

ADDENDUM NO. 2

To the Plans and Specifications for:

31st Avenue Roadway & Potable Water Improvements

City of Gulfport

1. **BID DATE:** **NO CHANGE**
TUESDAY, SEPTEMBER 20, 2016 @ 2:00 P.M.

2. **TECHNICAL SPECIFICATIONS:**

The Bid Schedule has been revised to include a pay item for roadway reconstruction.

The Measurement and Payment Section has been revised to include a pay item for roadway reconstruction.

3. **PLANS:** **NO CHANGE**

4. **GENERAL CLARIFICATION / INFORMATION:**

GC.1 Bidders shall acknowledge receipt of all addenda in Section 00310, Proposal.

GC.2 The low bidder will be selected based upon the Base Bid only. The City will determine if roadway reconstruction will be performed after the low bidder has been identified.

GC.3 In lieu of Full Depth Reclamation (FDR), the Contractor has the option to remove the existing base and install crushed concrete base (10”).

GC.4 FDR or roadway reconstruction will require that work occur around existing buried utilities (proposed to remain). The Contractor shall locate, protect and/or support all utilities within the project area.

GC.5 Fusible PVC will not be an acceptable material substitution for the directional drill. HDPE shall be used.

GC.6 The City has reported that it is not believed that AC pipe is present.

GC.7 The Contractor shall make all efforts to minimize disturbances to Beach Blvd. Special accommodations shall be made each Tuesday when the City holds an open air market. It is recommend that major work activities not occur at these times.

GC.8 The work is proposed to begin in November.

CITY OF GULFPORT

September 14, 2016

Section 00320

Bid Schedule

No changes shall be made to the Pay Item Quantities contained herein. Any corrections to bidders' entries shall be made in ink and shall be initialed by the bidder

ITEM NUMBER	APPROXIMATE QUANTITIES	ITEM & UNIT PRICES BID (PRICES TO BE WRITTEN IN WORDS)	UNIT PRICE	AMOUNT
BASE BID				
A-G-1	1 Lump Sum	Mobilization		
		Lump Sum	\$	\$
A-G-2	1 Lump Sum	Maintenance of Traffic		
		Lump Sum	\$	\$
A-G-3	1 Lump Sum	Erosion & Sediment Control		
		Lump Sum	\$	\$
A-W-1	3 Each	Chlorine Injection Point		
		Per Each	\$	\$
A-W-2	10 Each	Sampling Point		
		Per Each	\$	\$
A-W-3	9 Each	Temporary Blow Off		
		Per Each	\$	\$
A-W-4	5 Each	Water Service (1")		
		Per Each	\$	\$
A-W-5	3 Each	Water Service (1-1/2")		
		Per Each	\$	\$
A-W-6	6 Each	Connect to Existing 1-1/2" WM		
		Per Each	\$	\$
A-W-7	1 Each	Connect to Existing 8" WM		
		Per Each	\$	\$

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ITEM NUMBER	APPROXIMATE QUANTITIES	ITEM & UNIT PRICES BID (PRICES TO BE WRITTEN IN WORDS)	UNIT PRICE	AMOUNT
A-W-8	6 Each	Cut & Cap Pipe (6")		
		Per Each	\$	\$
A-W-9	3 Each	Fire Hydrant Assembly		
		Per Each	\$	\$
A-W-10	700 Linear Feet	8" PVC		
		Per Linear Foot	\$	\$
A-W-11	210 Linear Feet	8" HDPE (Directional Drill)		
		Per Linear Foot	\$	\$
A-W-12	2 Each	8" Gate Valve		
		Per Each	\$	\$
A-W-13	6 Each	8" x 6" Tee		
		Per Each	\$	\$
A-W-14	1 Each	8" x 6" Reducer		
		Per Each	\$	\$
A-W-15	16 Each	8" 45-Degree Bends		
		Per Each	\$	\$
A-W-16	6 Each	6" Plug		
		Per Each	\$	\$
A-W-17	35 Linear Feet	6" PVC		
		Per Linear Foot	\$	\$

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ITEM NUMBER	APPROXIMATE QUANTITIES	ITEM & UNIT PRICES BID (PRICES TO BE WRITTEN IN WORDS)	UNIT PRICE	AMOUNT
A-W-18	1 Each	6" x 6" Tapping Valve & Sleeve (& Thrust Block)		
		Per Each	\$	\$
A-W-19	235 Linear Feet	2" PVC (w/ Fittings)		
		Per Linear Foot	\$	\$
A-W-20	450 Linear Feet	2" HDPE (Directional Drill)		
		Per Linear Foot	\$	\$
A-W-21	7 Each	2" Gate Valve		
		Per Each	\$	\$
A-W-22	225 Linear Feet	1-1/2" Pipe Removal		
		Per Linear Foot	\$	\$
A-W-23	85 Linear Feet	6" Pipe Removal		
		Per Linear Foot	\$	\$
A-W-24	20 Linear Feet	8" Pipe Removal		
		Per Linear Foot	\$	\$
A-RW-1	3,875 Square Yards	Full Depth Reclamation		
		Per Square Yard	\$	\$
A-RW-2	11,625 Gallons	Asphalt Emulsion for Full Depth Reclamation		
		Per Gallon	\$	\$
A-RW-3	70 Tons	Cement for Full Depth Reclamation		
		Per Ton	\$	\$

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ITEM NUMBER	APPROXIMATE QUANTITIES	ITEM & UNIT PRICES BID (PRICES TO BE WRITTEN IN WORDS)	UNIT PRICE	AMOUNT
A-RW-4	550 Linear Feet	Miami Curb Reconstruction		
		Per Linear Foot	\$	\$
A-RW-5	220 Linear Feet	Valley Curb Construction		
		Per Linear Foot	\$	\$
A-RW-6	450 Tons	Asphalt Wearing Surface (2")		
		Per Ton	\$	\$
A-R-1	25 Square Yards	Asphalt Roadway Restoration		
		Per Square Yard	\$	\$
A-R-2	325 Square Yards	Brick Roadway Restoration		
		Per Square Yard	\$	\$
A-R-3	310 Square Yards	Alley Regrading (City to Supply Millings)		
		Per Square Yard	\$	\$
A-R-4	50 Linear Feet	Remove & Reset Granite Curbing		
		Per Linear Foot	\$	\$
A-R-5	7,000 Square Feet	Sodding		
		Per Square Foot	\$	\$
A-R-6	270 Square Feet	Concrete Driveway Restoration		
		Per Square Foot	\$	\$
A-M-1	250 Cubic Yards	Unsuitable Material Removal & Replacement		
		Per Cubic Yard	\$	\$
TOTAL (BASE BID)				\$

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ITEM NUMBER	APPROXIMATE QUANTITIES	ITEM & UNIT PRICES BID (PRICES TO BE WRITTEN IN WORDS)	UNIT PRICE	AMOUNT
ALT-1	1,300 Linear Feet	Roadway Reconstruction		
		Per Linear Foot	\$	\$

**Section 01025
Measurement & Payment**

Part 1 General

1.01 Scope of Payment

Payment to the CONTRACTOR will be made for actual quantities and work completed and accepted in accordance with the Contract.

The CONTRACTOR shall accept in compensation provided herein full payment for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete all work included in the Contract; also for all loss or damage arising from the nature of the work, inclement weather, action of the elements or from any unforeseen difficulties which may be encountered during the execution of the work or except as provided herein. The CITY will make no allowances for items not included in the proposal.

1.02 Procedure for Measurement

- A. For lump sum items, payment shall be based on the lump sum prices set forth in the Bid Proposal and based on the amount of completed work.
- B. For field measured unit-price items, payment shall be based on the actual amount of work accepted and the actual amount of materials in place, as will be determined by measurements.

1.03 Estimated Quantities

All estimated field measure quantities stipulated in the Bid Proposal or other Contract Documents are approximate and are to be used only (a) as a basis for estimating the probable cost of the WORK and (b) for purpose of comparing the bids submitted for the WORK. The actual amounts of WORK done under field measured unit price items may differ from the estimated quantities. The basis of payment for WORK will be the actual amount of WORK performed and field measured.

Should the quantities of unit price items listed in the original Bid Proposal increase or decrease, the prices for these items must be at the unit price quoted by the CONTRACTOR on his original Bid Proposal.

1.04 Incidental Work

All work shown on the plans and referenced in the specifications as being part of the contract for which no separate pay item is provided is considered incidental to the contract. Incidental items are to be incorporated into the pay items provided. Claims for separate payment of incidental items will not be considered.

1.05 Items Included but Not Specified

The unit or lump sum prices designated in the Bid Proposal shall include all profit, taxes, labor, overhead, material, equipment, tools, survey staking, record drawing preparation, utility notification and coordination, protection of existing utilities, tree protection measures, temporary support of existing utilities, resetting of utility appurtenances and markers, irrigation protection, rock excavation, shoring (proprietary & non-proprietary), sheeting and slope protection

(proprietary & non-proprietary), night work when needed, design of sheeting/shoring/slope stabilization, backfill, dewatering, extra backfill material as required, excavation materials, protection and preservation of existing structures, salvaging of items as shown on the drawings, coordination with City staff and residents (including door hangers), mailbox protection and resetting of mailboxes, resetting of roadway signage, field survey, securing a Building Permit and other work incidental thereto and specified in these specifications and on the drawings.

If unsuitable material is found in any location it shall be removed, transported offsite, properly disposed of and replaced (if needed) at no additional cost to the City (unless material is located within the allowable compensation limits).

1.06 Description of Pay Items

The following describes the measurement of and payment for the work to be done under the respective items listed in the Bid Proposal.

Each field measure unit or lump sum item stated in the Bid Proposal shall constitute full compensation for each items of work completed.

Mobilization (ITEM A-G-1)

The work specified under this Section consists of preparatory work and operation in mobilizing to begin work on the project, including but limited to those operations necessary for the movement of personnel, equipment, supplies and incidentals to the project site(s), and for the establishment of temporary offices, buildings, safety equipment, project sign and first aid supplies, sanitary and other facilities as required by these specifications, special provisions, and state and local laws and regulations. Mobilization costs shall also include the costs of preconstruction videotaping, coordination with residents throughout the project's duration, coordination with City representatives throughout the project's duration, project signs, insurance, bonds, permits (including NPDES and dewatering) and other Contract materials. The contract unit price will be on a lump sum unit price. Partial payments will be allowed as outlined below.

PERCENT OF ORIGINAL CONTRACT AMOUNT EARNED	ALLOWABLE PERCENT OF THE LUMP SUM PRICE FOR MOBILIZATION (*)
5	25
10	50
25	75
100	100

Maintenance of Traffic (ITEM A-G-2)

This Section consists of the maintaining of traffic (vehicular and pedestrian) within limits of the project for the duration of the construction period, in accordance with the requirements of FDOT Section 102 of the "Standard Specifications", as amended herein.

The Contractor will not be permitted to close access to residences or places of business. Provisions shall be made to provide access to large trucks for pick-up and delivery of materials during the construction period. The Contractor shall furnish, erect, and maintain all necessary traffic control and safety devices, in accordance with the Florida Department of Transportation "ROADWAY AND TRAFFIC DESIGN STANDARDS", applicable edition, and State of Florida's "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY

CONSTRUCTION MAINTENANCE AND UTILITY OPERATIONS", applicable edition, and shall take all necessary precautions for the protection of the work and the safety of the public for duration of the construction period.

A Maintenance of Traffic (MOT) plan shall be submitted to the City (or right-of-way owner), by the Contractor, and approved prior to implementation. This plan shall include all necessary signage and dimensions.

The work specified under this Section shall include the furnishing, erection, and maintenance of all temporary traffic barricades of whatever type required, and for such duration as may be required, and shall include all materials and construction necessary for temporary connections and driveway maintenance. The Contractor will also be responsible for coordinating with adjacent property owners regarding changes and/or alterations to the MOT plan. The Contract unit price for this item will be a lump sum unit price. Partial payments for maintenance of traffic will be limited to the overall percent of the work completed by the Contractor.

Erosion & Sediment Control (ITEM A-G-3)

Price shall include payment for all installation, maintenance, removal, and all other incidentals necessary to provide erosion and sediment control as notated on the plans (or as needed to successfully control sediment throughout the project limits) and as required by any local, state or Federal code, statute or ordinance. Daily debris removal from right of ways, easements and vehicle use areas shall be included in this pay item. Payment for this item shall be on a lump sum basis and shall include washdown areas and all necessary equipment, labor and materials to complete this pay item. The Contractor shall receive compensation for this item as stipulated in the below table.

PERCENT OF ORIGINAL CONTRACT AMOUNT EARNED	ALLOWABLE PERCENT OF THE LUMP SUM PRICE FOR EROSION AND SEDIMENT CONTROL
5	25
10	50
25	75
100	100

Water Main (ITEM A-W-1 through ITEM A-W-24)

- A. Payment for water main construction shall be made at the contract unit price per linear foot for each size of water main, which will be full compensation for all labor, materials, appurtenances, and equipment necessary to install the items as shown on the Plans. This item shall include all survey staking, utility coordination, excavation, disposal of excess material, dewatering, sheeting, trench stabilization, protection of existing storm piping and other utilities during the water main installation, protection of the existing roadway, backfill, compaction, polyethylene encasement, identification tape, thrust blocks, pipe restraint (proposed and existing piping), connections to existing water mains, plugging and capping of existing water mains, protection of trees and surface restoration (sod) required to provide a complete installation.
- B. Payment for valves, tapping valves and sleeves, installing fire hydrant assemblies and backflow preventers and other individual fittings for water mains shall be made at the contract unit price per item for the size and type of item installed. The City will supply the valves, hydrants, 2" HDPE (for directional drilling) and tapping sleeve & valve. This price

shall be full compensation for all labor, materials, equipment, and incidentals required to install the items as shown on the Plans. This item includes all survey staking, utility coordination, excavation, disposal of excess material, dewatering, sheeting, trench stabilization, protection of the existing roadway, backfill, compaction, polyethylene encasement, identification tape, thrust blocks, pipe restraint (existing and proposed), connections to existing water mains, plugging and capping of existing water mains, protection of trees and surface restoration (sod, asphalt, sidewalk, curb, etc.) required to provide a complete installation.

- C. Payment for new service lines shall be made at the contract unit price per each service line installed. Payment shall be full compensation for all labor, equipment, materials, dewatering, disposal of excess material, fittings, taps, curb stops, corporation stops, HDPE and all other incidentals required to provide a complete installation in accordance with the Plans.

Full Depth Reclamation (ITEM A-RW-1)

Asphalt Emulsion for Full Depth Reclamation (ITEM A-RW-2)

Cement for Full Depth Reclamation (ITEM A-RW-3)

Payment for full depth reclamation shall be made on a per square yard restored basis and shall include all necessary equipment, materials and labor required to complete this item. Work activities to be covered under this pay item shall include, but not be limited to, the following: saw cutting existing asphalt pavement in a clean and neat manner, pre-construction roadway elevation measurements, pre-construction roadway cores to determine mix design, pre-construction laboratory testing to determine mix design, mix design preparation, furnishing and installing foamed asphalt, asphalt emulsion and cement, pulverizing, mixing, furnishing water at the site for construction operations, grading, compacting, control strip(s) (as needed), testing, additional base material, removal of unsuitable material, priming of base, tack coat application, testing and all incidental items required to complete this pay item.

Miami Curb Reconstruction (ITEM A-RW-4)

Valley Curb Construction (ITEM A-RW-5)

Payment for curb reconstruction will be paid for at the Contract Unit Price per linear foot of curb restored, as measured along the inside face of curb, and shall include as necessary equipment, labor, and materials required to complete this pay item. Payment for curb shall include, but not limited to, the following: pre-construction elevation measurements, layout of new curbing, dewatering, removal of existing curbing, salvaging of granite curbing, roadway excavation (as needed) to provide positive fall, preparation of base, compaction, forming, placement of reinforcement, pouring of concrete, concrete gore area construction for valley curbing, testing, and all other incidental items required to successfully complete this pay item.

Asphalt Wearing Surface (ITEM A-RW-6)

Payment for asphalt wearing surface will be paid for at the Contract Unit Price per ton of asphalt wearing surface installed including all necessary equipment, labor, and materials required to complete this pay item. Payment for asphalt wearing surface shall include, but not limited to, the following: pre-construction elevation measurements, furnishing and installing asphalt, placing asphalt in two (2) 1-inch lifts, striping restoration (temporary painted and permanent thermoplastic), grading, compaction, testing and all other incidental items required to successfully complete this pay item.

Asphalt Roadway Restoration (ITEM A-R-1)
Brick Roadway Restoration (ITEM A-R-2)

Payment for the restoration of existing roadways shall be made on a per square yard restored basis and shall include all necessary equipment, materials and labor required to complete this item. Work activities to be covered under this pay item shall include, but not be limited to, the following: saw cutting existing asphalt pavement in a clean and neat manner, removing and properly storing existing bricks, furnishing fill, subgrade and base material, placement of flowable fill (if desired by the Contractor to minimize material testing requirements; at no additional cost to the City), use of sheeting/shoring/trench box to minimize excavation limits, dewatering, placement of fill, subgrade and base material per the plans and specifications, compaction of fill, subgrade, and base in accordance with the specifications, stabilization of subgrade, grading as needed to restore preconstruction stormwater flow patterns and match existing pavement elevations, application of prime and tack coats, furnish and place asphalt, resetting of existing bricks (match existing pattern), replacement of damaged bricks, compaction, testing and all incidental items required to complete this pay item. Roadway restoration shall be in compliance with all plan and specification requirements.

Alley Regrading (City to Supply Millings) (ITEM A-R-3)

Payment for the regrading of existing alleys shall be made on a per square yard of alley regraded basis and shall include all necessary equipment, materials and labor required to complete this item. Work activities to be covered under this pay item shall include, but not be limited to, the following: pre-construction elevation acquisition, removal of existing alley base, subgrade and wearing surface, disposal of removed material, placement of clean fill, furnishing and installing base material at the plan-specified depth, delivery of City-provided millings to the project site, grading of newly installed base, heating and compacting millings, prime and tack coat application, compaction, testing and all incidental items required to complete this pay item.

Remove & Reset Granite Curbing (ITEM A-R-4)

Payment for granite curb removal and resetting will be paid for at the Contract Unit Price per linear foot of curb reset and shall include as necessary equipment, labor, and materials required to complete this pay item. Payment for curb shall include, but not limited to, the following: pre-construction elevation measurements, removal of existing curbing, temporary storage of curbing, protection of curbing, foundation preparation, layout of new curbing, dewatering, preparation of base, compaction, testing, and all other incidental items required to successfully complete this pay item.

Sodding (ITEM A-R-5)

Payment for sod restoration (match existing) will include furnishing all equipment, labor and materials to replace sod damaged or removed during construction activities, including rolling sod, erosion protection, pinning/staking anchoring on slopes and other areas until sod is established and watering until final acceptance by the City. Sod installation shall be accordance with the specifications. The Contractor shall only receive compensation for sod placed within the project area. Payment will be per square foot of sod replaced and shall include all other incidental items required to successfully complete this pay item, including watering.

Concrete Driveway Restoration (ITEM A-R-6)

Payment for concrete driveways of the thickness specified will be paid for at the Contract Unit Price per square foot, based on field measurements. The price paid shall be payment in full for the removal and disposal of existing driveways, dewatering, grading, formwork, reinforcement, curing the concrete, providing protection against rain and cold weather, removing forms,

compaction, furnishing and placement of all driveway materials, transportation, equipment, labor, jointing, reinforcement, finishing, material testing and all other incidentals necessary to complete this item.

Unsuitable Material Removal & Replacement (ITEM A-M-1)

Payment for the work involved under this Pay Item shall be paid for on a per cubic yard price, which payment will be full compensation for all labor, materials, fittings, appurtenances, and equipment necessary to install the work elements which include the following: all testing to determine quality of material proposed to be removed, coordination with City officials, removal and disposal of unsuitable material, replacement of unsuitable material with suitable material (FDOT No. 57 stone or other approved material), compaction of suitable material, compaction testing (if applicable) and grading, as necessary, to restore all surficial drainage features.

This pay item shall only be used when unsuitable material is found within the limits depicted on the plan detail. Unsuitable material found in all other locations shall be removed, disposed of and replaced with suitable material at the Contractor's expense. Written authorization shall be provided by the City prior to utilization of this pay item.

Roadway Reconstruction (ITEM ALT-1)

Payment for full roadway reconstruction shall be paid for at the Contract Unit Price per linear foot of roadway reconstructed, which price will be full compensation for pre-construction survey, coordination with design engineer, the demolition of the roadway's stabilized subgrade, base (including brick), wearing surface and adjacent parkway areas (including sidewalks, driveways, etc.), excavation, furnishing and placing clean fill material, furnishing and placing new crushed concrete base (12"), and grading of the parkway areas (and private property where needed), as necessary, to facilitate positive drainage towards the roadway, curb construction (both sides of roadway) along limits of roadway reconstruction limits to radius terminus at intersections, driveway replacement (material in-kind), resetting of removed features and other incidentals. Price paid shall be payment in full for all work specified for the removal and disposal of the existing roadway materials, furnishing, hauling, fill material, dewatering, placing, compacting, grading, testing, the crushed concrete base and the asphaltic concrete surface course, tack coats, prime coats including all labor, materials, equipment and all other incidentals required to complete this item.

Measurement for roadway reconstruction will be determined by field measurements not to exceed the length identified in the Bid Schedule.

No direct payment will be made for removal of existing roadways (and clearing and grubbing where existing roadway will be grassed parkway) and other associated demolition required to perform the work. Payment for removal of roadways shall be included in the cost of full roadway reconstruction.

End of Section