbitration of Disputes-

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- (1) *WAIVER OF RIGHTS AND REMEDIES-* Except as provided under paragraph (3), the rights and remedies provided for in this section may not be waived by any agreement, policy, form, or condition of employment, including by any predispute arbitration agreement.
- (2) *PREDISPUTE ARBITRATION AGREEMENTS-* Except as provided under paragraph (3), no predispute arbitration agreement shall be valid or enforceable if it requires arbitration of a dispute arising under this section.
- (3) *EXCEPTION FOR COLLECTIVE BARGAINING AGREEMENTS-* Notwithstanding paragraphs (1) and (2), an arbitration provision in a collective bargaining agreement shall be enforceable as to disputes arising under the collective bargaining agreement.
- (e) *Requirement to Post Notice of Rights and Remedies-* Any employer receiving covered funds shall post notice of the rights and remedies provided under this section.
- (f) *Rules of Construction-*
- (1) *NO IMPLIED AUTHORITY TO RETALIATE FOR NON-PROTECTED DISCLOSURES-* Nothing in this section may be construed to authorize the discharge of, demotion of, or discrimination against an employee for a disclosure other than a disclosure protected by subsection (a) or to modify or derogate from a right or remedy otherwise available to the employee.
- (2) *RELATIONSHIP TO STATE LAWS-* Nothing in this section may be construed to preempt, preclude, or limit the protections provided for public or private employees under State whistleblower laws.
- (g) *Definitions-* In this section:
- (1) *ABUSE OF AUTHORITY-* The term `abuse of authority' means an arbitrary and capricious exercise of authority by a contracting official or employee that adversely affects the rights of any person, or that results in personal gain or advantage to the official or employee or to preferred other persons.
- (2) *COVERED FUNDS-* The term `covered funds' means any contract, grant, or other payment received by any non-Federal employer if--
- (A) the Federal Government provides any portion of the money or property that is provided, requested, or demanded; and
- (B) at least some of the funds are appropriated or otherwise made available by this Act.
- (3) *EMPLOYEE-* The term `employee'--
- (A) except as provided under subparagraph (B), means an individual performing services on behalf of an employer; and
- (B) does not include any Federal employee or member of the uniformed services (as that term is defined in section 101(a)(5) of title 10, United States Code).
- (4) *NON-FEDERAL EMPLOYER-* The term `non-Federal employer'--

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(A) means any employer--

(i) with respect to covered funds--

(I) the contractor, subcontractor, grantee, or recipient, as the case may be, if the contractor, subcontractor, grantee, or recipient is an employer; and

(II) any professional membership organization, certification or other professional body, any agent or licensee of the Federal government, or any person acting directly or indirectly in the interest of an employer receiving covered funds; or

(ii) with respect to covered funds received by a State or local government, the State or local government receiving the funds and any contractor or subcontractor of the State or local government; and

(B) does not mean any department, agency, or other entity of the Federal Government.

(5) STATE OR LOCAL GOVERNMENT- The term 'State or local government' means--

(A) the government of each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Commonwealth of the Northern Mariana Islands, or any other territory or possession of the United States; or

(B) the government of any political subdivision of a government listed in subparagraph (A).

SEC. 1605. USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS.

(a) None of the funds appropriated or otherwise made available by this Act may be used for a project for the construction, alteration, maintenance, or repair of a public building or public work unless all of the iron, steel, and manufactured goods used in the project are produced in the United States.

(b) Subsection (a) shall not apply in any case or category of cases in which the head of the Federal department or agency involved finds that—

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

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

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

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- (c) If the head of a Federal department or agency determines that it is necessary to waive the application of subsection (a) based on a finding under subsection (b), the head of the department or agency shall publish in the Federal Register a detailed written justification as to why the provision is being waived.***
- (d) This section shall be applied in a manner consistent with United States obligations under international agreements.***

**SECTION 02009
PUBLIC INFORMATION PROGRAM**

PART 1 GENERAL

1.1 DESCRIPTION

- A. This section outlines requirements for the CONTRACTOR to keep the general public informed and educated about all aspects of the project, public involvement, community relations, information dissemination, reporting construction progress, answering questions from the general public and being sensitive to the general public's concerns during construction.
- B. Coordinate the Public Information Program with all other specifications in this Project Manual, including but not limited to:
 - 1. Section 01011, WORK UNDER THIS CONTRACT
 - 2. Section 01018, COORDINATION OF WORK
 - 3. Section 01311, CONSTRUCTION SCHEDULE
 - 4. Section 02010, TRAFFIC CONTROLS
- C. The primary objectives of the public information program are to maintain a high level of communication with the public prior to and throughout the pipeline construction process. This project will be disruptive to many and it is important that the Project gain and maintain public support throughout construction. Public support will best be achieved if the public is informed in a timely manner; if they have the opportunity to be listened to and they receive responses to questions and concerns; if they know where to look or whom to call for information; and if they receive frequent information updates.
- D. The construction period is anticipated to last approximately 18 months. During this time, the pipeline may be installed simultaneously in several locations. In some areas, specific restrictions will limit when and how long construction can occur, such as summer months near a school location or a busy intersection. Paving will occur only during certain times of the year. Keeping these guidelines in mind, there must be a coordinated communication effort between team members and the public.

1.2 PUBLIC INFORMATION GOALS

- A. The CONTRACTOR shall focus on achieving the following Public Information Goals throughout the Project:
 - 1. Communicate with affected publics in a way that helps them cope with construction and that leads to positive associations.

2. Help to build a positive reputation for Central Utah Water, Department of the Interior, Bureau of Reclamation, Utah Department of Transportation and Mapleton City by being responsive to the public’s needs during construction.

1.3 COMMUNICATIONS STRATEGIES

A. Communications strategies that will be implemented on the Project include:

1. Direct Communications: Communications with those most affected will be proactive. Active listening to issues and concerns and problem solving will be employed with the publics throughout the project.
2. Coordination with Partners: Routine coordination with the communications staff from the Utah Department of Transportation and Mapleton City will be established to keep them informed with current information prior to other publics receiving the information.
3. Feedback: Affected publics will be given questionnaires to monitor communication efforts and improve tactics.

1.4 DEFINITIONS

A. Public Information Manager (PIM). PIM is a full time professional provided by the CONTRACTOR, responsible for managing public information activities for the project as outlined herein.

B. PUBLICS. Publics are defined as individuals, groups, organizations, and businesses that will either be affected by the project or have an interest in the project. The Publics identified for the Project are:

1. Adjacent property owners
2. Neighbors
3. Businesses
4. Motorists
5. Partners: Central Utah Water Conservancy District, U.S. Department of the Interior, U.S. Bureau of Reclamation, Utah Department of Transportation, and Mapleton City.
6. Special interest groups:
7. Elected officials from non-partner entities such as the Council of Governments for Utah County and adjacent communities.
8. Utilities
9. Schools along the pipeline corridor.
10. News media

1.5 PUBLIC INFORMATION ROLES

- A. The CUWCD provides oversight and management of all communication activities. The CUWCD’S Governmental Affairs Director manages all media relations associated with CUWCD’s water projects and serves as the media spokesperson. The Governmental Affairs Director is Christine Finlinson (801-361-7355, christine@cuwcd.com) .
- B. The CONTRACTOR provides a full-time experienced public information professional with experience in large infrastructure projects requiring one-on-one contact with the public. This person provides day-to-day communication activities specific to the project and is located on-site.

1.6 STAFF REQUIREMENTS

- A. Public Information Manager (PIM). Provide a full time PIM responsible for managing all public information activities for the duration of the project. This person is required to have a Bachelors Degree in communications, public relations, or marketing plus two years of related experience in public relations. The PIM acts as a facilitator to resolve problems and is an advocate for the community. Experience must include providing the public with information on public works projects. The PIM is to be one of the CONTRACTOR’s key personnel, and is to be available at all times during construction activities. Public information duties for the Project are to take precedence over other assigned duties. The PIM is to have access to all project details which may be relevant to the public, public agencies, emergency services providers, businesses, and other affected publics. The PIM’s responsibilities include:
 - 1. Be available by telephone hotline, with a minimum of a 30-minute response time on every working day and available upon the CUWCD’S request at other than normal working hours.
 - 2. Maintain daily communications with the Construction Manager and attend weekly communications meetings.
 - 3. Provide information about project activities and schedules to affected property owners and residents, local neighborhoods associations, local city offices, local transit authorities, all affected utility companies, all affected public safety agencies, local schools, trucking and carrier associations, the Utah Department of Transportation and Utah Transit Authority, mail and delivery services.
 - 4. Attend meetings as required by the CUWCD’S Governmental Affairs Director to provide project updates and Q&A.
 - 5. Respond to questions concerning project activities and schedules, assist in organizing, participates in, and documents meetings held with affected individuals, and maintains ongoing communications with businesses directly impacted by construction in coordination with the Construction Manager. Provide a weekly summary of activities and meeting minutes to

the CUWCD'S Governmental Affairs Director, Mapleton City's public information staff and the Construction Manager.

6. Prepare and distribute information to all stakeholders adjacent to the construction zone, in a flier format, or through documented personal contact, one week prior to beginning all construction activities.
7. Maintain a database of all public contacts, including names, addresses, phone numbers, e-mail addresses, date/time of contact, date/time of responses, issues or concerns, and subsequent responses or actions taken during construction.
8. Follow up all inquiries and complaints with either a return phone call or a meeting, as warranted.
9. Provide updates to the Construction Manager and CUWCD'S Governmental Affairs Director on project activities that affect public outreach, including the description of the work to be done, work locations, traffic restrictions, traffic detours, work times and days of the week.
10. Provide all traffic and construction related activities to the Utah Department of Transportation's and Mapleton City's public information staff.
11. Provide weekly construction schedule updates to the CUWCD'S Governmental Affairs Director.
12. Monitor the placement of all construction signage to comply with guidelines established by the CUWCD'S Governmental Affairs Director.
13. Distribute the CUWCD'S questionnaires to property owners and residents along the project corridor, at public meetings and to public agencies and schools. Submit questionnaires to CUWCD'S Governmental Affairs Director for joint review on a quarterly basis. Following review, adapt activities as needed for the following quarter.
14. Provide information and routine updates to schools along the corridor about bus and walking routes and pedestrian safety. Provide construction safety information to all schools along the project corridor.

1.7 PUBLIC NOTIFICATION PROCESS

- A. General construction notification must be made by the CONTRACTOR to property owners, residents and other impacted publics about construction work in the timeframe identified in Table 1. The notification process will be further defined by the CUWCD as follows:
 1. The construction partnering workshop at the beginning of the project will review the minimum advance notification that is required prior to any disruptive work being done along the corridor.
 2. Notifications will be required for road closures and detours, access issues for homeowners, utility disruptions, tree removals, paving and excessive noise during construction as well as other items as defined in the Pre-Construction Conference.
 3. Advanced notification is required for extended construction hours.

4. Mapleton City’s public information officers will be included in all notifications.
- B. Advance notification by the CONTRACTOR’S PIM shall utilize the following methods:
1. City Public Information: Phone, email, and meetings
 2. Residents: In person and/or flyers and meetings
 3. Schools: In person and/or flyer, fax, emails, and meetings
 4. Businesses: In person and/or flyer, fax, emails, and meetings
 5. Transportation Related Agencies: Phone and fax UTA, Emergency Services (VECC) UDOT, UTMA, mail and delivery services.

Table 1.

Advance Notification Minimum Requirements

Type	Advance Notice	Signage	City Public Information	Residents	Schools, Fire & Police	Businesses	Transportation Related
Construction Schedule	Weekly	N/A	Weekly or Daily	Weekly	Weekly	Weekly	Weekly
Street Closure	2 weeks	VMS* 2 weeks	2 weeks	2 weeks	2 weeks	2 weeks	2 weeks
Utility Disruption	48 hrs.	N/A	48 hrs.	48 hrs.	not in session	48 hrs.	48 hrs
Excessive Noise	72 hrs.	N/A	72 hrs.	72 hrs.	72 hrs.	72 hrs.	72 hrs.
Extended Work Schedule	48 hrs.	VMS* 48 hrs.	48 hrs.	48 hrs.	48 hrs.	48 hrs.	48 hrs.
Work Affecting Private Property	1 week	N/A	1 week	1 week	1 week	1 week	1 week
Access Denied to Private Property	24 hrs.	N/A	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.
Access Denied to Private Road	24 hrs.	N/A	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.

* VMS is a variable message sign.

1.8 PUBLIC INFORMATION MATERIALS

- A. The CONTRACTOR will develop and distribute public information materials that have been approved by the CUWCD’S Governmental Affairs Director. These materials include:
- B. Preconstruction project information materials that will include a project map, construction information, contact information for the PIM and Mapleton City’s public information, and a hotline resource such as a magnet or PIM business card with the hotline number.
- C. All notification flyers and door hangers.

1.9 PROJECT HOTLINE

- A. The CONTRACTOR will include a Public Hotline number on all Project signage, and with all printed materials distributed for the Project.
- B. The PIM shall be available to answer this Public Hotline at all times that construction activities are taking place on-site, and during all working hours Monday through Friday.
- C. The Project Hotline shall only be used for communications directly related to Public Involvement for the Project.

1.10 EVALUATION PROCESS

- A. The CUWCD’S Governmental Affairs Director will monitor all activities associated with the role of the CONTRACTOR’S PIM. This will involve a quarterly evaluation of public information activities performed.
- B. The CONTRACTOR’S performance will be evaluated based upon the following tasks.
 - 1. Coordinate, notify and facilitate monthly meetings with Mapleton City’s neighborhood coordinators and representatives for project updates and Q&A.
 - 2. Establish daily contact with the project construction manager for updates on construction activities.
 - 3. Coordinate small group meetings with affected neighborhoods to address concerns and questions. The need for these meetings will be determined at the weekly communication meetings with the project team.
 - 4. Manage and respond to the hotline and respond to calls during working hours.
 - 5. Contact with residents and businesses along the project corridor to provide construction information and updates.

6. Provide advance notification block-by-block within given timeframe. (Refer to Table 1.)
7. Provide weekly construction schedule updates for CUWCD's web site.
8. Monitor the placement of all construction signage along the pipeline corridor to comply with guidelines established by the project manager.
9. Implement and manage contact tracking system for issues and resolution during the construction process, including hotline calls. Provide weekly summary to the CUWCD'S Governmental Affairs Director.
10. Provide weekly construction schedule information to cities, transportation entities, including UDOT, UTA, emergency services, postal service.
11. Provide information and routine updates to schools along the corridor about bus and walking routes and pedestrian safety along construction routes.
12. Attend weekly meetings with the project contractors and maintenance of traffic for status updates.
13. Attend weekly communications meetings with partners.
14. Support Mapleton City's public information staff as needed with information for neighborhood meetings.
15. Provide a written weekly summary of all activities to CUPCA Construction Manager.
16. Submit public questionnaires. Following review, adapt activities as needed.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

**SECTION 02401
ROADWAY UNDERCROSSINGS**

PART 1 GENERAL

1.01 WORK INCLUDED

- A. This section covers installation of WSP casings by trenchless methods across UDOT Highway 89 using conventional bore and jack methods.
- B. Permits for each crossing shall be obtained by Contractor. If a conflict occurs between these Specs and permit requirements, the more stringent shall apply.
- C. Relocate utilities at jacking and receiving pits as required to perform the work.

1.02 DEFINITIONS

- A. Bore and Jack: Technique using an auger to bore a hole and jacks to advance casing pipe while removing spoil in casing via auger fighting, hand excavation with muck carts or conveyor belts, or other methods.
- B. Ramming: Technique using pneumatic or hydraulic tool to drive casing. After casing reaches receiving pit, spoil in casing is cleaned out via auger fighting or other method.

1.03 REFERENCES

- A. The following is a list of standards which may be referenced in this section:
 - 1. American Petroleum Institute (API): 5L, Line Pipe.
 - 2. American Water Works Association (AWWA): C200, Steel Water Pipe.
 - 3. ASTM International (ASTM): A139, Standard Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over).

1.04 DESIGN CRITERIA

- A. Design shaft excavation support systems to withstand lateral earth pressures, ground loads, unrelieved hydrostatic pressures, bottom heave, equipment loads, applicable traffic and construction loads, and other surcharge loads to allow safe construction of shafts without appreciable movement or settlement of ground, and to prevent damage to or movement of adjacent structures, streets, utilities and trees.
- B. Design excavation support systems and casing installation equipment to be compatible with geologic conditions described in Geotechnical Report.

1.05 SUBMITTALS

- A. Pothole, survey & submit top & bottom of each utility (3D coord's) crossing ea casing. Install all casings before 60-inch pipe. Submit profiles recommended for all jacked casings and edits profiles to the satisfaction of Mapleton City before installing.
- B. Submit Casing pipe material (standard to which it is made & mill certs), outside diameter, wall thickness, and joint configuration; details of casing spacers (and recommended spacing) and end seals; and boring and jacking plan, plans for grade correction. Items requiring structural design shall be signed and stamped by a professional civil or structural engineer registered in the State of Utah.
- C. Submit post construction surveyed top of pipe ends (3D coordinates). Submit written logs of daily measurements of horizontal and vertical movement of surface features and of casing.

1.06 QUALIFICATIONS

- A. Bore and jack operations shall be performed by a qualified Contractor with at least 5 years of experience involving work of a similar nature.

PART 2 PRODUCTS

2.01 STEEL CASING PIPE

- A. Fabricated in sections in accordance with AWWA C200, ASTM A139 Grade B, API 5L Grade B, or API 5L Grade X42. Provide 0.75” minimum thickness of casing steel cylinder. Increase as needed to withstand installation forces. Steel pipe used for casings need not be hydrostatically tested or coated. Bevel pipe ends for welding.

2.02 CARRIER PIPE

- A. Carrier pipe shall conform to the appropriate specification Section.

2.03 ANNULAR SPACE FILL MATERIAL (BETWEEN CASING & CARRIER PIPE)

- A. Use clean, washed sand, suitable for blowing into annular space between casing pipe and carrier.

2.04 CASING SPACERS AND END SEALS

- A. Spacing Fabrication:
 - 1. Band Material: Carbon steel coated with fusion bonded epoxy or PVC.

2. Liner Material: PVC or neoprene.
 3. Spacer Width: As recommended by spacer manufacturer.
 4. Runners: Suitable for supporting weight of carrier pipe and manufactured of material having a low coefficient of friction and designed to support the carrier pipe without damage or excessive wear.
 5. Size: Sufficient to provide a minimum clearance of 2 inches between outside of carrier pipe bells or couplings and inside of casing.
- B. End Seals: Synthetic rubber, conical shape, pull-on or wrap-around style with Type 304 stainless steel bands. Manufacturers:
- C. Casing Spacer and End Seal Manufacturers:
1. Pipeline Seal and Insulator, Inc. (PSI), Houston, TX.
 2. Advance Products and Systems, Inc., Lafayette, LA.
 3. Cascade Waterworks Mfg. Co., Yorkville, IL.

2.05 TEST STATIONS

- A. Provide a “Type T” (see plans) post mounted cathodic test station (or pair of casings) with clear labels which terminals lead to which casing).

PART 3 EXECUTION

3.01 EXISTING UTILITIES

- A. Confirm location of all existing utilities in casing profile. Submit utilities accurately mapped to scale in jacked casing profile prior to start of shaft/pit excavation and pipe installation.

3.02 SHAFT/PIT INSTALLATION

- A. Notify Construction Manager not less than 30 working days before beginning shaft excavation.
- B. Methods of construction for shafts/pits shall be such as to ensure the safety of the Work, Contractor’s employees, the public, existing utilities, and adjacent property and improvements, whether public or private. Before beginning construction of shaft/pit, adequately protect existing structures, utilities, trees, shrubs, and other existing facilities. Provide complete groundwater control for excavations at all times in accordance with Section 02200, Earthwork. Perform shaft/pit excavations using appropriate excavation or large hole drilling methods, as required.
- C. Place fencing, gates, lights, and signs, as necessary around shafts and staging areas to provide for public safety. Inspect shaft/pit excavations daily to check safety of excavation and structural integrity of support system.

3.03 EQUIPMENT SELECTION

- A. Select necessary equipment and methods to install casing and carrier pipe as shown on Drawings. Selected equipment shall be capable of accurate alignment and grade control, and shall protect against subsidence or other disturbance of ground, utilities, road surface and structures.

3.04 LUBRICATION OF CASING EXTERIOR

- A. Bentonite slurry may be used to lubricate casing exterior during installation.

3.05 CASING INSTALLATION - BORE AND JACK METHOD

- A. Verify casing pipe min wall thickness is adequate for anticipated jacking loads. Hole diameter shall not exceed outside diameter of casing by over 1 inch. Where unstable soil conditions are found to exist, conduct boring operations in a manner that will not be detrimental to facility being crossed. If necessary to abandon a bored hole, remedial measures shall be taken by Contractor, subject to review by Construction Manager and approval of Owner of facility being crossed.
- B. Tolerance shall be as follows: Line Tolerance: 2 inches, maximum. Grade Tolerance 2 inches, maximum. Provide means of checking line and grade to confirm allowable tolerance has been achieved. Provide means of steering casing to be sure allowable tolerance can be achieved.

3.06 STEEL PIPE CASING WELDED JOINTS

- A. Welds shall be continuous, complete joint penetration (CJP) butt joint welds as required for rigid and watertight connections. Welding shall be in accordance with Section 02501, Welded Steel Pipe, Specials, and Fittings.

3.07 MONITORING OF SURFACE MOVEMENT

- A. Perform a preconstruction survey of road surface. Record horizontal coordinates and elevations. Mark location of where measurements were taken. Monitor movement of road surface on a daily basis and provide results to Construction Manager. Stop operations if movement exceeds 1/4 inch and immediately notify Construction Manager.

3.08 CARRIER PIPE INSTALLATION

- A. Entire length of casing shall be installed complete and inspected and approved by Construction Manager before any carrier pipe is placed therein. Repair defects in casing pipe or leakage at joints.
- B. Install casing spacers to each length of carrier pipe in such a manner that electrical continuity will not occur between casing pipe and carrier pipe.

Spans between spacers shall be per casing spacer manufacturer's recommendations.

- C. Check each joint makeup and pipe segment prior to pushing carrier pipe segments into casing.

3.09 CASING PIPE AND CARRIER PIPE ANNULAR SPACE

- A. Annular space shall be filled with sand. Provide a positive means of preventing collapse or flotation of carrier pipe.

3.10 REMOVAL OF SHAFT/PIT SUPPORT SYSTEM

- A. Removal of support system shall be performed in a manner that will not disturb or harm adjacent construction or facilities. Fill voids created by removal of support system with sand approved by Construction Manager.

3.11 BACKFILLING OF SHAFTS/PITS

- A. Seal shaft/pit opening and backfill at shafts when no longer required. Backfill shall be as specified in Section 02200, Earthwork.

3.12 TEST STATIONS

- A. Install one test station each casing per Section 13115, Cathodic Protection. Place posts at UDOT R/W beside utility pole or fence post, at location acceptable to Mapleton City.

END OF SECTION