

CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

FOR

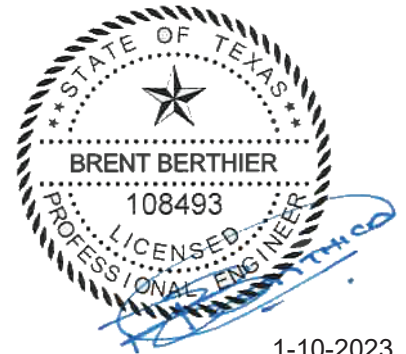
CITYWIDE SANITARY SEWER INFLOW & INFILTRATION REDUCTION PROJECT

**HUD MITIGATION COMPETITION (HMID)
CDBG-MIT CONTRACT NO. 22-083-003-D208
LA MARQUE, TEXAS**



ADICO PROJECT NO. 20100-17

JANUARY 2023



TBPE FIRM NO. 16423
2114 El Dorado Blvd., Suite 400
Friendswood, TX 77546
(832) 895-1093

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Technical Specifications

<u>Document</u>	<u>Title</u>	<u>No. Of Pages</u>
DIVISION 1 - GENERAL REQUIREMENTS		
01010	Summary of Work	1
01045	Cutting and Patching	3
01090	Reference Specifications	1
01100	Storm Water Management	1
01300	Submittals	2
01310	Construction Schedules	2
01340	Shop Drawings, Product Data and Samples	4
01370	Schedule of Values	2
01410	Testing Laboratory Services	2
01420	Inspection Services	1
01500	Temporary Facilities & Controls	2
01570	Traffic Control and Regulation	3
01578	Control of Ground Water & Surface Water	8
01600	Materials & Equipment	5
01700	Contract Closeout	3
01710	Cleaning & Adjusting	3
01720	Project Record Documents	2
01740	Site Restoration	4
01782	Operations & Maintenance Data	1
DIVISION 2 - SITE WORK		
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02105	Erosion Control	5
02110	Demolition	3
02160	Trench Safety Systems	3
02200	Earthwork	4
02201	Stripping and Fill	4
02235	Waste Material Disposal	2
02252	Cement Stabilized Sand	3
02253	Concrete Joints	4
02532	Curb, Curb and Gutter, and Headers	3
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DIVISION 3 - CONCRETE		
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03200	Concrete Reinforcement	4
03310	Portland Cement Concrete	17
CITY OF HOUSTON SPECIFICATIONS, REFERENCES, AND SPECIAL PROVISIONS		
02086	Adjusting Manholes, Inlets, and Valve Boxes to Grade	3
02088	Precast Polymer Concrete Manholes	11
02090	Frames, Crates, Rings, and Covers	4

02221	Removing Existing Pavements and Structures	4
02222	Abandonment of Sewers	8
02317	Excavation and Backfill for Utilities	17
02320	Utility Backfill Materials	11
02321	Cement Stabilized Sand	8
02501	Ductile Iron Pipe and Fittings	9
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02531	Gravity Sanitary Sewers	12
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02550	Slipping Sanitary Sewers	14
02553	Point Repairs and Obstruction and Removals	9
02555	Manhole Rehabilitation	13
02558	Cleaning and Television Inspection	20
02571	Pipe Bursting/Crushing Sanitary Sewers	12
02921	Hydro Mulch Seeding	4
02922	Sodding	5
03315	Concrete for Utility Construction	18
04061	Mortar	5
09901	Protective Coatings	24

The work covered by this contract is to be constructed in accordance with the specifications listed above. All City of La Marque specifications shall apply as if fully repeated and bound herein. Where conflicts between specifications occur, the most restrictive shall govern.

ITEM 1 City of La Marque "Engineering Design Criteria Manual" (dated December 7, 2018, with all Addenda and Amendments).

ITEM 2 Galveston County Engineering Department's "Rules, Regulations and Requirements Relating to the Approval and Acceptance of Improvements in Subdivisions or Resubdivisions" (with all Addenda and Amendments).

Note: Bold specification sections are included in the "City of Houston Standard Specifications for Wastewater Collections Systems, Water Lines, Storm Drainage, and Street Paving" dated 2022 and are incorporated herein by reference as if copied verbatim including any supplementary specification or amendments thereto and related specifications referenced therein unless indicated otherwise in the Drawings or Specifications.

Italicized specification sections are included in the "Harris County Flood Control Standard Specification Book" dated February 2000 and are incorporated herein by reference as if copied verbatim including any supplementary specification or amendments thereto and related specifications referenced therein unless indicated otherwise in the Drawings or Specifications.

Advertisement and Invitation to Bid

The City of La Marque will receive bids for the Citywide Manhole Rehabilitation Competition until 2:00 pm on Wednesday, March 01, 2023 at City of La Marque City Hall, 1111 Bayou Road, La Marque, TX 77568. The bids will be publicly opened and read aloud at 2:15 pm on Wednesday, March 01, 2023 at City of La Marque City Hall, 1111 Bayou Road, La Marque, TX 77568.

Bids are invited for several items and quantities of work as follows:

1. Approximately 420 LF of 6-inch sanitary sewer rehabilitation by Cured In Place Piping (CIPP).
2. Approximately 529 LF of 8-inch sanitary sewer rehabilitation by Cured In Place Piping (CIPP).
3. Approximately 3,979 LF of 15-inch sanitary sewer rehabilitation by Cured In Place Piping (CIPP).
4. Approximately 3,513 LF of 18-inch sanitary sewer rehabilitation by Cured In Place Piping (CIPP).
5. Approximately 17,909 LF of 24-inch sanitary sewer rehabilitation by Cured In Place Piping (CIPP).
6. Rehabilitation of approximately 682 sanitary sewer manholes in various locations within the City.

Bid/Contract Documents, including Drawings and Technical Specifications are on file at City of La Marque, City Hall, 1111 Bayou Road, La Marque, TX 77568.

Copies of the Bid/Contract Documents may be obtained by depositing \$100 with the Engineer, Adico LLC for each set of documents obtained. The deposit will be refunded if the documents and drawings are returned in good condition within 10 days following the bid opening.

A bid bond in the amount of 5 percent of the bid issued by an acceptable surety shall be submitted with each bid [for those contracts that exceed \$100,000]. A certified check or bank draft payable to the City of La Marque or negotiable U.S. Government Bonds (as par value) may be submitted in lieu of the Bid Bond.

Attention is called to the fact that not less than, the federally determined prevailing (Davis-Bacon and Related Acts) wage rate, as issued by the Texas Department of Agriculture Office of Rural Affairs and contained in the contract documents, must be paid on this project. In addition, the successful bidder must ensure that employees and applicants for employment are not discriminated against because of race, color, religion, sex, sexual identity, gender identity, or national origin.

The City of La Marque reserves the right to reject any or all bids or to waive any informalities in the bidding.

Bids may be held by City of La Marque for a period not to exceed 60 days from the date of the bid opening for the purpose of reviewing the bids and investigating the bidder's qualifications prior to the contract award.

City of La Marque (Contracting officer), (title) (date)

All contractors/subcontractors that are debarred, suspended or otherwise excluded from or ineligible for participation on federal assistance programs may not undertake any activity in part or in full under this project.

Instruction to Bidders for Construction

1. Use of Separate Bid Forms

These contract documents include a complete set of bid and contract forms which are for the convenience of the bidders and are not to be detached from the contract document, completed or executed. Separate bid forms are provided for your use.

2. Interpretations or Addenda

No oral interpretations will be made to any bidder. Each request for clarification shall be made in writing to the Grant Recipient or engineer no less than seven (7) days prior to the bid opening. Each interpretation made will be in the form of an Addendum to the contract documents and will be distributed to all parties holding contract documents no less than seven (7) days prior to the bid opening. It is, however, the bidder's responsibility to make inquiry as to any addenda issued. All such addenda shall become part of the contract documents and all bidders shall be bound by such addenda, whether or not received by the bidders.

If an addendum to the bid package is necessary, it must be distributed to each potential bidder. The distribution of an addendum shall be verified either by statements of receipt or registered/certified mail receipts, which shall be included in the public works construction file. The addendum shall allow adequate time for consideration in bid preparation (usually at least one week). If adequate time is not available, the bid opening date must be extended and the Grant Recipient must republish the invitation for bids containing the place, time, and date for the new bid opening. Note that any change to the original bid opening date will require republication of the invitation for bids at least once in a locally published newspaper. The republished notice will include the place, time and date for the new bid opening and must be published at least seven days prior to the new bid opening date.

3. Inspection of Site

Each bidder should visit the site of the proposed work and should become acquainted with the existing conditions and facilities, the difficulties and restrictions pertaining to the performance of the contract. The bidder should thoroughly examine and become familiar with the drawings, technical specifications and all other contract documents. The contractor by the execution of the contract shall in no way be relieved of any obligation under it due to failure to receive or examine any form or legal document or to visit the site or the conditions existing at the site. The City/ County will be justified in rejecting any claim based on lack of inspection of the site prior to the bid.

4. Alternate bid items

No alternate bids or bid items will be considered unless they are specifically requested by the technical specifications.

5. Bids

- a. All bids must be submitted on the forms provided and are subject to all requirements of the Contract Documents, including the Drawings.
- b. All bids must be regular in every respect and no interlineation, excisions or special conditions may be made or included by the bidder.
- c. Bid documents, including but not limited to the bid, the bid bond(s), the contractor's certifications, local opportunity plan, and the statement of the bidder's qualifications, shall be sealed in an envelope and clearly labeled with the words "Bid Documents", the project number, name of bidder and the date and time of bid opening.
- d. The City / County may consider as irregular any bid on which there is an alteration of or departure from the bid form and, at its option, may reject any irregular bid.
- e. If a contract is awarded, it will be awarded to a responsible bidder on the basis of the lowest/best bid and the selected alternate bid items, if any. The contract will require the completion of the work in accordance with the contract documents.

6. Bid Modifications Prior to Bid Opening

- a. Any bidder may modify its bid by submitting a modification or supplemental bid at any time prior to the scheduled closing time for receipt of bids, provided such modification or supplemental bid is received by the locality prior to the closing time. The modification or supplemental bid should not reveal the original bid price but should provide only the addition, subtractions or other modifications to the original bid so that the final prices or terms will not be known by the locality until the sealed bid is open.

7. Bid Bond

- a. A bid bond in the amount of 5% of the bid issued by an acceptable surety shall be submitted with each bid [for contracts greater than \$100,000]. A certified check or bank draft payable to the locality or negotiable U.S. Government Bonds (as par value) may be submitted in lieu of the Bid Bond.
- b. The bid bond or its comparable will be returned to the bidder as soon as practical after the opening of the bids.

8. Statement of Bidders Qualifications

Each bidder shall submit on the form furnished for that purpose a statement of the bidder's qualifications. The Grant Recipient shall have the right to take such steps as it deems necessary to determine the ability of the bidder to perform its obligations under the contract, and the bidder shall furnish the Grant Recipient all such information and data for this purpose as it may request. The right is reserved to reject any bid where an investigation of the available data does not satisfy the Grant Recipient that the bidder is qualified to carry out properly the terms of the contract.

9. Unit Price

The unit price for each of the several items in the bid shall include its pro rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. Any bid not conforming to this requirement may be rejected as informal. Special attention is drawn to this condition, as the unit prices will be used to determine the amount of any change orders resulting from an increase or decrease in quantities.

10. Corrections

Erasures or other corrections in the bid must be noted over the signature of the bidder.

11. Time for Receiving Bids

Bids received prior to the advertised hour of opening shall be kept securely sealed. The officer appointed to open the bids shall decide when the specified time has arrived and no bid received thereafter will be considered; except that when a bid arrives by mail after the time fixed for opening, but before the reading of all other bids is completed, and it is shown to the satisfaction of the Grant Recipient that the late arrival of the bid was solely due to delay in the mail for which the bidder was not responsible, such bid will be received and considered.

12. Opening of Bids

The City/County shall, at the time and place fixed for the opening of bids, open each bid and publicly read it aloud, irrespective of any irregularities therein. Bidders and other interested individuals may be present.

13. Withdrawal of Bids

Bidder may withdraw the bid before the time fixed for the opening of bids, by communicating its purpose in writing to the Grant Recipient. Upon receipt of such notice, the unopened bid will be returned to the bidder. The bid guaranty of any bidder withdrawing his bid will be returned promptly.

14. Award of Contract/Rejection of Bids

- a. The contract will be awarded to the responsive, responsible Bidder submitting the lowest/best bid. The bidder selected will be notified at the earliest possible date. The locality reserves the right to

reject any or all bids and to waive any informality in bids received where such rejection or waiver is in its interest.

- b. The Grant Recipient reserves the right to consider as unqualified to do the work any bidder who does not habitually perform with his own forces the major portions of the work involved in construction of the improvements embraced in this contract.

15. Execution of Agreement/Performance and Payment Bonds

- a. Performance Bonds - Requires all prime contractors which enter into a formal contract in excess of \$100,000 with the State, a county, or a municipality; a department, board, or agency of the state, a county, or a municipality; and a school district or a subdivision thereof, to obtain a Performance Bond in the amount of the contract before commencing with work
- b. Payment Bonds- Requires all prime contractors which enter into a formal contract with the State, a county, or a municipality; a department, board, or agency of the state, a county, or a municipality; and a school district or a subdivision thereof, to furnish to the governmental entity a payment bond in the amount of the contract. The payment bond must be filed within 30 days from the date of the Notice of Award:
 - o Municipalities: If the contract is in excess of \$50,000, a payment bond is required.
 - o Counties: If the contract is in excess of \$25,000, a payment bond is required.
- c. The failure of the successful bidder to execute the agreement and supply the required bonds within thirty (30) days from the date of the notice of award-or within such extended period as the locality may grant, shall constitute a default and the locality may, at its option, either award the contract to the next lowest responsible bidder, or re-advertise for bids. In either case, the locality may charge against the bidder the difference between the amount of the bid, and the amount for which a contract is subsequently executed irrespective of whether this difference exceeds the amount of the bid bond. If a more favorable bid is received through re-advertisement, the defaulting bidder shall have no claim against the locality for a refund.

16. Wages and Salaries

Attention is particularly called to the requirement of paying not less than the prevailing Davis Bacon Related Acts (DBRA) wage rates specified in the Contract Documents. These rates are minimums to be paid during the life of the contract. It is therefore the responsibility of the Bidder to inform themselves as to local labor conditions.

17. Equal Employment Opportunity

Attention is called to the requirements for ensuring that employees and applicants for employment are not discriminated against because of race, color, religion, sex, sexual identity, gender identity, or national origin, and other civil rights requirements.

18. Certification Regarding Lobbying –

Contractors who apply or bid for an award of \$100,000 or more shall provide the required certification that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining an Federal contract, grant or any other award covered by 31 USC § 1352.

BID PROPOSAL
CITYWIDE SANITARY SEWER INFLOW & INFILTRATION REDUCTION PROJECT
ADICO PROJECT NO. 20100-17
HUD MITIGATION COMPETITION (HMID)
SDBG-MIT CONTRACT NO. 22-083-003-D208

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
<u>SECTION A - GENERAL</u>					
1.	Mobilization/Payment/ Performance Bonds/Permits & Fees	LS	1	\$ _____	\$ _____
SUBTOTAL SECTION A - GENERAL					\$ _____
<u>SECTION B - DEMOLITION</u>					
2.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform demolition of all existing designated manholes to be rehabilitated, including disposal of all material off site as shown on plans and according to specifications. complete in place.	LS	1.00	\$ _____	\$ _____
SUBTOTAL SECTION B - DEMOLITION					\$ _____
<u>SECTION C - CIPP SECTION 1</u>					
3.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 24-inch (24") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	9,048	\$ _____	\$ _____
4.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 8-inch (8") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	529	\$ _____	\$ _____
5.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 6-inch (6") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	420	\$ _____	\$ _____
SUBTOTAL SECTION C - CIPP SECTION 1					\$ _____
<u>SECTION D - CIPP SECTION 2</u>					
6.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 15-inch (15") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	3,568	\$ _____	\$ _____
7.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 24-inch (24") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	3,778	\$ _____	\$ _____
SUBTOTAL SECTION D - CIPP SECTION 2					\$ _____
<u>SECTION E - CIPP SECTION 3</u>					
8.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 15-inch (15") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	411	\$ _____	\$ _____

Bid Sheet Must Be Initialed By Same
 Person Who Signs Proposal
 Initial _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
9.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 18-inch (18") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	3513	\$ _____	\$ _____
10.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for repair of existing 24-inch (24") sanitary sewer by Cured In Place Piping (CIPP) method as shown on plans and according to specifications, complete in place. Includes restoration of service laterals.	LF	5,083	\$ _____	\$ _____
SUBTOTAL SECTION E - CIPP SECTION 3					\$ _____
<u>SECTION F - MANHOLE REHABILITATION AREA 3</u>					
11.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	261	\$ _____	\$ _____
12.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	73	\$ _____	\$ _____
13.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	6	\$ _____	\$ _____
14.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	10	\$ _____	\$ _____
15.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	40	\$ _____	\$ _____
16.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	95	\$ _____	\$ _____
SUBTOTAL SECTION F - MANHOLE REHABILITATION AREA 3					\$ _____
<u>SECTION G - MANHOLE REHABILITATION AREA 6</u>					
17.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	5	\$ _____	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
18.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	64	\$ _____	\$ _____
19.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	7	\$ _____	\$ _____
20.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	18	\$ _____	\$ _____
21.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	70	\$ _____	\$ _____
22.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	173	\$ _____	\$ _____
SUBTOTAL SECTION G - MANHOLE REHABILITATION AREA 6					\$ _____

SECTION H - MANHOLE REHABILITATION AREA 7

23.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	123	\$ _____	\$ _____
24.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	49	\$ _____	\$ _____
25.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	19	\$ _____	\$ _____
26.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	28	\$ _____	\$ _____
27.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	108	\$ _____	\$ _____

SUBTOTAL SECTION H - MANHOLE REHABILITATION AREA 7 \$ _____

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 Initial _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
SECTION I - MANHOLE REHABILITATION AREA 8					
28.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	205	\$ _____	\$ _____
29.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	66	\$ _____	\$ _____
30.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	28	\$ _____	\$ _____
31.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	25	\$ _____	\$ _____
32.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	107	\$ _____	\$ _____
SUBTOTAL SECTION I - MANHOLE REHABILITATION AREA 8					\$ _____
SECTION J - MANHOLE REHABILITATION AREA 9					
33.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	226	\$ _____	\$ _____
34.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes NOT Located In Flood Plain)	EA	51	\$ _____	\$ _____
35.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	1	\$ _____	\$ _____
36.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	28	\$ _____	\$ _____
37.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	19	\$ _____	\$ _____

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BID PROPOSAL
CITYWIDE SANITARY SEWER INFLOW & INFILTRATION REDUCTION PROJECT
ADICO PROJECT NO. 20100-17
HUD MITIGATION COMPETITION (HMID)
SDBG-MIT CONTRACT NO. 22-083-003-D208

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
38.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	97	\$ _____	\$ _____
SUBTOTAL SECTION J - MANHOLE REHABILITATION AREA 9 \$ _____					
<u>SECTION K - MANHOLE REHABILITATION AREA 10</u>					
39.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	186	\$ _____	\$ _____
40.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	55	\$ _____	\$ _____
41.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	11	\$ _____	\$ _____
42.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	26	\$ _____	\$ _____
43.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	116	\$ _____	\$ _____
SUBTOTAL SECTION K - MANHOLE REHABILITATION AREA 10 \$ _____					
<u>SECTION L - MANHOLE REHABILITATION AREA 11</u>					
44.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	228	\$ _____	\$ _____
45.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	42	\$ _____	\$ _____
46.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	20	\$ _____	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
47.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	19	\$ _____	\$ _____
48.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	17	\$ _____	\$ _____
49.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	101	\$ _____	\$ _____
SUBTOTAL SECTION L - MANHOLE REHABILITATION AREA 11					\$ _____
<u>SECTION M - MANHOLE REHABILITATION AREA 12</u>					
50.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	277	\$ _____	\$ _____
51.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	46	\$ _____	\$ _____
52.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	29	\$ _____	\$ _____
53.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	19	\$ _____	\$ _____
54.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	37	\$ _____	\$ _____
55.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	191	\$ _____	\$ _____
SUBTOTAL SECTION M - MANHOLE REHABILITATION AREA 12					\$ _____
<u>SECTION N - MISCELLANEOUS ITEMS</u>					
56.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to provide traffic control according to specifications, complete in place. Includes removal after completion of work.	LS	1	\$ _____	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
57.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to hydromulch areas disturbed by construction activities according to specifications, complete in place. Includes removal after completion of work.	AC	2.5	\$ _____	\$ _____
SUBTOTAL SECTION N- MISCELLANEOUS ITEMS					\$ _____

SECTION O - SUPPLEMENTAL ITEMS

58.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install 6" sanitary sewer by open cut construction according to specifications, complete in place.	LF	200	\$ _____	\$ _____
59.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install 8" sanitary sewer by open cut construction according to specifications, complete in place.	LF	200	\$ _____	\$ _____
60.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install 15" sanitary sewer by open cut construction according to specifications, complete in place.	LF	1500	\$ _____	\$ _____
61.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install 18" sanitary sewer by open cut construction according to specifications, complete in place.	LF	1500	\$ _____	\$ _____
62.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install 24" sanitary sewer by open cut construction according to specifications, complete in place.	LF	2500	\$ _____	\$ _____
SUBTOTAL SECTION O - SUPPLEMENTAL ITEMS					\$ _____

SECTION P - EXTRA ITEMS

63.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	30	\$ _____ \$3500 Min.	\$ _____
64.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	500	\$ _____ \$100 Min.	\$ _____
65.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	30	\$ _____ \$1500 Min.	\$ _____
66.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for manhole lining/coating as shown on plans and according to specifications, complete in place.	VF	500	\$ _____ \$50 Min.	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
67.	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	10	\$ _____ \$500 Min.	\$ _____
SUBTOTAL SECTION P - EXTRA ITEMS					\$ _____
TOTAL BASE BID					\$ _____

ALTERNATE 1 - MANHOLE REHABILITATION AREA 1

A1.1	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	203	\$ _____	\$ _____
A1.2	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	34	\$ _____	\$ _____
A1.3	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	3	\$ _____	\$ _____
A1.4	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	12	\$ _____	\$ _____
A1.5	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	80	\$ _____	\$ _____
SUBTOTAL ALTERNATE 1 - MANHOLE REHABILITATION AREA 1					\$ _____

ALTERNATE 2 - MANHOLE REHABILITATION AREA 2

A2.1	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	153	\$ _____	\$ _____
A2.2	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	33	\$ _____	\$ _____
A2.3	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	2	\$ _____	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
A2.4	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	22	\$ _____	\$ _____
A2.5	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	133	\$ _____	\$ _____
SUBTOTAL ALTERNATE 2 MANHOLE REHABILITATION AREA 2					\$ _____
<u>ALTERNATE 3 - MANHOLE REHABILITATION AREA 4</u>					
A3.1	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	46	\$ _____	\$ _____
A3.2	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	52	\$ _____	\$ _____
A3.3	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	48	\$ _____	\$ _____
A3.4	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	123	\$ _____	\$ _____
SUBTOTAL ALTERNATE 3 - MANHOLE REHABILITATION AREA 4					\$ _____
<u>ALTERNATE 4 - MANHOLE REHABILITATION AREA 5</u>					
A4.1	Provide all supervision, labor, materials, tools, equipment, incidentals and related items for cementitious lining of manhole interior surface as shown on plans and according to specifications, complete in place.	VF	45	\$ _____	\$ _____
A4.2	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install manhole lid including inflow protector as shown on plans and according to specifications, complete in place. Includes reconstruction of cone and adjustment to grade as required. (Manholes Not Located In Flood Plain)	EA	14	\$ _____	\$ _____
A4.3	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to install sealed manhole lid including inflow protector and vent as shown on plans and according to specifications, complete in place. (Manholes Located In Flood Plain)	EA	40	\$ _____	\$ _____

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
A4.4	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to perform full depth saw cut, remove pavement and replace with 4' x 4' square reinforced concrete pavement for pavement rehabilitation as shown on plans and according to specifications, complete in place.	EA	19	\$ _____	\$ _____
A4.5	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (0'-8')	EA	49	\$ _____	\$ _____
A4.6	Provide all supervision, labor, materials, tools, equipment, incidentals and related items to replace manhole, includes interior surface liner, resilient pipe connector and inflow protector as shown on plans and according to specifications, complete in place. (Extra Depth greater than 8')	VF	167	\$ _____	\$ _____

SUBTOTAL ALTERNATE 4 - MANHOLE REHABILITATION AREA 5 \$ _____

ALTERNATE 5 - CONSHIELD MANHOLE PROTECTION

A5.1	ADD or DEDUCT to provide all supervision, labor, materials, tools, equipment, incidentals and related items for manhole lining with ConShield in lieu of Cementitious Liner as shown on plans and according to specifications, complete in place.	LS	1	\$ _____	\$ _____
A5.2	ADD or DEDUCT to provide all supervision, labor, materials, tools, equipment, incidentals and related items for precast Conshield Corrosion Resistant manholes in lieu of Concrete manhole lined with Cementitious Liner as shown on plans and according to specifications, complete in place.	LS	1	\$ _____	\$ _____

SUBTOTAL ALTERNATE 5 - CONSHIELD MANHOLE PROTECTION \$ _____