



GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building • 688 Route 15, Mangilao, Guam 96913 • Tel. (671) 300-6036

Invitation To Bid: IFB-06-ENG-2017
Construction of Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation
and Replacement
GWA Project No. S15-002-EPA

Addendum No.: 01

Date: May 26, 2017

All Qualified Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Failure to acknowledge receipt of this addendum shall be grounds for the bidder's disqualification and rejection of the bidder's proposal.

1. 00100 Invitation to Bid

The first paragraph shall be deleted in its entirety and replaced with the following:

The GUAM WATERWORKS AUTHORITY will receive sealed bids for the ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT; GWA Project No. S15-002-EPA. Bids will be accepted until **3:00 pm**, Chamorro Standard Time, **June 9, 2017**, at the Gloria B. Nelson Public Service Building, 688 Route 15, Mangilao, GU 96913 at which time and place all bids will be publicly opened and read aloud. The contract time for the project is 450 calendar days for the Base Bid portion of the work. All bids must be accompanied by a Bid Bond in the amount of fifteen percent (15%) of the total bid amount. Bid security may be in the form of a bid bond, certified check or cashier check made payable to Guam Waterworks Authority.

2. Pre-Bid Meeting Minutes – Introduction to Solicitation and Pre-Bid Meeting

Last date to submit Request for Information (RFI) is hereby extended until May 30, 2017.

3. Technical Specifications – Contractor shall use the specifications labeled as "Revision 2" and not "Revision 1", which both were inadvertently included on the thumb drives provided with the bid documents.

4. 00200 Instruction to Bidders - Article 12 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS, Section 12.03

B. Water or Steam Cured-in-Place Pipe or Ultraviolet (UV) Cured-in-Place Pipe (CIPP)

Has now been changed to read:

B. Water Cured-in-Place Pipe or Ultraviolet (UV) Cured-in-Place Pipe (CIPP)

5. 00410 Bid Form, ARTICLE 5 – BASIS OF BID

Bid Item No. 43 – Installation of cured-in-place (CIPP) liner in existing 24-inch sewer line, including wet out, preparation and other items as necessary to complete the work.

Has now been changed to read:

Bid Item No. 43 – Installation of cured-in-place (CIPP) **part**-liner in existing 24-inch sewer line, including wet out, preparation and other items as necessary to complete the work.


MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure:

Response No. 1 to RFI

MCB:gb


REFERENCE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
	on provided plans and specifications	
Questions from May 24, 2017		
	<p>1. RFI#01: I would like to request a Two (2) weeks time extension for the bid submission to have ample time on evaluating and reviewing the plans and specs. Also, requesting a price quote and or proposal from supplier and sub-con would take 2-3weeks time before receiving the quote.</p>	See Addendum No. 1
	<p>2. Please provide a time extension at least 1-week for RFI submission date this is to consider other concerns that may arise later while on the process of preparing estimates.</p>	See Addendum No. 1
	<p>3. Please clarify the MEC/ESS Clearance is not required for this bid project.</p>	There are no MEC/ESS clearance required prior to conducting any excavation. This does not eliminate the Contractor's responsibility for safety, in the event a UXO is discovered during excavations.

Bidders are also notified to visit GWA website: www.guamwaterworks.org to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.



 MIGUEL C. BORDALLO, P.E.
 General Manager

MCB;gb




GUAM WATERWORKS AUTHORITY

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
 GWA Project No. S15-002-EPA
 IFB-06-ENG-2017
 RFI Response No. 1 to Contractor Inquiries

This Addendum and/or Response to Request for Information (RFI) is issued to modify the previously issued bid documents and/or given for informational purposes and to the extent the responses below modify the bid documents, please treat them as an amendment to the Bid. The following responses are in response to RFIs received.

REFERENCE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
Questions from May 12, 2017		
	I would like to a 1 week time extension for the bid submission due to the fact that requesting a price quote from supplier would take 3-4 weeks time before the quote, Also consider our sub-con and vendors to have ample time on doing the quantity take-off and pricing.	See Addendum No. 1
	What is the project price range?	Base Bid (Basis of Award) to All-Inclusive, Owner's choice, \$6,000,000 to \$10,000,000.
Questions from May 22, 2017		
	<p>1. CIPP Lining:</p> <p>Reference the above subject the Scope Of Work for the CIPP (Cure-In-Place-Pipe) has three (3) systems of specifications as follows:</p> <p>a.) Section 33 01 30.72 – Water and</p>	<p>Contractors shall be required to conform to the technical specifications labeled as "Revision 2" included with the bid documents, which removed "Steam Cured-in-Place Pipe (CIPP) Lining".</p> <p>Both Water CIPP and Ultraviolet (UV) CIPP have been determined by GWA to be appropriate CIPP products and curing methods for this project. The Contractor shall select one of these curing methods and submit a bid using either Water</p>

REFERENCE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
	<p>Steam Cured-In-Place Pipe Lining b.) Section 33 01 30.73 – Ultraviolet (UV) Light Cured-In-Place Pipe Lining c.) Section 33 01 30.75 – Cured-In-Place Pipe (CIPP) Part-Liner</p> <p>To have all contractors/bidders for this project have one reference to price this CIPP work, please advise which one on the above three (3) systems will be used?</p> <p>2. Archeological Monitoring:</p> <p>The main work for this project is excavation and the location of this project is one of Guam's historical area. The project specifications does not include Archeological Monitoring, also the Bid Form provided does not have bid items for this. Please clarify if this project required Archeological Monitoring during excavation. If required please provide specifications for this scope of work and add line item for Archeological Monitoring on the Bid Form.</p>	<p>CIPP or UV CIPP. Specification 33 01 30.72 provides the requirements for Water Cured CIPP and Specification 33 01 03.73 provides the requirements for UV Cured CIPP.</p> <p>Section 33 01 30.75 specifies requirements for installing a part-liner prior to installation of CIPP where determined to be required by the contractor due to excessive infiltration or other reasons. Bid items for this work have been included in the bid form as Items 40, 41, 42 and 43. Inclusion of these items does not eliminate the need for the full length CIPP rehabilitation of the sewer line.</p>
	<p>Time Extension: _____ would like to request for bid submission time extension from June 1, 2017 to June 16, 2017 for a total of 2 weeks. As mentioned at Pre-Bid meeting there is none qualified local CIPP installer here on the island.</p> <p>We are soliciting proposals for qualified CIPP subcontractor from off island and still awaiting their comments/response</p>	<p>GWA has contracted HDR to provide Archeological Monitoring for this project. Contractor is advised to read Note 8 found on sheet G-003 and also Specification 01 30 00, Section 1.8, Item B for more information.</p> <p>See Addendum No. 1</p>

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BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority
Engineering Division, Room 202
Gloria B. Nelson Public Service Building
688 Route 15
Mangilao, Guam 96913

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with Buyer in the form included in the Bidding Documents to furnish the Goods and Special Services as specified or indicated in the Bidding Documents, for the prices and within the times indicated in this Bid, and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Buyer.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.	Addendum Date

B. Bidder has visited the Point of Destination and site where the Goods are to be installed or Special Services will be provided and become familiar with and is satisfied as to the observable local conditions that may affect cost, progress, or the furnishing of Goods and Special Services, if required to do so by the Bidding Documents, or if, in Bidder's judgment, any local condition may affect cost, progress, or the furnishing of Goods and Special Services.

- C. Bidder is familiar with and is satisfied as to all Laws and Regulations in effect as of the date of the Bid that may affect cost, progress, and the furnishing of Goods and Special Services.
- D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.
- E. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution (if any) thereof by Engineer is acceptable to Bidder.
- F. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for furnishing the Goods and Special Services for which this Bid is submitted.

ARTICLE 4 - BIDDER'S CERTIFICATIONS

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Buyer, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Buyer of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Buyer, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process.

ARTICLE 5 - BASIS OF BID

- 5.01 Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the following price(s):

Base Bid Description of Work:*Line A Work (SMH 1399Asan to Asan Pump Station)*

Work consists of replacement of 18-inch and 20-inch diameter asbestos cement pipe (ACP) gravity sewer lines with new 18-inch and 20-inch diameter polyvinyl chloride (PVC) sewer lines, respectively, reconnecting sewer laterals after new pipe installation is complete, removing and disposing of 18-inch and 20-inch diameter ACP, abandoning 12-inch PVC sewer lines, cleaning existing 14-inch, 16-inch, 18-inch, and 20-inch diameter gravity sewer lines and rehabilitating those lines with cured-in-place pipe (CIPP) liner, reinstating sewer laterals after CIPP rehabilitation is complete, rehabilitating manholes, and providing temporary bypassing and traffic control as necessary to complete the replacement and rehabilitation work.

Line B Work (SMH 13ASAN to SMH 350BHAGA)

Work consists of cleaning existing 16-inch and 24-inch diameter gravity sewer lines, cleaning one siphon consisting of two (2) - 18-inch barrels, rehabilitating approximately 16-inch and 24-inch diameter sewer lines with cured-in-place pipe (CIPP) liner, reinstating sewer laterals after CIPP rehabilitation is complete, reinstate sewer laterals after CIPP rehabilitation is complete, replacing sewer manhole concrete collars, and providing temporary bypassing and traffic control as necessary to complete the rehabilitation work.

Line C Work (SMH 398Asan to 355AAsan)

Work consists of abandoning an existing 12-inch ACP sewer line, installing a new 12-inch diameter polyvinyl chloride (PVC) sewer line, and providing temporary bypassing and traffic control as necessary to complete the work.

Item No.	Description	Unit	Unit Price	Base Bid	
				Qty	Bid Amount
1	Mobilization and Demobilization	Lump Sum	\$ _____	1	\$ _____
2	Unclassified Trench Excavation for Pipe Repair Work, including pavement demolition, shoring, or bracing, underpinning, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (0'-10' Depth)	Lin. Ft.	\$ _____	840	\$ _____
3	Unclassified Trench Excavation for Pipe Repair Work, including pavement demolition, shoring, or bracing, underpinning, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (10'-20' Depth)	Lin. Ft.	\$ _____	223	\$ _____
4	Dewatering and dewatering effluent disposal	Lump Sum	\$ _____	1	\$ _____

5	Removal and disposal of existing 12-inch diameter asbestos cement pipe, and all incidentals required to complete the work.	Lin. Ft.	\$ _____	840	\$ _____
6	Removal and disposal of existing 18-inch diameter asbestos cement pipe, and all incidentals required to complete the work.	Lin. Ft.	\$ _____	157	\$ _____
7	Removal and disposal of existing 20-inch diameter asbestos cement pipe, and all incidentals required to complete the work.	Lin. Ft.	\$ _____	66	\$ _____
8	Abandonment of 12-inch diameter PVC pipe, and all incidentals required to complete the work.	Lin. Ft.	\$ _____	310	\$ _____
9	Abandonment of sewer manhole and all incidentals required to complete the work.	Ea.	\$ _____	2	\$ _____
10	Crushed rock bedding including compaction and woven geotextile fabric for 16-inch PVC sewer pipe, in place complete.	Lin. Ft.	\$ _____	840	\$ _____
11	Crushed rock bedding including compaction and woven geotextile fabric for 18-inch PVC sewer pipe, in place complete.	Lin. Ft.	\$ _____	157	\$ _____
12	Crushed rock bedding including compaction and woven geotextile fabric for 20-inch PVC sewer pipe, in place complete.	Lin. Ft.	\$ _____	66	\$ _____
13	Pipe Repair; install new 12" PVC pipe (AWWA C-900, DR 25) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (10'-20' Depth)	Lin. Ft.	\$ _____	79	\$ _____
14	Pipe Repair; install new 16" PVC pipe (AWWA C-905, DR 25) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (0'-10' Depth)	Lin. Ft.	\$ _____	840	\$ _____
15	Pipe Repair; install new 18" PVC pipe (AWWA C-905, DR 18) by open trenching, including piping, fittings,	Lin. Ft.	\$ _____	157	\$ _____

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	testing, warning/identification tape, and all incidentals, in place complete. (10'-20' Depth)				
16	Pipe Repair; install new 20" PVC pipe (AWWA C-905, DR 18) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (10'-20' Depth)	Lin. Ft.	\$ _____	66	\$ _____
17	A.C. Pavement Resurfacing, including pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete.	Sq. Yds.	\$ _____	688	\$ _____
18	Sewer Line Cleaning of existing 14-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	1,441	\$ _____
19	Sewer Line Cleaning of existing 16-inch Asbestos Cement Pipe (ACP) and 16-inch Polyvinyl Chloride (PVC) pipe sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	2,133	\$ _____
20	Sewer Line Cleaning of existing 18-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	1,385	\$ _____
21	Sewer Line Cleaning of existing 20-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	35	\$ _____
22	Sewer Line Cleaning of existing 24-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	144	\$ _____
23	Sewer Line Cleaning of	Lump	\$ _____	1	\$ _____

	Inverted Siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends), including removal and disposal of debris, and all incidentals necessary to complete work.	Sum			
24	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 14" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,441	\$ _____
25	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 16" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,375	\$ _____
26	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 18" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,125	\$ _____
27	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 24" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	412	\$ _____
28	Closed-Circuit Television (CCTV) inspections for initial assessment of existing inverted siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends) and sewer manholes, including reports, documentation, and all incidentals necessary to complete the work.	Lin. Ft.	\$ _____	248	\$ _____
29	Closed-Circuit Television (CCTV) inspections for pre- and post-rehabilitation of existing 14" sewer line and sewer manholes, including	Lin. Ft.	\$ _____	2,882	\$ _____

	reports, documentation, and other items as necessary to complete the work.				
30	Closed-Circuit Television (CCTV) inspections for pre-and post-rehabilitation of existing 16" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	3,614	\$ _____
31	Closed-Circuit Television (CCTV) inspections for pre-and post-rehabilitation of existing 18" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	2,274	\$ _____
32	Closed-Circuit Television (CCTV) inspections for pre-and post-rehabilitation of existing 20" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	70	\$ _____
33	Closed-Circuit Television (CCTV) inspections for pre-and post-rehabilitation of existing 24" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	816	\$ _____
34	Closed-Circuit Television (CCTV) inspections for pre-and post-rehabilitation of existing inverted siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends) and sewer manholes, including reports, documentation, and all incidentals necessary to complete the work.	Lump Sum	\$ _____	1	\$ _____
35	Installation of cured-in-place pipe (CIPP) lining in existing 14-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the	Lin. Ft.	\$ _____	1,441	\$ _____

	work.				
36	Installation of cured-in-place pipe (CIPP) lining in existing 16-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,807	\$ _____
37	Installation of cured-in-place pipe (CIPP) lining in existing 18-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,137	\$ _____
38	Installation of cured-in-place pipe (CIPP) lining in existing 20-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	35	\$ _____
39	Installation of cured-in-place pipe (CIPP) lining in existing 24-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	408	\$ _____
40	Installation of cured-in-place pipe (CIPP) part-liner in existing 14-inch sewer line, including wet out, preparation and other items as necessary to complete the work.	Lin. Ft.	\$ _____	120	\$ _____
41	Installation of cured-in-place pipe (CIPP) part-liner in existing 16-inch sewer line, including wet out, preparation and other items as necessary to complete the work.	Lin. Ft.	\$ _____	180	\$ _____
42	Installation of cured-in-place pipe (CIPP) part-liner in	Lin. Ft.	\$ _____	120	\$ _____

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	existing 18-inch sewer line, including wet out, preparation and other items as necessary to complete the work.				
43	Installation of cured-in-place pipe (CIPP) part-liner in existing 24-inch sewer line, including wet out, preparation and other items as necessary to complete the work.	Lin. Ft.	\$ _____	60	\$ _____
44	Reinstatement of existing sewer laterals upon completion of CIPP lining installation, and all incidentals, in place complete.	Ea.	\$ _____	32	\$ _____
45	Rehabilitation of Sewer Manholes with epoxy coating, including cleaning of manhole, bench repair, surface preparation, cementitious underlayment, epoxy topcoat, testing, and other items as necessary to complete the work.	Vert. Ft.	\$ _____	18	\$ _____
46	Rehabilitation of Sewer Manholes; patching surface defects and other items as necessary to complete the work.	Ea.	\$ _____	4	\$ _____
47	Cast iron manhole frame and cover, 25-inch diameter, including grade adjustment rings where required, and other items as necessary to complete the work.	Ea.	\$ _____	20	\$ _____
48	Cast iron manhole frame and cover, 30-inch diameter, including grade adjustment rings where required, and other items as necessary to complete the work.	Ea.	\$ _____	1	\$ _____
49	Sewer manhole concrete collar, including reinforcing steel, borrow material where required, and other items as necessary to complete the work.	Ea.	\$ _____	15	\$ _____
50	Install new Plain Precast Concrete Manhole, including plugging or bypass pumping, excavation and backfill, crushed rock base, reinforced concrete base, precast concrete riser(s) and cone, flexible pipe seals and	Ea.	\$ _____	1	\$ _____

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	connectors, grade adjustment ring(s), Type "SA" frame and cover, channelized invert, testing, incidentals, and all necessary labor, materials, and equipment, in place complete.				
51	Sewer Flow Control, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Lump Sum	\$ _____	1	\$ _____
52	Traffic Control Work, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ _____	1	\$ _____
53	Point Repair for 14-inch diameter PVC sewer pipe, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (4 LF pipe section or less, per line segment) (0'-10' Depth)	Ea.	\$ _____	6	\$ _____
54	Extra Length Point Repair for 14-inch diameter PVC sewer pipe, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ _____	301	\$ _____
55	Point Repair for 16-inch diameter PVC sewer pipe, including pavement demolition,	Ea.	\$ _____	9	\$ _____

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	shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (4 foot pipe segment) (0'-10' Depth)				
56	Extra Length Point Repair for 16-inch diameter PVC sewer pipe, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ _____	310	\$ _____
57	Point Repair for 18-inch diameter PVC sewer pipe, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. Maximum of 20 LF. (10'-20' Depth)	Ea.	\$ _____	6	\$ _____
58	Extra Length Point Repair for 18-inch diameter PVC sewer pipe, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ _____	330	\$ _____
59	Point Repair for 24-inch diameter PVC sewer pipe, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (0'-10' Depth)	Ea.	\$ _____	3	\$ _____
60	Extra Length Point Repair for 24-inch diameter PVC sewer pipe, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ _____	244	\$ _____

61	Sewer Flow Control for Point Repairs of 14-inch, 16-inch, and 18-inch sewer pipe for every 4 LF of point repair, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Ea.	\$ _____	1,335	\$ _____
62	Sewer Flow Control for Point Repairs of 24-inch sewer pipe for every 4 LF of point repair, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Ea.	\$ _____	256	\$ _____
63	Traffic Control Work for Point Repairs, including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Ea.	\$ _____	24	\$ _____
<u>BASE BID (TOTAL Items 1 through 63, inclusive)</u>					\$ _____

Additive Bid #1 Description of Work:

Line B Work (SMH 350AHAGA to SMH 350BHAGA)

Work consists of rehabilitating one siphon consisting of two (2) - 18-inch barrels and providing temporary bypassing and traffic control as necessary to complete the rehabilitation work.

Item No.	Description	Unit	Unit Price	Additive Bid #1	
				Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits for Additive Bid #1)	Lump Sum	\$ _____	1	\$ _____
2	Closed-Circuit Television (CCTV) inspections for pre- and post-rehabilitation of existing inverted siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends) and sewer manholes, including reports, documentation, and all incidentals necessary to complete the work.	Lin. Ft.	\$ _____	496	\$ _____
3	Installation of cured-in-place pipe (CIPP) lining in existing inverted siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends) and sewer manholes, including reports, documentation, and all incidentals necessary to complete the work.	Lump Sum	\$ _____	1	\$ _____
4	Sewer Flow Control for siphon rehabilitation, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Lump Sum	\$ _____	1	\$ _____
5	Traffic Control Work for siphon	Lump	\$ _____	1	\$ _____

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	rehabilitation, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Sum			
ADDITIVE BID #1 (TOTAL Items 1 through 5, inclusive)					\$ _____

Additive Bid #2 Description of Work:

Line B Work (SMH 350BHAGA to Hagatna Pump Station)

Work consists of cleaning existing 24-inch and 27-inch diameter gravity sewer lines, rehabilitation of 24-inch and 27-inch diameter sewer lines with cured-in-place pipe (CIPP) liner, reinstating sewer laterals after CIPP rehabilitation is complete, and providing temporary bypassing and traffic control as necessary to facilitate the rehabilitation work.

					Additive Bid #2
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits for Additive Bid #2)	Lump Sum	\$ _____	1	\$ _____
2	Sewer Line Cleaning of existing 24-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	1,201	\$ _____
3	Sewer Line Cleaning of existing 27-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ _____	5,510	\$ _____
4	Closed-Circuit Television (CCTV) inspections for pre- and post-rehabilitation of existing 24" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,201	\$ _____
5	Closed-Circuit Television (CCTV) inspections for pre- and	Lin.	\$ _____	5,510	\$ _____

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	post-rehabilitation of existing 27" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Ft.			
6	Installation of cured-in-place pipe (CIPP) lining in existing 24-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	1,201	\$ _____
7	Installation of cured-in-place pipe (CIPP) lining in existing 27-inch sewer line, including wet out, preparation, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ _____	5,510	\$ _____
8	Reinstatement of existing sewer laterals upon completion of CIPP lining installation, and all incidentals, in place complete.	Ea.	\$ _____	20	\$ _____
9	Cast iron manhole frame and cover, 25-inch diameter, including grade adjustment rings where required, and other items as necessary to complete the work.	Ea.	\$ _____	2	\$ _____
10	Sewer manhole concrete collar, including reinforcing steel, borrow material where required, and other items as necessary to complete the work.	Ea.	\$ _____	2	\$ _____
11	Sewer manhole concrete sidewalk replacement for manhole 324Haga, including reinforcing steel, borrow material where required, and other items as necessary to complete the work.	Ea.	\$ _____	1	\$ _____
12	Sewer Flow Control, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary	Lump Sum	\$ _____	1	\$ _____

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	trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.				
13	Traffic Control Work for Alternative Bid #1, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ _____	1	\$ _____
ADDITIVE BID #2 (TOTAL Items 1 through 13, inclusive)					\$ _____
BASE BID (BASIS OF AWARD) =			\$ _____		
ADDITIVE BID #1 =			\$ _____		
ADDITIVE BID #2 =			\$ _____		

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

7.01 The following documents are attached to and made a condition of this Bid:

- A. Required Bid security in the form of _____.
- B. List of Proposed Major Suppliers;
- C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 - BID SUBMITTAL

9.01 This Bid submitted by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner - attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

A Corporation

Corporation Name: _____

State of Incorporation: _____

Type (General Business, Professional, Service, other): _____

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(CORPORATE SEAL)

Attest _____
(Signature of Corporate Secretary)

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

A Limited Liability Company (LLC)

LLC Name: _____

State in which organized: _____

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

A Joint Venture

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone: _____ Facsimile: _____

E-mail address: _____

Phone and Facsimile Number, and Address for receipt of official communications to Joint Venture:

(Each joint venturer must sign. The manner of signing for each individual, partnership, corporation, and limited liability company that is a party to the joint venture should be in the manner indicated above.)