

ADDENDUM NO. 1
for construction of
BUFFALO SPRINGS DRIVE WATERLINE BRIDGE CROSSING
for
CITY OF MONTGOMERY
MONTGOMERY COUNTY, TEXAS
MARCH 28, 2016

Addendum No. 1 covers the following changes to the contract documents.

CONTRACT DOCUMENTS

1. TABLE OF CONTENTS

- a. Replace Table of Contents with attached revised Addendum No. 1 Table of Contents. Revised to include Disclosure of Interested Parties, Page No. HB1295-1.

2. INVITATION TO BID

- a. Replace Invitation to Bid with attached revised Addendum No. 1 Invitation to Bid. Revised to include language pertaining to Certificate of Interested Parties form (Form 1295).

3. INSTRUCTION TO BIDDERS

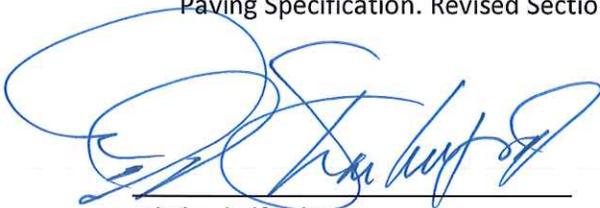
- a. Replace Instruction to Bidders with attached revised Addendum No. 1 Instruction to Bidders. Revised to include Section 8.0(e) pertaining to Certificate of Interested Parties form (Form 1295).

4. BID FORM

- a. Replace Bid Form with the attached revised Addendum No. 1 Bid Form.

5. CONCRETE SLOPE PAVING SPECIFICATION

- a. Replace Concrete Slope Paving specification with attached revised Addendum No. 1 Concrete Slope Paving Specification. Revised Section 1.2 Measurement.



Ed Shackelford, P.E.
Jones & Carter, Inc.
TBPE Firm No. F-439



END OF ADDENDUM NO. 1

**· SPECIFICATIONS AND CONTRACT DOCUMENTS
FOR CONSTRUCTION OF
BUFFALO SPRINGS DRIVE
WATERLINE BRIDGE CROSSING
FOR
CITY OF MONTGOMERY
IN
MONTGOMERY COUNTY, TEXAS**

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Refer to the latest edition of City of Montgomery 'Standard Construction Specifications Wastewater Collection Systems, Waterlines, Storm Drainage and Street Paving' for specification not listed above.

INVITATION TO BID

Sealed bids in duplicate addressed to Ed Shackelford, P.E. and Glynn Fleming, P.E. on behalf of City of Montgomery will be received in the offices of Jones|Carter, 8701 New Trails Drive, Suite 200, The Woodlands, Texas 77381, until 2:00pm., Thursday, March 31, 2016, and then publicly opened and read for furnishing all plant, labor, material and equipment and performing all work required for the construction of: Buffalo Springs Drive Waterline Bridge Crossing for City of Montgomery.

The project is located on Buffalo Springs Drive, north of Lone Star Parkway, south of Waterstone Drive. It is located in Montgomery County, Key Map No. 123P.

For construction contracts \$50,000 and over but less than \$250,000, the bidder shall submit a certified or cashier's check on a responsible bank in the State equal to two percent (2%) of the maximum total bid amount. For construction contracts over \$250,000, the bidder shall submit either a 2% certified or cashier's check or a five percent (5%) bid bond of the maximum total bid amount. Make the cashier's check or bid bonds payable to the Owner.

Plans, specifications, and bidding documents are available at www.civcastusa.com. Said documents may be examined without charge in the office of Jones|Carter Construction Division, 8701 New Trails Drive, Suite 200, The Woodlands, Texas 77381.

“ATTENTION: Pursuant to Texas Government Code 2252.908, you must be able to provide The City of Montgomery (the “City”) with a printed, executed and notarized original of a completed Certificate of Interested Parties form (Form 1295) with the bid. Failure to do so will result in the City’s inability to execute the contract. To complete the disclosure of interested parties form, or for further information, please visit the Texas Ethics Commission’s website at <https://www.ethics.state.tx.us>.”

There will be a pre-bid conference in the offices of Jones|Carter, Inc., 8701 New Trails Drive, Suite 200, The Woodlands, Texas 77381 at 2:00 pm., Thursday, March 24, 2016. Attendance is not mandatory.

The Owner reserves the right to reject any or all bids and waive any or all irregularities. No bid may be withdrawn until the expiration of 60 days from the date bids are open.

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INSTRUCTION TO BIDDERS

1.0 INVITATION

- a. The Work. Bids are invited on a general contract for construction of Buffalo Springs Drive Waterline Bridge Crossing for City of Montgomery in Montgomery County, Texas.
- b. The Owner.
City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77316
Telephone: (936) 597-6434
- c. The Engineer.
Jones|Carter
8701 New Trails Drive, Suite 200
The Woodlands, Texas 77381
Attention: Mr. Glynn Fleming, P.E.
Telephone: (281) 363-4039

2.0 RECEIPT OF BIDS

- a. Sealed bids, in duplicate, will be received until 2:00 pm., Thursday, March 31, 2016 in the offices of Jones|Carter, 8701 New Trails Drive, Suite 200, The Woodlands Texas, 77381. Bids received after this time will not be accepted.
- b. There will be a pre bid conference at 2:00 p.m., Thursday, March 24, 2016 in the offices of Jones|Carter, 8701 New Trails Drive, Suite 200, The Woodlands Texas, 77381. Pre-bid is not mandatory.
- c. Bid opening will be held immediately after the time for receipt of bids has expired.
- d. Bids will be opened publicly.

3.0 BIDDING DOCUMENTS

- a. Bidding documents include all documents available during the bidding period, including the instruction to bidders, contract forms, conditions of the contract, specifications, drawings and addenda, if any.

4.0 SEPARATED CONTRACT PROVISIONS

- a. Contractor is responsible for obtaining all permits required by the work at no additional cost to the Owner, except as may specifically be exempted in the Special Conditions.

5.0 EXAMINATION

- a. Bidder shall carefully examine the bidding documents and the site to determine the actual conditions under which work will be done.
- b. Data in the bidding documents pertaining to existing conditions is for convenience only and does not supplant obtaining firsthand information at the site.
- c. Adjusting payments will not be authorized for work that could have been foreseen by a careful examination of the site.
- d. Submission of a bid constitutes acceptance by the bidder of existing site conditions as a part of the requirements of this work.

6.0 COMPLETION TIME

- a. The work shall be substantially completed within **sixty (60)** calendar days from date of Notice to Proceed.
- b. Submission of a bid constitutes acceptance by the bidder of the completion time as a part of the requirements of this work.

7.0 QUESTIONS

- a. In ample time to permit consideration before reply, submit questions about bidding instruments to the Engineer.
- b. Necessary replies will be issued to bidders of record as addenda, which become a part of the bidding instruments. Oral instructions do not form a part of the bidding instruments.
- c. Bidders should contact the Engineer not less than 72 hours before bid opening to secure any addenda that may affect bidding.

8.0 SUBMITTAL

- a. Submit bid and other required data in an opaque, sealed envelope. If submitted by mail, enclose bid envelope in another envelope addressed for mailing. Plainly identify the sealed envelope with the following information:

Do not open before **2:00 pm., Thursday, March 31, 2016**

Bid for Construction of Buffalo Springs Drive Waterline Bridge Crossing.

Owner: City of Montgomery, Attention: Ed Shackelford, P.E. and Glynn Fleming, P.E.

Bidder: _____

- b. Submit bid on the bid form provided. Fill in all blanks. If no amount is to be included, insert three zeros in the space. Include all unit cost items and all alternatives shown on the bid form; failure to comply may be cause for rejections. No segregated bids or assignments will be

- considered.
- c. Do not alter the bid form with written memoranda or qualifications. Any explanation, alteration, or other statements proposed by the bidder must be written separately, signed independently, and included in the bid envelope. Bids may not be modified after submittal.
 - d. Sign in longhand below the typed name of the person authorized to bind the bidder to a contract. When the bidder is a corporation, the bid must be signed with the legal name of the corporation followed by the name of the State of Incorporation and the legal signature of a person authorized to bind the corporation to a contract.
 - e. "ATTENTION: Pursuant to Texas Government Code 2252.908, you must be able to provide The City of Montgomery (the "City") with a printed, executed and notarized original of a completed Certificate of Interested Parties form (Form 1295) with the bid. Failure to do so will result in the City's inability to execute the contract. To complete the disclosure of interested parties form, or for further information, please visit the Texas Ethics Commission's website at <https://www.ethics.state.tx.us>."
 - f. Contractor to include the City's full name in box 2 of the TEC form, "The City of Montgomery".
 - g. Contractor to enter "W5841-0021-00" into the TEC Box 3.

9.0 PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND

Bidder must be capable of executing a satisfactory performance bond and payment bond for 100 percent (100%) of the contract sum in accord with the conditions of the contract.

10.0 WITHDRAWAL

- a. Bids may be withdrawn any time before bid opening but may not be resubmitted.
- b. Bids may not be withdrawn or modified after bid opening time unless the award of the contract has been delayed more than 60 days.

11.0 QUALIFICATIONS OF BIDDERS

- a. The Owner may make any investigations deemed necessary to determine the bidder's ability to perform the work. When requested, furnish such information and data necessary for this purpose.
- b. The Owner reserves the right to reject any bid if evidence submitted by or investigation of the bidder indicate that the bidder is not properly qualified in the opinion of the Owner, to complete the work satisfactorily.

12.0 AWARD OF CONTRACT

The Owner is not obligated to accept the lowest bid or any bid. The Owner reserves the right to reject any or all bids and to waive any informalities in bids or in bidding. The Owner may accept any bid

deemed advantageous. The contract award may include full consideration of unit prices, alternates, substitutions, and completion time.

13.0 RETURN OF SIGNED CONTRACTS

By submitting a bid, the Contractor agrees to return signed contracts with proper bonds and insurance certificates within 14 calendar days after the Engineer has given the unsigned contracts to the Contractor. Should the Contractor fail to return properly executed contracts within 14 days, the Engineer may disqualify that Contractor and recommend that the Owner enter into contracts with the next highest bidder.

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BID FORM

DATE: _____

Bid of _____ an individual proprietorship, a corporation organized and existing under laws of the State of Texas, a partnership of _____ for Construction of Buffalo Springs Drive Waterline Bridge Crossing for City of Montgomery.

To: City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77316
Telephone: (936) 597-6434

Ladies and Gentlemen:

The undersigned bidder has carefully examined the Instructions to Bidders, this Proposal, the General Conditions of Agreement, the Technical Specifications and the drawings for the work herein above described and referred to in the Invitation to Bid and has carefully examined the site of the work and will provide all necessary labor, superintendence, machinery, equipment, tools, materials, services and other means of construction to complete all the work upon which he bids, as called for in the Contract, the Specifications and shown on the drawings, and in the manner prescribed therein and according to the requirements of the Engineer as therein set forth for the amounts below.

Item No.	Description of Item with Unit Bid Price in Written Words.	Unit	Approx. Quantity	Unit Amount	Total Price
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Base Bid

1. Move-in and start-up, including performance and payment bonds for 100 percent (100%) of the contract amount.

@ _____

Per Lump Sum

L.S. 1 \$ _____ \$ _____

Waterline

2. 12-inch C-900 AWWA (DR18) Class 150, waterline (including valves, fittings, bedding, backfill and testing), complete in place.

@ _____

Per Linear Foot

L.F. 600 \$ _____ \$ _____

Item No.	Description of Item with Unit Bid Price in Written Words.	Unit	Approx. Quantity	Unit Amount	Total Price
3.	12-inch AWWA C-151 Ductile Iron Pipe with restrained push-on joint waterline (including fittings, bedding, backfill, and testing), complete in place. @ _____ Per Linear Foot	L.F.	175	\$ _____	\$ _____
4.	Connect proposed 12-inch waterline to existing 12-inch waterline, including removal of existing 2-inch blow-off and 12-inch plug, complete in place. @ _____ Per Each	EA.	2	\$ _____	\$ _____
5.	Trench safety system for Waterline Construction, all depths. @ _____ Per Linear Foot	L.F.	600	\$ _____	\$ _____
6.	Fire Hydrant, bury as shown, (including lead, gate valve, and blue reflector applied to road), complete in place. @ _____ Per Each	EA.	2	\$ _____	\$ _____
7.	Final adjustment of all fire hydrant, as directed by the Engineer. @ _____ Per Each	EA.	2	\$ _____	\$ _____

Item No.	Description of Item with Unit Bid Price in Written Words.	Unit	Approx. Quantity	Unit Amount	Total Price
8.	Air/Vacuum Release Valve (A.R.I. Model D-040-C or Approved Equal) with two-inch (2") valve, complete in place. @ _____ Per Each	EA.	1	\$ _____	\$ _____
9.	Traffic control plan, as directed by the Engineer. @ _____ Per Each	EA.	1	\$ _____	\$ _____
10.	Clevis Hangers, per Sheet 4, complete in place and operated per detail on Sheet 6, as directed by Engineer. @ _____ Per Each	EA.	15	\$ _____	\$ _____
11.	Hilti RE 500 epoxy adhesive or approved equal with Hilti HAS 7/8" threaded rod or approved equal. @ _____ Per Each	EA.	15	\$ _____	\$ _____
12.	Bracket, per Sheet 4, complete in place and operated per detail on Sheet 6, as directed by Engineer. @ _____ Per Each	EA.	2	\$ _____	\$ _____

Item No.	Description of Item with Unit Bid Price in Written Words.	Unit	Approx. Quantity	Unit Amount	Total Price
13.	Hydro-mulch seeding of rights-of-way and adjacent Easements (less pavement area). Contractor to ensure growth of vegetation by whatever means necessary, including re-seeding, over-seeding or watering at no separate pay. @ _____	Ac.	1.00	\$ _____	\$ _____
	Per Acre				
14.	Remove and reinstall concrete slope paving to pre-construction condition or better. Southeast bank. @ _____	S.Y.	1.00	\$ 0.00	\$ 0.00
	No Separate Pay				
				TOTAL BASE BID \$ _____	

Alternate Items

A-1.	Remove and dispose of temporary cement stabilized sand slope paving as directed by City Engineer. @ _____	S.Y.	820.00	\$ _____	\$ _____
	Per Square Yard				
A-2.	Remove and dispose of existing reinforced concrete slope paving as directed by City Engineer. @ _____	S.Y.	2,080.00	\$ _____	\$ _____
	Per Square Yard				

Item No.	Description of Item with Unit Bid Price in Written Words.	Unit	Approx. Quantity	Unit Amount	Total Price
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A-3.	5-inch (5") thick reinforced concrete slope paving including head wall, toe wall, and rebar. Complete in place. @ _____ Per Square Yard	S.Y.	3,000.00	\$ _____	\$ _____
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TOTAL BASE BID PLUS ALTERNATES A-1, A-2, & A-3 \$ _____

1.0 GENERAL

1.1 DESCRIPTION

This section specifies requirements for the construction of concrete paving for erosion protection of the detention basin side slopes as called out on plans. All operations required for the proper completion of the paving work, including the fine-grading of the earth surfaces to be paved, are included under this section.

1.2 MEASUREMENT

Concrete slope paving shall be measured per square yard at the thickness shown and shall include all labor and materials including concrete, reinforcing steel, joint parting strips, dowels or reinforcing bars for construction and contraction joints, weepholes, sealants, grading, forms, excavation, placing, finishing, and curing. Area measurements will be made on the slope. Head walls and toe walls are incidental.

1.3 PAYMENT

The work performed and materials furnished as prescribed by this item and measured as provided under MEASUREMENT herein shall be paid for at the contract unit price bid for concrete slope paving.

2.0 PRODUCTS

2.1 CONCRETE AND REINFORCEMENT

- a. Concrete. Use Class A concrete as specified in Division 3, Concrete.
- b. Reinforcing Bars. Use bars conforming to ASTM A-615, Grade 60, for all smooth dowel bars at expansion joints. Use deformed bars conforming to ASTM A-615, Grade 40, for all other bars.
- c. Wire Mesh. Use ASTM A-185, electrically welded wire fabric of cold-drawn wire. Provide gauge and mesh size as shown on drawings. Rolled mesh is not allowed.

2.2 JOINT MATERIAL

- a. Expansion Joint Filler, Bituminous Type. Use performed bituminous filler conforming to ASTM D-994. Use 3/4-inch (3/4") thickness unless otherwise shown on the drawings.

b. Joint Sealing Compound. Furnish hot-poured elastomeric polymer exceeding Federal Specification SS-S-164.

c. Waterstops. Use polyvinylchloride waterstops as manufactured by Tiger Industries; or Progress Unlimited Inc.; or Electrovert, Inc.; or approved equal. Unless otherwise shown, use stops of 6-inch (6") minimum width and $\frac{3}{16}$ -inch ($\frac{3}{16}$ ") minimum thickness, similar in construction to "Tiger-Flex," Type SB, standard ribbed with bulb.

3.0 EXECUTION

3.1 SUBGRADE PREPARATION

a. Grade and dress areas to be paved to the line and grade shown on drawings.

b. If the subgrade is not properly consolidated, sprinkle and compact as directed before placing concrete.

c. Where material is required to finish the subgrade to required grade, use suitable material from excavation or other approved source. Wet and compact fills as directed, then fine grade entire areas to proper line and grade.

d. Before placing concrete, sprinkle as necessary to insure that all surfaces are moist when concrete is placed.

3.2 FORMS

a. Set forms accurately to uniform grade and slopes and to the elevations required to insure required paving thickness. The thicknesses shown on the drawings are minimum thicknesses. Take the irregularities of surface of earth into account in setting forms so that completed paving will not be thinner at any point than the specified thickness.

b. Maintain forms rigidly in proper alignment and to correct elevation throughout placing and finishing of concrete. Use forms of a type, strength and rigidity which will insure that preceding requirements will be met.

3.3 PLACING REINFORCEMENT

a. Reinforce paving as shown on plans or as specified. Support reinforcement on plastic chairs, so as to maintain its position at mid-depth of slab. Check to see that reinforcement is in this proper position at completion of placement of concrete.

b. Lap reinforcing bars 30 diameters of bar at splices. Lap wire mesh at least 12-inches at splices.

3.4 CONCRETE

a. Proportioning, Mixing, and Placing. Conform with the specifications for concrete in Division 3, Concrete.

b. Admixtures. Proportion admixtures according to the manufacturer's recommendations. Use of an approved accelerator is permitted when the air temperature is less than 40 F. Use of an approved retarder is required when the ambient temperature exceeds 85° F.

c. Hot Weather. Concrete temperature prior to placement shall not exceed 95° F.

d. The maximum time interval between the addition of cement to the batch, and the placing of concrete in the forms shall not exceed the following:

Concrete Temp (at point of placement)	Max Time (No Retarding Agent) Minutes	Max Time (With Retarding Agent) Minutes
Non-Agitated Concrete		
All Temperatures	30	45
Agitated Concrete		
Above 90 F	45	75
Above 75 F thru 90 F	60	90
75 F and Below	90	120

The use of an approved retarding agent in the concrete will permit the extension of each of the above temperature-time maximums by 30 minutes for bridge decks, top slabs of direct traffic culverts and cased drilled shafts, and one hour for all other concrete except that the maximum time shall not exceed 30 minutes for non-agitated concrete.

e. Finishing. After placing concrete, tamp thoroughly with approved template to consolidate the concrete, force coarse aggregate away from the surface and eliminate surface voids. Then screed surface to required section within a tolerance of one-quarter-inch (1/4") in 10-feet. While concrete is still green but sufficiently hardened to bear a man's weight, wood float to a smooth finish.

f. Curing. Cure slope paving using either wet earth, saturated cotton mats, or membrane curing compound.

- (1) Wet Earth. Immediately after the concrete has taken its initial set and the finishing of the surface has been completed, cover it with wet burlap or wet cotton mats. Keep burlap or mats saturated with water, both day and night, until the concrete has sufficiently hardened to permit final curing operations. Use burlap weighing at least 12-ounces per square yard. Upon removal of the burlap or cotton mats, cover surface of concrete with at least two-inches (2") of loose earth. Immediately saturate this earth covering with water and keep saturated for at least seven (7) days. Remove the earth after seven (7) days.
- (2) Cotton Mats. Immediately after the concrete has taken its initial set and the finishing of the surface has been completed, completely cover it with mats which have been thoroughly saturated before application. Place mats so that they will contact the surface of the paving equally at all points. Keep the cotton mats saturated so that, when compressed, water will drip freely from them. Leave the mats in place for at least 72-hours.
- (3) Membrane Curing. Use a commercial curing compound which will provide not less than 85 percent (85%) water retention when tested in accordance with ASTM C-156. Do not use a compound which will permanently discolor the concrete. Apply membrane immediately after concrete has taken its initial set and finishing of the surface has been completed. Apply with spray to cover all the surface with a uniform coating, following the methods recommended by the manufacturer.

3.5 JOINT SEALING

- a. Seal joints only when surface and joints are dry, ambient temperature is above 50°F, and weather is not foggy or rainy.
- b. Before work is started, the joint sealing equipment must be in first class working condition, and be approved by the Engineer. Use a concrete grooving machine or a power-operated wire brush and other equipment such as plows, brooms, brushes and blowers as required to produce satisfactory joints.
- c. Clean joints of loose scale, dirt, dust and curing compound. When required, remove the joint filler to the depth shown. The term joint includes wide joint spaces, expansion joints, dummy groove joints or cracks, either preformed or natural. Remove loose material from concrete surfaces adjacent to joints.
- d. Fill joints neatly with joint sealer to the depth shown. Pour sufficient joint sealer into the joints so that, upon completion, the surface of the sealer within the joint will be ¼-inch (¼") below the level of the adjacent surface or at an elevation as directed.

3.6 PROTECTION AND OPENING SLOPE PAVING TO CONSTRUCTION TRAFFIC

a. Protection. Protect the new concrete from construction traffic until 72 hours after pouring the slope paving. Do not drive vehicles over the slope paving until concrete is at least 10 curing days old. Such opening of slope paving to traffic in no way relieves the contractor from his responsibility for the work.

b. Curing Day. A curing day is defined as a calendar day when the temperature, taken in the shade away from artificial heat, is above 50° F for at least 19 hours, (or colder days if satisfactory provisions are made to maintain the temperature at all surfaces of the concrete above 40° F for the entire 24 hours). The required curing period shall begin when all concrete has attained its initial set.

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