October 2, 2020

CITY OF MERCED
DEPARTMENT OF PUBLIC WORKS (ENGINEERING)
678 W. 18th Street, Merced, CA 95340

ADDENDUM NO. 1

To **ALL PROSPECTIVE BIDDERS**
Under Specifications for the Construction of the

R STREET REHABILITATION LOUGHBOROUGH DRIVE TO BUENA VISTA DRIVE
PROJECT NUMBER 119003

For which bids are to be received by the City of Merced Purchasing Agent, at the Purchasing Conference Room, at 2525 "O" St., Merced, CA 95340, until 2:00 PM on Thursday, October 8, 2020.

The following revisions to the specifications and plans shall be made:

Item 1: **SPECIFICATIONS: – Bid Schedule, Pages 13 and 25 – Bidder shall use attached Bid Schedule "Revised per Addendum No. 1" and submit it at the Bid Opening.**

Bid Item No. 35 "Replace Existing 10" Sewer Line" has been added to the Bid Sheet. This Bid Item shall also include the cost of "Reconstruct Sewer Manhole Concrete Collar" as shown on sheet C3

Item 2: **SPECIFICATIONS: - Section 10-1.28 SANITARY SEWER BYPASS PUMPING**

This section was added to clarify how to bypass the sewer flows while removing and replacing the existing 10" sewer line referenced in Item 1 above.

Item 3: **SPECIFICATIONS: - Section 10-1.29 INSTALL 10" SANITARY SEWER SDR-26 SEWER MAIN.**

This section was added to identify the pipe and fittings classification required for the 10" sewer line shown on Sheet C3.

Item 4: **PLANS: - Sheet C3 states "Existing Sewer Force main to be abandoned".** This note is incorrect and should be disregarded.

Sergio Carrera, P.E.

ADDENDUM NO. 1

R STREET REHABILITATION LOUGHBOROUGH DRIVE TO BUENA VISTA DRIVE

PROJECT NUMBER 119003

Name of Bidder or Firm: _____

THIS ADDENDUM MUST BE SIGNED AND RETURNED WITH BID PROPOSAL.

ADDENDUM NO. 1 has been received and incorporated into the bid proposal.

Received By: _____

Date :_____ Planholder : _____

NOTE: RECEIPT OF THIS ADDENDUM MUST ALSO BE ACKNOWLEDGED IN THE CONTRACTOR'S BID PROPOSAL

CITY OF MERCED
PROJECT NUMBER 119003
R STREET REHABILITATION LOUGHBOROUGH DR. TO BUENA VISTA DR.

BID SCHEDULE:

ITEM NO.	ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
1	Permits, Bonds, Licenses & Insurance	LS	1	$.	$.
2	Public Convenience and Safety	LS	1	$.	$.
3	Project Identification Sign	EA	2	$.	$.
4	Surveying Services	LS	1	$.	$.
5	Monumentation	LS	1	$.	$.
6	Portable Changeable Message Signs	EA	4	$.	$.
7	Existing Highway Facilities	LS	1	$.	$.
8	Water Pollution Control	LS	1	$.	$.
9	Full Depth Reclamation-Cement	SF	90,405	$.	$.
10	Street Sweeping	LS	1	$.	$.
11	Asphalt Concrete	TN	2,238	$.	$.
12	Remove Concrete Sidewalk/Driveway	SF	8,869	$.	$.
13	Remove Concrete Curb and Gutter	LF	590	$.	$.
14	Remove Concrete Valley Gutter	SF	770	$.	$.
15	Concrete Commercial Driveway	SF	1,265	$.	$.
16	Concrete Curb and Gutter	LF	590	$.	$.
17	Concrete Sidewalk	SF	7,122	$.	$.
18	Concrete Paving at Sewer Pump Sta.	SF	306	$.	$.
19	Concrete Turnout	SF	577	$.	$.
20	ADA Access Ramp	EA	4	$.	$.
21	Relocate Post-Top Traffic Signal	EA	1	$.	$.
22	Traffic Signal Detector Loops	LS	1	$.	$.
23	Traffic Stripes and Pavement Markings	LS	1	$.	$.
24	Dig-Out Ex. Pea Gravel Backfill	LS	1	$.	$.
25	Pea Gravel Backfill w/Filter Fabric	LS	1	$.	$.
26	Remove Catch Basin	EA	2	$.	$.
27	Remove Storm Drain Manhole	EA	1	$.	$.
28	Remove 18" Storm Drain	LF	14	$.	$.
29	Install 18" Storm Drain	LF	177	$.	$.
30	Install Type "C" Catch Basin	EA	4	$.	$.
31	Connect to Existing Storm Drain Manhole	EA	1	$.	$.
32	Connect to Existing 18" Storm Drain	EA	2	$.	$.
33	12" Water Under-Crossing	LF	40	$.	$.
34	Restoration	LS	1	$.	$.
35	Replace Ex. 10" Sewer Line	LF	98	$.	$

TOTAL BID ITEMS 1 THROUGH 35: $_____

_____

Name of Bidder or Firm

10-1.28 SANITARY SEWER BYPASS PUMPING

The Contractor shall provide a sewer pump bypass plan to the City Engineer for approval, prior to the start of work. The Contractor shall provide for the flow of the sewage around the section of sewer lines designated for replacement. The bypass shall be made by plugging the line at an existing upstream manhole, or other approved access point, and pumping or directing the flow to a downstream manhole or adjacent sanitary sewer system.

While bypass pumping is being performed, the sewer bypass system shall always be monitored and maintained by the Contractor. The Contractor will provide names, contact information, and schedules of all individuals who will be monitoring the sewer bypass system.

All piping, joints, and accessories must be designed to withstand at least the maximum by-pass system pressure. The bypassing pipelines will not be flexible hose type unless approved by the City. During by-pass pumping, no sewage will be leaked, dumped, or spilled in or onto any area outside of the existing sanitary sewer system.

The Contractor shall provide adequate pumping equipment and force mains in order to maintain reliable sanitary sewer service in all sanitary sewer lines involved. The Contractor must have backup pumps and force mains on the job site in case of equipment failure. Under no circumstances will the flow be interrupted or stopped such that damage is done to either private or public property or sewage flows or overflows into the storm sewer or natural waterway. When bypass pumping operations are complete, all piping must be drained into the sanitary sewer prior to disassembly.

If sewage back up or spills occur, and enter buildings or property, the contractor shall be responsible for cleanup, repairs, property damage costs, fines and claims. The Contractor shall be responsible for continuity of sanitary sewer service to any facility connected to the section of sewer during the execution of the work.

Mitigation of noise generated by the bypass system must be addressed by the Contractor. All pumps, primary and backup, will be at a minimum by sound-attenuated and insulated to maintain 60 decibels at 50-feet or better. Placement and location of all pumps shall be placed in such a way to minimize the noise level to the greatest extent possible. Pump placement details and support appurtenances must be detailed in the bypass plan submitted by the Contractor.

The contract lump sum price paid for 10-1.28 "Sanitary Sewer Bypass Pumping" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in street sweeping, including disposal of collected material, as shown on the plans, as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

10-1.29 INSTALL 10" SANITARY SEWER SDR-26 SEWER MAIN

Polyvinyl chloride (PVC) pipe and fittings of 10-inch diameter for mains and 4-inch and 6-inch for services conforming ASTM D3034-81 may be used under this standard with installation conforming to ASTM recommended practice D2321; ASTM D3034-81 and D2321 are subject to City Standards for trenching and backfill and the modifications below:

1. Elastomeric gasket joints are required (ASTM F477).
2. A minimum SDR value of 26 is required.
3. The sewer main shall be shown to conform to specifications by a mandrel test, after subgrade and base compaction, and before streets are paved.
4. Maximum allowable deflections for installed sewer main pipe is 5 percent of average inside diameter as follows:

Nominal	SDR-26 Average	Minimum Mandrel Diameter
8-inch	7.891	7.496
10-inch	9.864	9.371
12-inch	11.737	11.15
15-inch	14.374	13.655

5. The contractor shall take the necessary precautions required to prevent excavated or other foreign material from getting into the pipe during the laying operation. At all times, when laying operations are not in progress, at the close of the day's work, or whenever the workmen are absent from the job, close and block the open end of the last section of pipe placed to prevent entry of foreign material or creep of the gasketed joints.
6. Stubouts from manholes and for future connection by others shall be plugged or closed off with temporary plugs.
7. The contractor shall take all precautions necessary to prevent the "uplift" or floating of the line prior to the completion of the backfilling operation.
8. A standard pipe joint shall be located no more than 1.5 feet from the outside edge of the structure or manhole on each pipe connection to a structure or manhole.
9. PVC pipe is only allowed where sewer will carry flow from residential developments. Neither PVC pipe, nor any other flexible pipe accepted by City for particular applications, shall be utilized in horizontal and/or vertical curve sections. These types of pipe are only allowed where entire length, between two manholes, is straight.
10. Sewer mains for industrial and commercial development shall be VCP or cement lined, epoxy coated, DIP.

Payment for Item 10-1.29, "Install 10" Sanitary Sewer SDR 26 Sewer Main," shall be at the contract unit price as set forth in the proposal and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.