

ADDENDUM No. 1
TROY TAP PROJECT
Federal Project No. TAP-9900 (383)

CITY OF TROY, MISSOURI
April 12, 2016

Notice is hereby given to bidders that in reference to the subject project, the following modifications shall be noted. All other aspects of the Contract Documents remain in full force and effect.

CLARIFICATIONS

1. Bid Opening is on Tuesday, April 19th at 10:30 A.M.
2. The project has been broken into a base bid with two add alternates. See the next section of this addendum for locations of the base and alternates.
3. See the Questions and Answers section of the Pre-bid Meeting Minutes for further clarification and answers that were not given at the Pre-bid Meeting.

BID PROPOSAL FORM CHANGES

The following changes have been made to the bid proposal form. **A revised bid proposal form is attached.** The Bidder shall use the revised bid proposal form when preparing his bid.

- Broke up the project and bid items into a base bid with two add alternates. The base bid is from Sta. 4+75 to Sta. 12+36 (North of the Pedestrian Bridge and work on East side of Main Street). Add Alternate No. 1 is from Sta. 4+10 to Sta. 4+75 (Pedestrian Bridge). Add Alternate No. 2 is from Sta. 0+00 to Sta. 4+10 (South of the Pedestrian Bridge).
- Added Bid Item: 203-99.07 – Rock Excavation for Storm Sewer and Water 175 CY
- Changed Unit of Item 603-99.02 – Water Main Adjustment to 55 LF

JOB SPECIAL PROVISIONS CHANGES:

The Bidder shall replace the following Job Special Provisions with the one listed below. To further clarify, replace “Water Main Adjustment at Annie Avenue” with “Water Main Adjustment”.

W. **WATER MAIN ADJUSTMENT**

1.0 Description. This work involves vertically adjusting the water mains that are in conflict with storm sewer pipe. The work may also involve relocation of valves, hydrants, or other appurtenances and shall be included in the unit price of “Water Main Adjustment”. The known location for a conflict is at Annie Avenue and possible locations for conflicts are at Trail and Blair Avenue.

2.0 Construction Methods. All construction shall be in accordance with the City of Troy’s specifications. A construction observer from the City will be on-site during this work to ensure satisfaction. The contractor is responsible for giving the City two-week’s notice prior to this construction.

3.0 Basis of Payment: All materials to adjust the water main will be provided by the City of Troy, excluding concrete for thrust blocks. All other expenses incurred by the contractor by

reason of their compliance with this provision shall be considered as completely covered by the unit price bid for:

Item No. 603-99.02, Water Main Adjustment, per linear foot.

The Bidder shall acknowledge the additional Job Special Provisions listed below.

MM. ROCK EXCAVATION

1.0 Description. This work involves excavation of rock by mechanical means for the installation of storm sewer improvements and/or water line adjustments. Mechanical excavation is defined as material that requires a hydraulic rock hammer mounted on a trackhoe. Excavation that is accomplished with a conventional trackhoe bucket will not be classified as rock excavation. Blasting is not allowed on this project.

2.0 Pay width and depth. The maximum pay width for rock excavation shall be a trench width of I.D. + 30 inches (vertical walls). The depth of excavation will be defined as the distance from bottom of pipe bedding course to the top of the intact bedrock surface.

3.0 Basis of Payment: All labor and equipment needed for the excavation of rock shall be considered as completely covered by the cubic yard price bid for:


Item No. 203-99.07, Rock Excavation for Storm Sewer and Water, per cubic yard

The contractor and inspector shall come to an agreed quantity and document the cubic yard of rock excavated daily. No additional payment will be made for trenches wider or deeper than those description in section 2.0 of this JSP.

DOCUMENTS ATTACHED FOR REFERENCE

**Minutes from Pre-Bid Meeting held April 6, 2016.
Revised Bid Form**

BARTLETT & WEST, INC.

A handwritten signature in black ink, appearing to read "Steve Schultz".

Steve Schultz, P.E.
Project Manager

Enclosures

Project Overview

- The City of Troy has been awarded a grant for construction of an ADA sidewalk near Main Street Elementary through MoDOT's Transportation Alternative Program. With that being said, MoDOT is overseeing the project and requires standard LPA documents to be filled out during the duration of the project. The DBE goal for this project is **10%**. On top of sidewalk construction, this project involves: storm sewers improvements, curb & gutter construction, prefabricated pedestrian bridge design/construction/installation, retaining wall design/construction, water lines construction, erosion control installation, traffic control installation/operation, and seeding/restoration.

Sheet 2

- All construction shall be in accordance with MoDOT standard plans for highway construction. Unless noted otherwise on the plans.
- All construction must be ADA compliant and will have to be approved at a final walk-thru by MoDOT. Any non-compliant construction must be replaced at the contractor's expense.
- Over the entire length of the project the sidewalk is 5 (ft.) wide with either a 2 (ft.) or 5 (ft.) greenspace.
 - South of the creek has a 2 (ft.) greenspace and it varies whether or not curb will be replaced or simply used in place. We will clarify this when we cover sheet 4. The curb and gutter (south of the bridge) that is to be replaced shall be the roll back style to match the existing curb and gutter that we are leaving in place
 - North of the creek has a 5 (ft.) greenspace and the curb & gutter is a straight back style. From the creek to the north end of the project there is new curb & gutter that gets installed.
- Anywhere there is to be new curb and gutter installed we have included a 1 (ft.) width of pavement to be reconstructed. The intent is to give the contractor room to form up the curb and gutter. There will be no measurement of this in the field and the contractor will be paid for by the contract quantity.
- Modular block wall shall match the size and color of the block wall that exist at the property on the corner of College St and Main St. The contractor is responsible for having this wall designed and must submit shop drawings that will be approved by the engineer.

Sheet 3

- Control Points Sheet
- Also, included the alignment table on this sheet for clarity of the plan/profile sheets

Sheet 4

- Note that the alignment is along the edge of the pavement, which is where the existing grade profile is cut that is shown in the profile. However, the proposed grade is shown at the edge of the sidewalk (roadway side).
- Note that one lane in each direction on Main St. shall remain open at all times from 7:30 AM to 5:30 PM.

- On the south end of the project you are to install new C&G. The intention is to better align this section of the C&G with C&G that we are using in place while eliminating the parallel parking next to the street.
- Note that there are roof drains along the entire stretch of this project. They are either to be extended to the storm sewer or to the C&G.
- In front of Parcel 2 there is to be a 3' tall decorative fence anywhere the height of the retaining wall exceeds 3'
- Note that the retaining wall construction may be in conflict with either the sewer laterals or water services. The contractor can either relocate these or work with their wall design engineer on wall penetration detail that is to be submitted and approved by the engineer.
- Note that soil may be removed by the property owner at Parcel 3. During our meetings with the owner he indicated he may move some soil to his back yard. We just wanted to make you all aware of it.
- There are various utilities that are required to be moved or adjusted. If the notes do not state, "by others" the contractor shall assume this work is to be done by themselves.
- Prefabricated bridge is to be designed by Missouri Licensed P.E. It is the responsibility of the contractor and shop drawings shall be submitted to the engineer for approval.
 - Will elaborate more on this when we get to sheet 7.
- Note that there are various notes regarding coordination between the contractor and various utility companies. All utility companies have been contacted by the engineer and plans for relocations have either been completed or have a plan in place. The coordination shall be considered incidental to other bid items.
- Water line at Main St. and Annie Ave. needs adjusted vertically to accommodate the storm sewer pipe. The material will be provided by the City of Troy.
- All storm sewer pipe shall be smooth walled Group B. The intention is to use either RCP or HDPE, not CMP. However, CMP may be used where connect to existing CMP pipe. Also, note that plastic end sections will not be accepted. Only RCP and CMP end sections will be allowed.

Sheet 5

- Inlet 10 requires a special lid to accommodate an ADA ramp. Note that there is a concept shown on the plans but it is up to the contractor and/or precaster to determine how they would like to construct this. Shop drawings shall be submitted and approved by the engineer.
- Removed existing concrete ditch liner. This is necessary because the flowline of the pipe is below the existing flowline of the ditch. Note that you will not be allowed to bury this concrete in the storm sewer trench.

Sheet 6

- Note that the sidewalk is along the Back of Curb at the entrance of the school. This is to avoid the existing Fire Hydrant.

Sheet 7

- The bridge length varies because there are a variety of bridge manufacturers and each one seems to have a different length. The intent is not to bring confusion to this matter, but rather flexibility for the contractor.
- The prefabricated bridge, including the abutments, are to be designed by a contractor's engineer
- Note that there are some overhead utilities should be considered while bidding this prefabricated bridge. They could make it more difficult for construction.

Sheet 8

- Driveways are to be constructed with Asphalt pavement to match existing parking lots. Ensure that 5' wide walking path is constructed less than 2%.

Sheet 9

- Retaining wall profiles are shown for bidding purposes. The final profile will be done by the contractor's designer and approved by the engineer.

Sheet 10

- Remember that the pipe shall be smooth walled Group B. No CMP is allowed, unless connecting to an existing CMP. End sections shall either be RCP or CMP.
- Connect 15" pipe with a non-protruding connection. Something similar to an Inserta-tee.

Sheet 11

- Note that the contractor will only be paid for channelizers and other traffic control devices required for 400 (ft.) max of working area. If the contractor wishes to construct along entire length of the project at one time, he/she will not get paid for additional traffic control devices.
- Notify property owners of driveway closures. Try to give them plenty of notice—48 hours.

Sheet 12

- Note that the traffic control plans are in separate phases. There is no direct payment for relocation of traffic control devices.
- Gravel between Trail Ave. and Blair Ave. will be installed by the City prior to construction.

Sheet 13

- Contractor does have an option to utilize a flagger for construction along Main St. The intent is that this is only performed during construction of the storm sewer crossing Main St.
- Main St. must remain open at all times with the exception to this rule may be granted if the contractor wishes from the hours of 5:30 P.M. to 7:00 A.M. on a single day. Contractor shall notify the authorities.
- Annie Ave. may remain closed during construction of the storm sewer crossing.

Sheet 14

- Ditch checks shown on this sheet would be required if construction starts at the north end of the project. We realize that it is more likely construction begins near the creek with storm sewer but be wanted to give the contractor as much flexibility as possible. Note that you will only be paid for erosion control devices that are installed and deemed necessary by the engineer.

Sheet 15

- Note that the contractor will only be paid for erosion control devices installed.

Sheet 16

- Standard details for storm sewer and the concrete steps.

Bid Form

- Note that there are some bid items that were adjusted to accommodate field adjustments that may be needed.

Bid Opening is on Tuesday, April 19th at 10:30 A.M.

Questions: We understand that there is one exception to the Main Street traffic control requirements allowing for closure of the roadway overnight for the construction of the storm sewer pipe. What about the construction of the bridge.

Answer: An additional closure of the roadway is allowed for bridge construction from 5:30 PM to 7:30 AM as described on the plans for the construction of the storm sewer crossing Main Street.

Question: What are you doing about Bed Rock? It was pointed out that Bed Rock is just below the existing concrete lined ditch.

Answer: Addendum No. 1 will include a line item for bed rock and a new JSP.

Question: Will trimming of the pine tree be allowed near the school entrance while installing Manhole-3 or can it be removed?

Answer: This tree will not be allowed to be removed and if it is determined by the inspector on site to be trimmed during construction this shall be done at the contractor's expense.

Question: Do we foresee any issue with the waterline at Blair and Trail Avenue?

Answer: We are thinking that the water line is low enough at those streets because we are only excavating 1 (ft.) or so below the existing concrete ditch but if there is a conflict determined during construction we are modifying the water line "lump sum" pay item to a per linear foot. We will also modify the JSP.

Question: Is a Land disturbance permit necessary for construction?

Answer: Yes, we are disturbing more than 1 acre and this is to be obtained by the contractor.

Question: Is a Land disturbance permit necessary for construction?

Answer: Yes, we are disturbing more than 1 acre and this is to be obtained by the contractor.

Question: How are we getting paid for disturbing Main Street pavement?

Answer: We realize that this is large storm sewer pipe and structures which will require a large piece of equipment for construction. However, the contractor will be responsible for repairing at the contractor's expense any pavement not shown on the plans to be replaced but disturbed. The contractor is advised to use methods for protecting the pavement such as using plywood as a barrier between the tracks and the pavement.

Question: Is bedding required for plastic pipe?

Answer: Yes, bedding shall be in compliance with MoDOT specifications.

Question: Is there enough time to get everything completed by August 15th? Especially since there will be some time involved with getting the bridge designed, prefabricated, and delivered to the site.

Answer: We understand that there is a fair amount of lead time on the prefabricated bridge. Therefore we are requiring construction from Trail Avenue to Main Street Elementary be completed by August 15th. The remainder of the construction shall be completed by Friday, September 9, 2016. Liquidated damages remain in effect for both dates.

BID FORM

Proposal of _____ (hereinafter called "BIDDER"),
organized and existing under the laws of the State of _____ doing business
as _____ to the City of Troy, Missouri.
(a corporation, a LLC, a partnership, an individual)

BIDDER hereby proposes to perform all WORK for the construction of

**City of Troy – Main Street Sidewalk
Federal Aid Project No. TAP-9900(383)**

in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID, each party thereto certifies as to its own organization, that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED.

BIDDER further agrees to pay as liquidated damages the sum of **\$700.00** for each consecutive calendar day after the allowed period of performance.

BIDDER acknowledges receipt of the following ADDENDUM:

No. , dated _____

No. , dated _____

No. , dated _____

BID FORM
TROY, MO – MAIN STREET SIDEWALK PROJECT
FEDERAL PROJECT NO. TAP-9900(383)

Item No.	Description	Quantity	Unit	Unit Price	Extension
	Base Bid				
202-20.10	Removal of Improvements	1	LS		
203-99.07	Rock Excavation for Storm Sewer and Water	175	CY		
304-99.05	Type 5 Aggregate For Base (4 in. Thick)	275	SY		
401-99.05	Bituminous Pavement Mixture PG64-22, (BP-1)	275	SY		
401-99.06	Bituminous Pavement Mixture PG64-22, (Base), 7.5"	275	SY		
603-99.02	Water Main Adjustment	55	LF		
604-99.02	Roof Drain Extension	1	EA		
607-10.11A	Chain-Link Fence (48 in.)	76	LF		
608-10.10	Concrete Curb Ramp	100	SY		
608-10.12	Truncated Domes	75	SF		
608-60.04	Concrete Sidewalk, 4 in.	350	SY		
609-60.20	Furnishing Type 2 Rock Ditch Liner	102.0	CY		
609-60.42	Placing Type 2 Rock Ditch Liner	102.0	CY		
609-99.03	Straight Back Curb and Gutter (CG-1) (24")	732	LF		
614-99.02	5'x6' APWA Type 3 Curb Inlet	1	EA		
614-99.03	5'x8' APWA Type 3 Curb Inlet	2	EA		
614-99.04	6'x8' APWA Type 3 Curb Inlet	1	EA		
614-99.05	8'x8' APWA Type 3 Curb Inlet	2	EA		
614-99.06	15" Inline Drain Inlet	1	EA		
616-10.05	Construction Signs	187	SF		
616-10.28	Channelizer	16	EA		
616-10.30	Type III Moveable Barricade	2	EA		
616-10.31	Type III Moveable Barricade with Light	2	EA		
618-10.00	Mobilization	1	LS		
627-40.00	Contractor Furnished Surveying and Staking	1	LS		
726-99.15	15 in. Group B Pipe	18	LF		
726-99.15A	15 in. Corrugated Metal Pipe	20	LF		
726-99.21	21 in. Group B Pipe	10	LF		
726-99.36	36 in. Group B Pipe	10	LF		
726-99.48	48 in. Group B Pipe	427	LF		
726-99.54	54 in. Group B Pipe	192	LF		
726-99.54A	5'x4' RCP	99	LS		
731-99.02A	Standard 6' Dia. Manhole Flat Top	1	EA		
731-99.02B	Standard 8' Dia. Manhole Flat Top	1	EA		
731-99.32	Connect to Exist. Storm Sewer	5	EA		
731-99.33	Storm Sewer Pipe Connections	2	EA		
732-99.15A	15 in. Corrugated Metal Flared End Section	1	EA		
732-99.54	5'x4' Wingwall and Headwall	1	LS		
805-10.00A	Seeding - Cool Season Mixtures	0.14	AC		
806-10.07A	Curb Inlet Check	7	EA		
806-10.16	Sediment Removal	21	CY		
806-10.17	Temporary Seeding and Mulching	0.07	AC		

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BID FORM
TROY, MO – MAIN STREET SIDEWALK PROJECT
FEDERAL PROJECT NO. TAP-9900(383)

Item No.	Description	Quantity	Unit	Unit Price	Extension
806-10.19	Silt Fence	211	LF		
806-10.22	Type II Ditch Check	19	EA		
903-99.02	Remove and Relocate Sign	5	EA		
	Total Base Bid				
	Add Alternate # 1				
608-60.04	Concrete Sidewalk, 4 in.	10	SY		
627-40.00	Contractor Furnished Surveying and Staking	1	LS		
703-99.03	Prefabricated Pedestrian Bridge	1	LS		
805-10.00A	Seeding - Cool Season Mixtures	0.05	AC		
806-10.17	Temporary Seeding and Mulching	0.02	AC		
	Total Add Alternate # 1				
	Add Alternate # 2				
304-99.05	Type 5 Aggregate For Base (4 in. Thick)	155	SY		
401-99.05	Bituminous Pavement Mixture PG64-22, (BP-1)	155	SY		
401-99.07	Bituminous Pavement Mixture PG64-22, (Base), 5.5"	155	SY		
603-99.03	Water Meter/Valve Adjustment/Relocation	1	EA		
603-99.04	Water Service Line	100	LF		
603-99.23	Sanitary Sewer Lateral	100	LF		
604-99.02	Roof Drain Extension	2	EA		
607-99.03	3' Decorative Black Aluminum Fence	28	LF		
608-10.10	Concrete Curb Ramp	60	SY		
608-10.12	Truncated Domes	10	SF		
608-60.04	Concrete Sidewalk, 4 in.	185	SY		
608-99.05	Concrete Stairs	10	SY		
609-99.04	Roll Back Curb and Gutter (CG-2) (30")	200	LF		
627-40.00	Contractor Furnished Surveying and Staking	1	LS		
720-99.04	Retaining Wall	1,194	SF		
805-10.00A	Seeding - Cool Season Mixtures	0.12	AC		
806-10.07A	Curb Inlet Check	1	EA		
806-10.16	Sediment Removal	1	CY		
806-10.17	Temporary Seeding and Mulching	0.06	AC		
806-10.19	Silt Fence	78	LF		
903-99.02	Remove and Relocate Sign	2	EA		
903-99.02A	No Parking Sign, Complete	2	EA		
903-99.02B	Business Entrance Direction Sign, Complete	3	EA		
	Total Add Alternate # 2				
Total Construction Cost					

NOTE: The following quantities have been increased above the amount shown on the plans to accommodate field changes approved and instructed by the inspector.

- Type 5 Aggregate For Base (4 in. Thick)
- Bituminous Pavement Mixture PG64-22, (BP-1)
- Bituminous Pavement Mixture PG64-22, (Base), 7.5"
- Bituminous Pavement Mixture PG64-22, (Base), 5.5"
- Concrete Curb Ramp
- Concrete Sidewalk, 4 in.
- Concrete Stairs

These quantities have been increased by approximately 10% or to the nearest whole number (being either zero (0) or five (5) as applicable). The pay quantity shall be measured in the field.

The low bidder will be determined based upon either the base bid total or the base bid plus alternate(s) total depending on whether the alternates are chosen to be constructed. Alternates will be accepted in numerical order.

This Bid is submitted by:

Name (Corporation, LLC, Partnership, Individual)

Authorized Signature

Date

Title

Address

FEIN

Phone No.

City, State, Zip

CORPORATE SEAL – (if BID is by a corporation)