

#### STATE OF INDIANA

#### INDIANA UTILITY REGULATORY COMMISSION

PETITION OF INDIANA-AMERICAN WATER
COMPANY, INC. FOR APPROVAL OF (A) A NEW
DISTRIBUTION SYSTEM IMPROVEMENT
CHARGE ("DSIC") PURSUANT TO IND. CODE
CHAP. 8-1-31; (B) A NEW RATE SCHEDULE
REFLECTING THE DSIC; AND (C) INCLUSION OF
THE COST OF ELIGIBLE DISTRIBUTION
SYSTEM IMPROVEMENTS IN ITS DSIC

PUBLIC'S

PUBLIC'S EXHIBIT NO. 2

TESTIMONY OF CARL N. SEALS

ON BEHALF OF

THE INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

**FEBRUARY 18, 2022** 

Respectfully submitted

INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

Daniel M. Le Vay, Attorney No. 22184-49

Dail M. Z. Vuz

Deputy Consumer Counselor

OFFICE OF UTILITY CONSUMER COUNSELOR

115 W. Washington St. Suite 1500 South

Indianapolis, IN 46204

Email: <u>dlevay@oucc.in.gov</u> <u>infomgt@oucc.in.gov</u>

# TESTIMONY OF OUCC WITNESS CARL N. SEALS CAUSE NO. 42351 DSIC 13 INDIANA AMERICAN WATER COMPANY, INC.

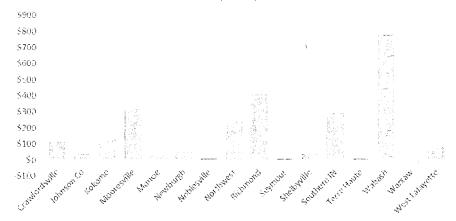
# I. <u>INTRODUCTION</u>

1	Q:	Please state your name and business address.
2	A:	My name is Carl N. Seals, and my business address is 115 West Washington Street, Suite
3		1500 South, Indianapolis, Indiana 46204.
4	Q:	By whom are you employed and in what capacity?
5	A:	I am employed by the Indiana Office of Utility Consumer Counselor ("OUCC") as the
6		Assistant Director in the Water/Wastewater Division. My qualifications and experience are
7		set forth in Appendix A.
8	Q:	What is the purpose of your testimony?
9	A:	My testimony will examine 1) DSIC spending per customer by district and 2) Indiana
10		American Water Company, Inc.'s ("Indiana American") average cost of hydrant
11		replacement, as compared to other utilities.
12	Q:	Please describe the review and analysis you conducted to prepare your testimony.
13	A:	I reviewed Indiana American's Petition and testimony of its witnesses, Stacy S. Hoffman
14		and Gregory D. Shimansky. I reviewed Indiana American's responses to OUCC Data
15		Requests.
16	Q:	Does your testimony include attachments?
17	A:	Yes. My testimony includes the following attachments:
18 19 20		<ul> <li>OUCC Attachment CNS-1 – Data responses regarding hydrant replacements;</li> <li>OUCC Attachment CNS-2 – Hydrant replacement costs, other utilities; and</li> <li>OUCC Attachment CNS-3 – Excerpts of Indiana American testimony.</li> </ul>

1 Q: How do Indiana American's per customer DSIC expenditures compare across 2 districts? 3 A: For purposes of this comparison, Indiana American has sixteen districts. I prepared the 4 table below to compare Indiana American's spending per customer on non-blanket DSIC 5 eligible expenditures among the districts. The table shows DSIC 13 spending per customer 6 on non-blanket DSIC eligible expenditures varied from a low of \$10 per customer 7 (Noblesville, Seymour) to a high of \$784 per customer (Wabash). Average DSIC spending 8 across all districts was \$157 per customer.<sup>1</sup>

Table 1

DSIC 13 Spend per Cust



# 9 Q: Does this information indicate a trend?

10

11

12

13

14

A:

The expenditures in one DSIC case does not indicate a trend. It may be expected that over time investments per customer in each district would be more evenly distributed. Again, all customers paying a DSIC will pay the same DSIC charge. While investment dollars may not be a precise indicator of the benefits received by customers in each district, it may be a useful benchmark for purposes of comparison. (Note: The table above only includes

<sup>&</sup>lt;sup>1</sup> Warsaw experienced a negative spend per customer.

1 non-blanket expenditures because Indiana American does not present its blanket 2 expenditures on a per district basis in its DSIC applications.) 3 Q: What do you believe should be done with this benchmark? Going forward I believe this benchmark should be tracked and reported in each of Indiana 4 A: 5 American's DSIC filings for current and prior DSIC's. In this way, the Commission can 6 observe and potentially respond to any trends showing potential inequities in per customer 7 spending by district. 8 Why are you examining Indiana American's average cost of hydrant replacement? Q: 9 A: Indiana American's testimony and responses to data requests, indicate a high average cost 10 per hydrant replacement in 2020 and 2021. 11 Q: What was Indiana American's average cost of hydrant replacement for 2020 and 12 2021? 13 As shown in Table 2, the average cost of hydrant replacement for the two-year period was A:

Table 2									
	2020	2021	combined						
hydrant replacement cost	4,360,603	4,556,705	8,917,308						
hydrant replacement count	340	304	644						
cost per hydrant	12,825	14,989	13,847						

\$13,847 per hydrant.<sup>2</sup>

14

# 15 Q: Did you compare this cost with the hydrant replacement cost of other utilities? 16 A: Yes. I searched the internet for recent information about hydrant installation and hydrant replacement costs, including news articles, bid tabulations and reports. Although Indiana

American includes replacement of hydrants in its DSIC application, I included hydrant

19 installation in my search because the cost of purchasing and installing a new hydrant

<sup>&</sup>lt;sup>2</sup> See OUCC Attachment CNS-1 for Indiana American responses to data requests regarding hydrant replacement costs and counts.

should be very similar to the cost of replacing an existing hydrant. The only cost that would not be included would be physical removal costs and bid tabs I reviewed showed the itemized removal costs to be a small portion of the total cost and in no case more than \$1,000.

# What did this research into the cost of hydrant replacement reveal?

1

2

3

4

5

6

7

8

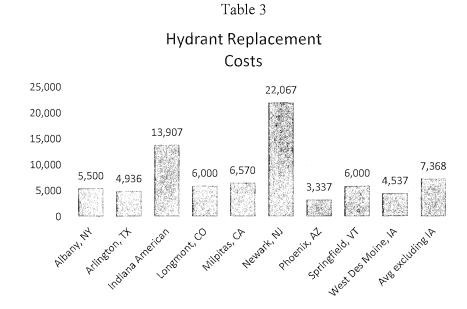
9

10

Q:

A:

Indiana American's cost of hydrant replacement is the second highest of those identified and is 1.89 times the average of the non-Indiana American records that I was able to locate.<sup>3</sup> Only one location showed a higher cost, and that appears to have been at least in part due to a failure to bid that specific portion of the project.<sup>4</sup> The Table below compares these costs.



<sup>&</sup>lt;sup>3</sup> Excluding Newark, NJ, which was not bid and therefore may not be representative, the average cost was \$5,269 per hydrant.

<sup>&</sup>lt;sup>4</sup> See OUCC Attachment CNS-2 for source documentation of hydrant replacement or installation costs.

1 Q: Does Indiana American have economies of scale that should assist it in installing 2 hydrants at less cost to the consumer?

> Indiana American has indicated in various cases (e.g., Cause Nos. 45290, 45461 and 45550) that its purchasing power and business practices enable it to be a more efficient provider of services. I have attached excerpts from testimony and attachments in other cases where Indiana American has referred to the intrinsic economies of scale or efficiencies of its operations in cases before the Commission.<sup>5</sup> With respect to hydrant replacement, it is unclear how Indiana American's economies of scale have translated into lower construction costs.

#### Q: What are your recommendations?

With respect to Indiana American's DSIC expenditures, I recommend the Commission require Indiana American to track and report current and historical DSIC expenditures per customer and by district and provide that information in its next DSIC application. With respect to hydrant replacement costs, I recommend Indiana American benchmark its hydrant replacement costs and evaluate how it can better use its economies of scale to perform hydrant replacements at lower costs to benefit its more than 300,000 ratepayers.

#### Q: Does this conclude your testimony?

18 A: Yes.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

A:

A:

<sup>&</sup>lt;sup>5</sup> Please see OUCC Attachment CNS-3.

# APPENDIX A

#### **QUALIFICATIONS**

1 Q: Please describe your educational background and experience. 2 A: In 1981 I graduated from Purdue University, where I received a Bachelor of Science degree 3 in Industrial Management with a minor in Engineering. I was recruited by the Union Pacific 4 Railroad, where I served as mechanical and maintenance supervisor and industrial engineer 5 in both local and corporate settings in St. Louis, Chicago, Little Rock and Beaumont, 6 Texas. I then served as Industrial Engineer for a molded-rubber parts manufacturer before 7 joining the Indiana Utility Regulatory Commission ("IURC") as Engineer, Supervisor and Analyst for more than ten years. It was during my tenure at the IURC that I received my 8 9 Master of Health Administration degree from Indiana University. After the IURC, I worked 10 at Indiana-American Water Company, initially in their rates department, then managing 11 their Shelbyville operations for eight years, and later served as Director of Regulatory 12 Compliance and Contract Management for Veolia Water Indianapolis. I joined Citizens 13 Energy Group as Rate & Regulatory Analyst following the October 2011 transfer of the 14 Indianapolis water utility and joined the Office of Utility Consumer Counselor in April of 15 2016. In March 2020 I was promoted to my current position of Assistant Director of the 16 Water and Wastewater Division. In summary, in addition to working in manufacturing and 17 transportation, I have been working in or with utilities since 1988, or nearly 35 years. Have you previously testified before the Indiana Utility Regulatory Commission? 18 Q: 19 A: Yes. I have testified in telecommunications, water and wastewater utility cases before the Commission. 20

# **AFFIRMATION**

I affirm the representations I made in the foregoing testimony are true to the best of my knowledge, information, and belief.

By: Carl N. Seals

Cause No. 42351 DSIC-13

Office of Utility Consumer Counselor (OUCC)

Date: February 18, 2022

#### **OUCC DR 2-31**

# DATA REQUEST Indiana-American Water Company, Inc.

#### Cause No. 42351 DSIC-13

# **Information Requested:**

Please state the dollar amount of hydrants replaced (NARUC Account 335) for each calendar year 2020 and 2021.

#### Objection:

Petitioner objects to the request on the grounds and to the extent it seeks a compilation or analysis that Petitioner has not performed and which it objects to performing. Petitioner further objects to the request on the grounds and to the extent it is overly broad and unduly burdensome. Petitioner also objects to the request on the grounds and to the extent the request solicits information that exceeds the scope of this proceeding and is not reasonably calculated to lead to the discovery of relevant or admissible evidence. The Commission's administrative rules (170 IAC 6-1.1-1 et seq.) provide what information Petitioner is required to submit with its DSIC filing. The information requested for prior years and which is not included in this DSIC-13 proceeding is outside the scope of this proceeding and unduly burdensome given the expedited nature of the proceeding. Petitioner further objects to the requests on the grounds and to the extent it is vague and ambiguous in that it is unclear from the request whether it is asking for dollar amounts recorded in the account listed, or whether the request seeks total spend related to the items listed.

#### **Information Provided:**

Subject to and without waiver of the foregoing objections, Petitioner responds as follows:

Hydrant and valve replacements are charged to the same RP WBS line (R10-##F1). Hydrant and valve replacement capital expenditure amounts by calendar year for 2020 and 2021, are provided below. Project expenditures are assigned to appropriate accounts after the projects are placed in service. Breakdown by account has been provided for projects included in this DSIC-13 proceeding. The Company doesn't have breakdown by account readily available for prior years or for work not included in this DSIC-13 Cause.

2020: \$4,360,603 2021: \$4,556,705

#### **OUCC DR 2-32**

# DATA REQUEST Indiana-American Water Company, Inc.

#### Cause No. 42351 DSIC-13

# **Information Requested:**

Please state the number of hydrants replaced (NARUC Account 335) for each calendar year 2020 and 2021.

# **Objection:**

Petitioner objects to the request on the grounds and to the extent it seeks a compilation or analysis that Petitioner has not performed and which it objects to performing. Petitioner further objects to the request on the grounds and to the extent it is overly broad and unduly burdensome. Petitioner also objects to the request on the grounds and to the extent the request solicits information that exceeds the scope of this proceeding and is not reasonably calculated to lead to the discovery of relevant or admissible evidence. The Commission's administrative rules (170 IAC 6-1.1-1 et seq.) provide what information Petitioner is required to submit with its DSIC filing. The information requested for prior years and which is not included in this DSIC-13 proceeding is outside the scope of this proceeding and unduly burdensome given the expedited nature of the proceeding. Petitioner further objects to the requests on the grounds and to the extent it is vague and ambiguous in that it is unclear from the request whether it is asking for dollar amounts recorded in the account listed, or whether the request seeks total spend related to the items listed.

#### **Information Provided:**

Subject to and without waiver of the foregoing objections, Petitioner responds as follows:

Hydrants replaced in 2020 was 340 Hydrants replaced in 2021 was 304

# ALBANY WATER BOARD SCHEDULE OF PROPOSED RATE STRUCTURE PROPOSED TO BE EFFECTIVE JANUARY 1, 2021

	RESIDENTIAL/ COMMERCIAL RATE (A) (per 100 cf)	TIER I LARGE USER RATE (B) (per 100 cf)	TIER II LARGE USER RATE (B) (per 100 cf)	VACANT PROPERTY (per front foot, <u>per year)</u>
Rates Prior to January 1, 2020	\$2.72	\$4.95	\$5.94	\$2.46
Rates through December 31, 2020	\$2.79	\$5.07	\$6.09	\$2.52
Rates Effective January 1, 2021	\$2.89	\$5.25	\$6.30	\$2.61

#### ----- SEWER CHARGE IS BILLED AT 100% OF ABOVE WATER RATES -------

- (A) The minimum water charge for residential customers will be increased 3.5% from \$36.50 per 120 day billing cycle to \$37.78 per 120 day billing cycle.
- (B) A Tier I large user customer is defined as a customer who utilizes in excess of 120,000 cubic feet of water per month. A Tier II large user customer is defined as a customer who utilizes in excess of 600,000 cubic feet of water per month. Tier I and Tier II large user rates apply to all water usage for those customers who meet the user definition.
- (C) A 1% monthly finance charge (or 12% annually) is currently charged on any unpaid accounts (those not paid within 30 days of the date billed) based on the average monthly balance of the account.
- (D) A one-time penalty of 5% is currently charged to all accounts not paid within 30 days of the initial date of billing. An additional penalty of 5% is currently charged to all accounts delinquent as of November 15 of each year and, as such, subject to rollover and collection by the City of Albany on the City's general taxes.
- (E) Albany's water measurements, billings and rates are expressed in units of 100 cubic feet (cf). Approximately 1 cf is equivalent to 7.48 gallons; approximately 100 cf is equivalent to 748 gallons.
- (F) Certain senior citizen residential owners, meeting age and income limitations, are provided (upon application) discounts on the usage rates detailed in the above table.
- (G) For users outside the City of Albany's municipal borders who do not have an inter-municipal water purchase agreement, the water rates are effective at 1.5 times the usage rates detailed in the above table.

\$50.00 \$1,500.00

# ALBANY WATER BOARD SCHEDULE OF COST RECOVERY AND OTHER COMMERCIAL RATES EFFECTIVE JANUARY 1, 2021

Air Conditioning (Annual) Recirculating Non-recirculating	\$19.50/H.P. \$94.00/H.P.
Refrigeration (applies to existing services only) Recirculating Non-recirculating	\$19.50/Ton \$94.00/H.P.
Fire Service/Sprinklers (Annual) 3" service or less 4" service 6" service 8" service Over 8" service	\$185.00 \$300.00 \$550.00 \$730.00 \$1,100.00
Fire Hydrant Charges  Base permit charge for up to 5,000 gallons (up to 10 calendar days)  Charge for each additional day (beyond 10 days)  Charge for each 1,000 gallons (over 5,000 gallons)  Fire hydrant meter deposit  Fire hydrant meter back flow valve (city owned) deposit  Daily use fee (up to 10 calendar days)  Charge for each additional day beyond (10 calendar days)	\$500.00 \$50.00 \$7.30 \$500.00 \$200.00 \$10.00 \$20.00

#### Closing Meter Reading Charge

Unauthorized hydrant use fee/penalty

A charge of \$50.00 will be made for each closing reading taken by Water Department personnel.

#### Fire Flow Charges

\$350.00 each test.

# Turn On/Shut Off Charges

Curb box \$40.00; branch valve \$55.00 (4" or larger).

Fire hydrant meter back flow valve (private owned) inspection only

#### Missed Appointment Charge

A charge of \$50 will be assessed for any missed appointment/no show (after the second attempt).

#### Denial of Access Charge

A charge of \$250.00 will be assessed for denial of access to replace, repair, inspect, or otherwise access Water and Sewer devices and equipment that may be located at private residences.

#### Theft of Services Charge

A charge of \$650.00, plus value of services stolen, will be assessed to property owners who receive water that is not recorded by the meter. This includes tampering with the meter and/or bypassing the meter.

#### Other

Charges for labor and materials, for work performed on private property pursuant to a signed consent form, will be billed at the Department of Water and Water Supply's direct costs, plus a 30% overhead fee.

# ALBANY WATER BOARD SCHEDULE OF MATERIAL AND LABOR FEES EFFECTIVE JANUARY 1, 2021

# **Tapping Charges**

3/4 ''	\$500.00
1"	\$600.00
1 ½"	\$700.00
2″	\$800.00
4"	\$1,000.00
6"	\$1,250.00
8"	\$1,500.00
12"	\$1,750.00

All tapping rates include material and equipment charges.

#### **Fees on Water Meters**

Meter with Orion Head 5/8"	\$250.00
Meter with Orion Head 1"	\$425.00
Meter with Orion Head 1-1/2"	\$750.00
Meter with Orion Head 2"	\$1,050.00
Meter only: 5/8"	\$100.00
Meter only: 1"	\$275.00
Meter only: 1-1/2"	\$600.00
Meter only: 2"	\$900.00
Orion Head only: 5/8" through 2"	\$150.00
·	

Fees on water meters are based upon current market conditions and are subject to change. Please call for current prices of meters or heads in excess of 2".

Due to uncertain freight costs, the Albany Water Board reserves the right to adjust the costs for meters and heads.

# ALBANY WATER BOARD SCHEDULE OF MATERIAL AND LABOR FEES EFFECTIVE JANUARY 1, 2021

#### Frozen meter replacements

Customer will be charged for the cost of a new meter, for the size currently in place, plus labor and materials:

- Labor charge during working hours: \$175.00 (Plus cost of meter)
- Labor charge during non-working hours: \$260.00 (Plus cost of meter)

# Water Service Repair Charges/Termination

3/4" up to 1" service repair \$4,750.00

1 ¼" up to 2" service repair \$5,200.00

# Fire Branch and Private Water Main Repair Charges

4" \$5,000.00 6" \$5,250.00

\$5,500.00

### Other Fees/Charges

Base permit fee on all water and sewer applications: \$50.00

8"

New sewer connection fees:

Residential \$160.00

Commercial \$370.00 lndustrial \$700.00

Hydrant Repair/Replacement Fees:

Repair \$500.00 (plus materials)

Replacement \$5,500.00

### Meter Selection:

All meters shall be selected for a minimum 95% accuracy at anticipated low flows. Meter selection and cross-connection control device selection shall be reviewed and approved by the Department of Water and Water Supply.

#### BID TABULATION REPORT

BID TABULATION REPORT																
2017 Water Main Renewal, City of Arlington			Murphy Pipeline	Contractors Inc.	Portland Utilities C	onstruction Co., LLC	Reves Gr	oun, Ltd.	Omena Con	traction lac.	Jackson Co	nstruction, Ltd	Gra-Tex U	Hillties, inc	Atkins Brothers Equipment Co.,	Ark Contracting Services
Project No. MI IMS17012															inc,	-
Bid Opening 9/19/2017 at 10am				ille, Fiorida		Tennessee	Grand Pro			, Texas		oith, Texas		n, Texas	Midlothian, Texas	Kennedale, Texas
ITEM DESCRIPTION	UNITS	QTY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE TOTAL COST	UNIT PRICE TOTAL COST
101 Mobilization & Bonds	LS	1 1		5 -		3	\$ 80,000,00 5	s 80.000.00	\$ 80,000,00	\$ 80,000,00	\$ 80,000,00			80,000,00		
102 SWPPP	LS						\$ 20,000.00 \$		\$ 20,000,00	\$ 20,000,00	\$ 20,000.00		\$ 20,000,00 \$	20,000.00		
		+				·					S 115.00		s 130.00	5 2.366.000.00		
163 Furnish & Install 8-Inch PVC Water Line C-900 (DR-18) by open cut	LF	18,200		3		s -	\$ 71.00		\$ 62.00							
104 Furnish & Install 6-inch PVC Water Line C-900 (DR-18) by open cut	LF	1,120		s		\$	\$ 57,00 \$	5 63,840,00	S 57,00	s 63,840.00	\$ 115,00	\$ 128,800.00	S 110,00	5 123,200,00		
105 Furnish & Install 8-Inch PVC Water Line C-900 by bore	LF	145		s -	ı	s - 1	\$ 275,00 \$	\$ 39,875,00 )	\$ 290,00	\$ 42,050,00	\$ 470,00	\$ 68,150,00	\$ 450,00 \$	65,250,00		
105 Furnish & Install, Maintain, and Remove Temporary 8-inch HDPE Water Line	LE	500		s -		s -	\$ 54.00 \$	s 27.000.00	\$ 79,00	\$ 39,500,00	\$ 45.00	S 27 500.00	\$ 80.00 \$	40 000.00		
107 Furnish & Install, Maintain, and Remove Minimum 6-Inch Temporary Fire Service	FA	5	_	s .			5 4.500.00 5	s 22,500,00	\$ 5.264.00		S 2,500.00	S 12.500.00	S 3,500,00 S	17.500.00		1
108 Furnish and Install 8-inch Resillent Wedge Gate Valve	EA	65			-		\$ 2,050,00		\$ 2,040.00					113,750,00		
				· -		•										
109 Furnish and Instell 6-inch Resilient Wedge Gate Valve	EA	55		s -		s -										
110 Abandon Existing Gate Valve & Box	EA	45		\$ -		ŝ	\$ 300,00 \$		\$ 395.00				\$ 350,00 \$	15,750,00		
111 Remove & Dispose Existing Gate Valve at the locations conflict with pavement subgrade	EA	10		5 -		5 -	\$ 1,000.00 \$	\$ 10,000.00	\$ 987.00	\$ 9,870.00	\$ 150.00	\$ 1,500.00	\$ 450.00 \$	4,500.00	1	
112 Fürnish & Install Lead Free Fire Hydrant Assembly	EA	35		8			\$ 3,000,00	\$ 133,000,00	\$ 4,212.00	S 147,420.00	\$ 4,000,00	\$ 140,000.00	\$ 3,600,00	\$ 126,000,00	i -	1
113 Remove & Dispose Existing Fire Hydrant	FA	35		-		5	S 500.00 S		5 724.00							1
						<u>.                                      </u>	\$ 980.00									j
114 Relocate & Adjust Existing 1-inch or %-inch AMI Water Meter to Final Grade & Location	EA	147		3 -		5 -										1
115 Replace Existing Meter with City Furnished 1-Inch or %-Inch AMI Meter	EA	38		s -		\$-										
116 Replace Existing Meter Box with City Furnished 1-inch Meter Box	EA	185	1	s -	,	3 -	\$ 275.00 8	s 50,875.00	\$ 277.00	\$ 51,245.00	S 200.00	\$ 37,000.00	5 155.00 3	30,525.00	i	
117 Furnish & Install 1-Inch Bullhead Water Service from Main to Meter per Detail	EA	1		s -		s -	\$ 1,500.00 5	\$ 1,500,00	\$ 1,448,00	\$ 1,448,00	\$ 2,700,00	\$ 2,700,00	\$ 1,600,00 5	1.600.00	1	
118 Furnish & Install 1-inch Short Water Service from Main to Meter	EA	80		s -		\$ -										
	EA	103		s -		\$ .	3 1,150,00		S 1,053,00							Non-Responsive Bid
119 Furnish & Install 1-inch Long Water Service from Main to Meter				3		• -										Non-responsive bio
120 Relocate & Adjust Existing 2-inch or 1-1/2-inch AMI Water Meter to Final Grade & Location	EA	15		s -		5 -	\$ 1,900,00 \$							7,500.00		1
121 Replace Existing Meter with City Furnished 2-inch or 1-1/2-inch AMI Meter	EA	9		5 -		5 -	\$ 2,300.00 \$									I
122 Replace Existing Meter Box with City Furnished 2-Inch Meter Box	ĘΑ	24		s -		\$	\$ 500.00 \$	\$ 12,000.00	\$ 527,00	S 12,648.00	\$ 200.00	\$ 4,800.00	\$ 300,00 \$	7,200.00	i	l I
123 Fternish & Install 2-Inch Short Water Service from Main to Meter	EA	17		s -		s -	\$ 2,300.00 5		\$ 2,369.00					42,500.00		I
124 Furnish & Install 2-Inch Long Water Service from Main to Meter	EA	7		\$		5	\$ 2,300.00 8		\$ 2,567.00		\$ 2,800.00			18,900.00	1	1
				•											i	1 1
125 Furnish & Install 4-inch PVC C-900 Water Service from Main to Meter	EA	4		\$ -		s	\$ 1,600,00 8								{	i i
126 Remove Existing 4-inch Meter Vault. Furnish & Install 4-inch Meter Vault and Adjust Meter Assembly	EA	1		2 -		5 -	\$ 12,500,00 8									1
127 Remove Existing 3-inch Meter Vault and Replace with 2-inch Meter Box	EA	4		5 -		5 -	\$ 1,700,00 8	5 6,800.00	\$ 1,777.00	\$ 7,108,00	5 4,000.00	5 16,000.00	S 5,600,00 S	22,400.00		
128 Connect to Existing 12-inch Water Line, Gate Valve, Tee or Cross	EA	5		s -		s -	\$ 800,00 8	\$ 4,000.00	\$ 856.00	\$ 4,280.00	\$ 3,000,00	s 15,000.00	3 5,600.00 S	28,000.00		I
129 Connect to Existing 8-Inch and 8-Inch Water Line, Gate Valve, Tee or Cross	EA	55		s -		s -	\$ 1,400,00 8									
		40					S 780.00 S									1
130 Cut & Plug Existing 8-inch to 12-inch Water Line	EA			5 .		s -										1
131 Remove & Dispose of Existing Water Line (Including AC pipe)	LF			s -		\$ -										1
132 Furnish & Install Concrete Encasement	LF	100	,	s - j	Į.	s -	\$ 45,00	\$ 4,500,00	\$ 46,00	\$ 4,600,00	\$ 60,00	\$ 6,000,00	s 70,00 s	7,000.00	J.	J
133 Furnish & Install Rock Cushlon	YN	20		s .		š -	\$ 45,00 8	\$ 900,00	\$ 46,00	s 920,00	\$ 50,00	\$ 1,000,00	\$ 35,00 8	700.00		
134 Furnish & Install ADA Compliant Berrier Free Ramp	EA	5					\$ 1,600,00 \$									1
		+ ;		<u> </u>		<del></del>										1
135 Furnish G.P.S. Dala on New Water & Sanitary Sevver Attributes	LS			s -		2 -	\$ 10,000.00 \$		S 13,162.00		\$ 28,000.00					1
138 Construction Contingency for Water Items	LS	1 1		\$ -		\$ -	\$ 150,000,00						\$ 150,000.00			
137 Furnish & Install Permanent Pavement Markings	LS	1		\$ -		s	\$ 12,500,00 \$	12,500,00	\$ 13,200,00	\$ 13,200,00	\$ 5,000,00	\$ 5,000.00	S 10,000.00 S	10,000.00		
138 Flagman and Flagging Protection as required by UPRR	LS	1		s -		s -	\$ 21,000.00 \$	\$ 21,000.00	\$ 21,000,00	\$ 21,000,00	\$ 21,000,00	\$ 21,000,00	\$ 21,000,00 \$	21,000,00		i
139 UPRR Permit and All Extra Cost associated with working in the Rattroad ROW	LS	1		s -										8,000,00		1
140 Furnish & Install, Malatain, and Remove Temporary 2-inch Water Line	LF			-			\$ 25.00		\$ 33.00				\$ 15.00	18,000,00		
				3 -			3 25,00 [3		\$ 33.00		\$ 12,00		\$ 15,00			1
TOTAL BASE BID WATE		NEWAL OPT	ON#5 - OPEN CUT	\$ -		<u>.</u>		\$ 2,943,550.00	إلايس	\$ 2,880,294,00		\$ 3,779,500,00		\$ 3,984,640,00		
TOTAL BASE BID WATE 201 Mobilization & Bonds	LS	NEWAL OPT	S 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000,00		\$ 2,943,550.00 \$		\$ 2,886,294,00 S -		\$ 3,779,500,00		5 3,984,640.00		
TOTAL BASE BID WATE 201 Mobilization & Bonds	LS			\$ 80,000.00				\$ 2,943,550.00 \$ -		\$ 2,886,294,80 S -		\$ 3,779,500,00		5 3,984,640.00 5 -		
201   Mobilization & Bonds     202	LS	1 1	\$ 80,030.00 \$ 20,030.00	\$ 80,000.00 S	\$ 20,000.00	\$ 20,000.00		\$ 2,943,550.00 \$ - \$ -		\$ - \$ -		\$ - \$ -		5 3,984,640.00 3 -		
TOTAL BASE BOWAY  201 Mobilization & Bonds  202 SWPPP  200 Purborn Static Pipe Bursting and replace with 8-tich HOPE DR11 PE4110	LS LS	1 18,200	\$ 80,000.00 \$ 20,000.00 \$ 65,00	\$ 80,000.00 \$ \$ 20,000.00 \$ \$ 1,183,000.00 \$	\$ 20,000.00	\$ 20,000.00 \$ 1,001,000.00		\$ 2,943,550.00 \$ - \$ -		\$ 2,886,294,80 \$ - \$ -		\$ -		5 3,884,640.00 5 - 5 -		
TOTAL GASE BIO WATE  201 Mebilization & Bonds  202 SWPPP  203 Parform Static Pipe Burstleg and replace with 8-linch HOPE DR11 PE-2110  204 Furnish in Install 6-linch PVC Whater Line C-600 (DR-18) or HDPE DR11 PE-2110 by open out	LS LS LF	1 1 18,200 820	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00	\$ 80,000.00 \$ \$ 20,000.00 \$ \$ 1,183,000,00 \$ \$ 98,400.00 \$	\$ 20,000.00 \$ 55,00 \$ 100.00	\$ 20,000.00 \$ 1,001,000.00 \$ 82,000.00		\$ 2,943,550.00 \$ - \$ - \$ - \$ -		\$ - \$ -		\$ - \$ - \$ -		5 3,984,640.00 5 - 5 - 5 -		
TOTAL BASSED WAT  201 Mebituation & Bonds  202 SWPPP  203 Pursian State Pips Bursting and replace with 6-lock HOPE DR11 PE4710  204 Pursiah & Install 6-lock PVC Water Line Codio (Inc18) or HOPE DR11 PE4710 by open out.  205 Fursiah & Install 8-lock PVC Water Line Codio (Inc18) or HOPE DR11 PE4710 by open out.	LS LS LF LF	1 1 18,200 820 145	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00	\$ 80,000.00 \$ \$ 20,000.00 \$ \$ 1,183,000.00 \$ \$ 98,400.00 \$ \$ 43,500.00 \$	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00	\$ 20,000,00 \$ 1,001,000,00 \$ 92,000,00 \$ 63,076,00		\$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$	5 3,984,640.00 5 - 5 - 5 - 3 -		
TOTAL CASE BIO WAT  Mobilization & Bonds  202 SWPPP  203 Purshmit A Install 6-rish PVC Water Line C-900 (pt.en.9) or HDPE DR11 PE4710  205 Purshmit A Install 6-rish PVC Water Line C-900 (pt.en.9) or HDPE DR11 PE4710 by open out  205 Purshit A Install 8-rish PVC Water Line C-900 (pt.en.9) or HDPE DR11 PE4710 by open out  205 Purshit A Install 8-rish PVC Water Line C-900 (pt.en.9) or HDPE DR11 PE4710 by open out  205 Purshit A Install 8-rish PVC Water Line C-900 (pt.en.9) or HDPE DR11 PE4710 by open out	LS LS LF	1 18,200 820 145 1,500	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300.00 \$ 15.00	\$ 80,000.00   \$ 20,000.00   \$ 1,183,000.00   \$ 98,400.00   \$ 43,500.00   \$ 22,500.00	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00 \$ 30,00	\$ 20,000,00 \$ 1,001,000,00 \$ 82,000,00 \$ 63,075,00 \$ 45,000,00		\$ \$ \$ \$ \$		\$ - \$ -		\$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 1,984,640.00 5 - 5 - 5 - 3 - 3 - 5 -		
TOTAL BASSED WAT  201 Mebituation & Bonds  202 SWPPP  203 Pursian State Pips Bursting and replace with 6-lock HOPE DR11 PE4710  204 Pursiah & Install 6-lock PVC Water Line Codio (Inc18) or HOPE DR11 PE4710 by open out.  205 Fursiah & Install 8-lock PVC Water Line Codio (Inc18) or HOPE DR11 PE4710 by open out.	LS LS LF LF	1 18,200 820 145 1,500	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00	\$ 80,000.00 \$ \$ 20,000.00 \$ \$ 1,183,000.00 \$ \$ 98,400.00 \$ \$ 43,500.00 \$	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00	\$ 20,000,00 \$ 1,001,000,00 \$ 82,000,00 \$ 63,075,00 \$ 45,000,00		\$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 1,984,640.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		
TOTAL BASSED WAT  201 Mebituation & Bonds  202 SWPPP  209 Pursian State Pipe Bursting and replace with 6-linds HOPE DR11 PE4710  204 Pursian & Install 6-line Pipe Worker Line C-050 (DR-16) or HOPE DR11 PE4710 by open out  205 Pursiah & Install 8-line Pipe Volver Line C-000 by Josen  206 Fursiah & Install 8-line Pipe Volver Line C-000 by Josen  206 Fursiah & Install Ministra, and Remove Visionum C-line Componey Such HOPE Water Line  207 Fursiah & Install Ministra, and Remove Ministra Line Line Temporary Remove Line  208 Fursiah & Install Ministra, and Remove Ministra Line Temporary Remove Line  209 Fursiah & Install Ministra, and Remove Ministra Line Line Temporary Remove Line  200 Fursiah & Install Ministra, and Remove Ministra Line Line Temporary Remove Line  201 Fursiah & Install Ministra, and Remove Ministra Line Line Temporary Remove Line  202 Fursiah & Install Ministra, and Remove Ministra Line Line Temporary Remove Line  203 Fursiah Remove Ministra Line Line Remove Line Line Line Line Remove Line Line Line Remove Line Line Line Remove Line Line Line Remove Line Line Line Line Remove Line Line Line Line Remove Line Line Line Remove Line Line Line Remove Line Line Line Line Line Remove Line Line Line Line Line Line Line Lin	LS LS LF LF LF	1 18,209 820 145 1,500	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00 \$ 15.00 \$ 1,000,00	\$ 80,000,00   \$ 20,000,00   \$ 1,183,000,00   \$ 98,400,00   \$ 43,500,00   \$ 22,500,00   \$ 15,000,00	\$ 20,000,00 \$ 55,00 \$ 100,00 \$ 435,00 \$ 30,00 \$ 3,000,00	\$ 20,000.00 \$ 1,001,000.00 \$ 92,000.00 \$ 63,075,00 \$ 45,000.00 \$ 45,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5 - 5 - 5 - 3 - 5 -		
Mobilization & Bonds  201 Mobilization & Bonds  202 SWPPP  203 Purform Static Pipe Bursting and replace with 8-look HOPE DR11 PE47 10  204 Pursink & Install 6-exh PVC Water Line C-600 (p.N-18) or HDPE DR11 PE47 10 by open out  205 Pursikh & Install 6-exh PVC Water Line C-600 (p.N-18) or HDPE DR11 PE47 10 by open out  205 Fursikh & Install 6-exh PVC Water Line C-600 (p.N-18) or HDPE Water Line  207 Pursikh & Install Maintain, and Remove Temporary siech HDPE Water Line  207 Pursikh & Install Maintain, and Remove Water Line Horizon Fursikh and Install American Line  208 Fursikh and Install & Maintain, and Remove Water Line  209 Fursikh and Install & Maintain, and Remove Water Line  200 Fursikh and Install & Maintain, and Remove Water Line  201 Fursikh and Install & Maintain, and Remove Water Line  202 Fursikh and Install & Maintain, and Remove Water Line  203 Fursikh and Install & Maintain, and Remove Water Line  204 Fursikh and Install & Maintain, and Remove Water Line  205 Fursikh and Install & Maintain, and Remove Water Line  206 Fursikh and Install & Maintain, and Remove Water Line  207 Fursikh and Install & Maintain, and Remove Water Line  208 Fursikh and Install & Maintain, and Remove Water Line  209 Fursikh and Install & Maintain, and Remove Water Line  200 Fursikh and Install & Maintain, and Remove Water Line  201 Fursikh and Install & Maintain, and Remove Water Line  202 Fursikh and Install & Maintain, and Remove Water Line  203 Fursikh and Install & Maintain, and Remove Water Line  204 Fursikh and Maintain, and Remove Water Line  205 Fursikh and Maintain, and Remove Water Line  206 Fursikh and American Maintain, and Remove Water Line  207 Fursikh and Maintain, and Remove Water Line  208 Fursikh and Maintain, and Remove Water Line  208 Fursikh and American Maintain, and Remove Water Line  209 Fursikh and American Maintain, and Remove Water Line  200 Fursikh and American Maintain, and Remove Water Line  201 Fursikh and American Maintain, and Remove Water Line  202 Fursikh and American Maintain, and Remove	LS LS UF UF UF UF EA EA	1 18,200 820 145 1,500 15	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00 \$ 15,00 \$ 1,000,00 \$ 1,500.00	\$ 80,000,00   5 20,000,00   5 1,183,000,00   5 98,400,00   5 43,500,00   5 22,500,00   5 15,000,00   5 97,500,00   5 97,500,00	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00	\$ 20,000.00 \$ 1,001,000,00 \$ 92,000.00 \$ 63,076,00 \$ 45,000.00 \$ 45,000.00 \$ 139,100.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ 5		\$ - \$ - \$ - \$ 5 -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
TOTAL BASSED WAT  201 Mebituation & Bonds  202 SWPPP  203 Perform State Pipe Bursting and replace with 8-linds HOPE DR11 PE4710  204 Purshis & Install 8-less Pipe Worker Line C-000 (DR-16) or HOPE DR11 PE4710 by open out  205 Purshis & Install 8-less Pipe Volver Line C-000 to Joseph Control Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe	LS LS UF UF UF UF EA EA	1 1 18,200 820 145 1,500 15 65	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00 \$ 15,00 \$ 1,000,00 \$ 1,500.00 \$ 1,250,00	\$ 80,000.00   \$ 20,000.00   \$ 1,183,000.00   \$ 98,400.00   \$ 43,500.00   \$ 22,500.00   \$ 16,000.00   \$ 97,500.00   \$ 68,750.00	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00	\$ 20,000.00 \$ 1,001,000,00 \$ 82,000,00 \$ 63,075,00 \$ 45,000,00 \$ 139,100,00 \$ 100,650,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ 5 -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bonds  Mobilization & Mobilization  Mobilization Statist Pipe Biosteing and replace with 8-linch HOPE DR11 PE4710  Pursish & Install 6-ship PVC Water Line C-900 (pipes) or HOPE DR11 PE4710 by open out  Mobilization & Install 6-ship PVC Water Line C-900 (pipes)  Mobilization & Install 6-ship PVC Water Line C-900 (pipes)  Mobilization & Install 8-ship American Remove Temporary Seach HOPE Water Line  Mobilization & Install 8-ship American Water Gate Value American Install 8-ship American Water Gate Value  Mobilization & Install 8-ship American Water	LS LS LF LF LF LF EA EA EA	1 18,200 620 145 1,500 15 65 55	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300.00 \$ 15,00 \$ 1,000.00 \$ 1,250.00 \$ 1,250.00 \$ 100.00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 4,500,00 \$ 4,500,00 \$ 4,500,00	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00	\$ 20,000.00 \$ 1,001,000.00 \$ 82,000.00 \$ 83,075,00 \$ 45,000.00 \$ 45,000.00 \$ 139,100.00 \$ 100,559,00 \$ 6,750.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ 5		\$ - \$ - \$ - \$ 5 -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornds   Mobilization & Bornds	LS LS LF LF LF LF EA EA EA EA	1 18,200 620 145 1,500 15 65 55 45	\$ 80,000.00 \$ 20,000.00 \$ 85,00 \$ 120.00 \$ 300.00 \$ 1,000.00 \$ 1,250.00 \$ 1,250.00 \$ 1,250.00 \$ 100.00 \$ 100.00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,000,00 \$ 97,500,00 \$ 68,750,00 \$ 4,500,00 \$ 4,500,00 \$ 5 1,000,00 \$ 1,000,00	\$ 20,000,00 \$ 55,00 \$ 100,00 \$ 435,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00	\$ 20,000.00 \$ 1,001,009.00 \$ 82,000.00 \$ 63,075,00 \$ 45,000.00 \$ 45,000.00 \$ 139,100.00 \$ 6,750.00 \$ 10,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ 5		\$ - \$ - \$ - \$ 5 -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bonds  Mobilization & Mobilization  Mobilization Statist Pipe Biosteing and replace with 8-linch HOPE DR11 PE4710  Pursish & Install 6-ship PVC Water Line C-900 (pipes) or HOPE DR11 PE4710 by open out  Mobilization & Install 6-ship PVC Water Line C-900 (pipes)  Mobilization & Install 6-ship PVC Water Line C-900 (pipes)  Mobilization & Install 8-ship American Remove Temporary Seach HOPE Water Line  Mobilization & Install 8-ship American Water Gate Value American Install 8-ship American Water Gate Value  Mobilization & Install 8-ship American Water	LS LS LF LF LF LF EA EA EA	1 18,200 620 145 1,500 15 65 55	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300.00 \$ 15,00 \$ 1,000.00 \$ 1,250.00 \$ 1,250.00 \$ 100.00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 4,500,00 \$ 4,500,00 \$ 4,500,00	\$ 20,000.00 \$ 55,00 \$ 100.00 \$ 435,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00	\$ 20,000.00 \$ 1,001,009.00 \$ 82,000.00 \$ 63,075,00 \$ 45,000.00 \$ 45,000.00 \$ 139,100.00 \$ 6,750.00 \$ 10,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ 5		\$ - \$ - \$ - \$ 5 -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mebilization & Bonds   Mebilization & Bonds   Mebilization & Bonds   Mebilization & Bonds   Mebilization & Mebilization & Medication & Mebilization   Mebi	LS LS LF LF LF LF EA EA EA EA	1 18,200 620 145 1,500 15 65 55 45	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300,00 \$ 16,00 \$ 1,000,00 \$ 1,500,00 \$ 1,250,00 \$ 100,00 \$ 100,00 \$ 100,00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,2500,00 \$ 15,000,00 \$ 97,500,00 \$ 68,750,00 \$ 4,500,00 \$ 1,000,00 \$ 1,000,00 \$ 8,6250,00	\$ 20,000,00 \$ 55,00 \$ 100,00 \$ 435,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00	\$ 20,000.00 \$ 1,001,000.00 \$ 82,000.00 \$ 63,076,00 \$ 45,000,00 \$ 139,100.00 \$ 100,650.00 \$ 10,000.00 \$ 17,750.00 \$ 10,000.00 \$ 19,100.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ 5		\$ - \$ - \$ - \$ 5 -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornds   Mobilization & Bornds	LS LS LF LF LF LF EA EA EA EA EA EA	1 1 18,209 620 145 1,500 15 65 55 45 10 35	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 300.00 \$ 15,00 \$ 1,500.00 \$ 1,500.00 \$ 1,000.00 \$ 100.00 \$ 100.00 \$ 100.00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,000,00 \$ 16,000,00 \$ 97,500,00 \$ 4,500,00 \$ 4,500,00 \$ 1,000,00 \$ 1,000,00 \$ 3,500,00 \$ 3,500,00	\$ 20,000,00 \$ 55,00 \$ 100,00 \$ 435,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 3,000,00	\$ 20,000.00 \$ 1,001,000.00 \$ \$2,000.00 \$ \$3,075.00 \$ 45,000.00 \$ 45,000.00 \$ 139,100,00 \$ 100,650.00 \$ 6,750.00 \$ 191,100.00 \$ 191,100.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - 5 - 5 - 5		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mebilization & Bonds   Mebilization & Bonds   Mebilization & Bonds   Mebilization & Bonds   Mebilization & Mebilization & Medication & Medication	LS LS LF LF LF LF EA EA EA EA EA EA EA	1 1 18,209 820 145 1,500 15 65 55 45 10 35 35	\$ 80,000,00 \$ 20,000,00 \$ 65,00 \$ 120,00 \$ 120,00 \$ 16,00 \$ 1,000,00 \$ 1,500,00 \$ 1,250,00 \$ 100,00 \$ 100,00 \$ 100,00 \$ 2,750,00 \$ 100,00 \$ 300,00	\$ 80,000,00 \$ 20,000,00 \$ 1,183,000,00 \$ 98,400,00 \$ 43,500,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 15,000,00 \$ 86,750,00 \$ 1,000,00 \$ 1,000,00 \$ 1,500,00 \$ 1,5	\$ 20,000,00 \$ 55,00 \$ 100,00 \$ 495,00 \$ 30,00 \$ 3,000,00 \$ 1,830,00 \$ 10,00 \$ 10,00 \$ 1,000,00 \$ 1,400,00 \$ 1,400,00 \$ 1,400,00 \$ 1,400,00 \$ 1,400,00	\$ 20,000,00 \$ 1,001,000,00 \$ 82,000,00 \$ 63,075,00 \$ 45,000,00 \$ 139,100,00 \$ 100,650,00 \$ 10,050,00 \$ 10,050,00 \$ 11,100,00 \$ 12,775,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purplink Floral Blanching and rephase with 6-linch HOPE DR11 PEd710  204 Furnish & Install 6-linch PVC Water Line C-600 (DR1-lin) or HDPE DR11 PEd710 by open out  205 Furnish & Install 4-linch PVC Water Line C-600 or HoPE DR11 PEd710 by open out  206 Furnish & Install & Minish Linch Linch Linch Linch Temporary Fine Service  207 Furnish & Install & Minish Linch Riemon Minishma Linch Temporary Fine Service  208 Furnish and Install 3 Hosh Restlem Wedge Callar Valve  209 Furnish and Install 3 Hosh Restlem Wedge Callar Valve  201 Remon Stallar Blanch Restlem Wedge Callar Valve  210 Remon Stallar Blanch Restlem Wedge Callar Valve  211 Remon Stallar Blanch Restlem Wedge Callar Valve  212 Purnish & Install Linch Linch Linch Valve Allar Wedge Linch	LS LS LF LF LF EA EA EA EA EA EA EA EA EA	1 1 18,200 620 145 1,500 15 65 55 45 10 35 35 147 38	\$ 80,000.00   \$ 20,000.00   \$ 20,000.00   \$ 5	\$ 80,000,00   \$ 20,000,00   \$ \$ 1,188,000,00   \$ \$ 98,400,00   \$ \$ 43,500,00   \$ \$ 15,000,00   \$ \$ 15,000,00   \$ \$ 97,500,00   \$ \$ 68,750,00   \$ \$ 4,500,00   \$ \$ 1,000,00   \$ \$ 4,500,00   \$ \$ 4,500,00   \$ \$ 3,500,00   \$ \$ 3,500,00   \$ \$ 3,500,00   \$ \$ 3,500,00   \$ \$ 1,1600,00   \$ \$ 1,1	\$ 20,000.00 \$ 100.00 \$ 100.00 \$ 435.00 \$ 30,00 \$ 3,000.00 \$ 1,830.00 \$ 11,830.00 \$ 16,00 \$ 5,460.00 \$ 3,600.00 \$ 5,460.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00	\$ 20,000,00   \$ 3,000,00   \$ 82,000,00   \$ 82,000,00   \$ 45,000,00   \$ 45,000,00   \$ 139,100,00   \$ 100,650,00   \$ 17,750,00   \$ 191,100,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - 5 - 5 - 5		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mebitzation & Bonds	LS LS LS LF LF LF LF EA	1 1 18,200 820 146 1,500 15 65 55 45 10 35 36 147 38	\$ 80,000.00   \$ 70,000.00   \$ 9,000.00   \$ 120,00   \$ 100,00   \$ 100,00   \$ 11,000   \$ 11,000   \$ 11,000   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 100,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00   \$ 150,00	\$ 80,000,00   \$ 20,000,00   \$ \$ 1,185,000,00   \$ \$ 98,400,00   \$ \$ 98,400,00   \$ \$ 43,500,00   \$ \$ 15,000,00   \$ \$ 16,000,00   \$ \$ 68,750,00   \$ \$ 68,750,00   \$ \$ 1,000,00   \$ \$ \$ 1,000,00   \$ \$ \$ 6,500,00   \$ \$ \$ 3,500,00   \$ \$ \$ 6,500,00   \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ \$ 1,000,00   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 20,000.00 \$ 50,000 \$ 100.00 \$ 435.00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00 \$ 150,00 \$ 150,00 \$ 1,400,00 \$ 366.00 \$ 365.00 \$ 365.00 \$ 125.00	\$ 20,000.00   \$ 1,001,000.00   \$ 82,000.00   \$ 82,000.00   \$ 45,000.00   \$ 45,000.00   \$ 190,000   \$ 100,650.00   \$ 100,000   \$ 10,750.00   \$ 110,000.00   \$ 110,000.00   \$ 14,750.00   \$ 4,750.00   \$ 21,125,00   \$ 21,125,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purplink Floral Blanching and rephase with 6-linch HOPE DR11 PEd710  204 Furnish & Install 6-linch PVC Water Line C-600 (DR1-lin) or HDPE DR11 PEd710 by open out  205 Furnish & Install 4-linch PVC Water Line C-600 or HoPE DR11 PEd710 by open out  206 Furnish & Install & Minish Linch Linch Linch Linch Temporary Fine Service  207 Furnish & Install & Minish Linch Riemon Minishma Linch Temporary Fine Service  208 Furnish and Install 3 Hosh Restlem Wedge Callar Valve  209 Furnish and Install 3 Hosh Restlem Wedge Callar Valve  201 Remon Stallar Blanch Restlem Wedge Callar Valve  210 Remon Stallar Blanch Restlem Wedge Callar Valve  211 Remon Stallar Blanch Restlem Wedge Callar Valve  212 Purnish & Install Linch Linch Linch Valve Allar Wedge Linch	LS LS LF LF LF EA EA EA EA EA EA EA EA EA	1 1 18,200 620 145 1,500 15 65 55 45 10 35 35 147 38	\$ 80,000.00 \$ 20,000.00 \$ 5,000.00 \$ 120,00 \$ 120,00 \$ 15,00 \$ 1,000.00 \$ 1,250,00 \$ 100.00 \$ 100.00	\$ 80,000.00   \$ 20,000.00   \$ 1,18,900.00   \$ 98,400.00   \$ 98,400.00   \$ 22,000.00   \$ 15,500.00   \$ 15,500.00   \$ 15,500.00   \$ 15,000.00   \$ 15,000.00   \$ 15,000.00   \$ 15,000.00   \$ 15,000.00   \$ 15,000.00   \$ 17,000.00   \$ 17,000.00   \$ 17,000.00	\$ 20,000.00 \$ 100.00 \$ 100.00 \$ 435.00 \$ 30,00 \$ 3,000.00 \$ 1,830.00 \$ 11,830.00 \$ 16,00 \$ 5,460.00 \$ 3,600.00 \$ 5,460.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00 \$ 3,450.00	\$ 20,000.00   \$ 1,001,000.00   \$ 82,000,00   \$ 82,000,00   \$ 45,000,00   \$ 45,000,00   \$ 145,000,00   \$ 100,650,00   \$ 100,650,00   \$ 10,750,00   \$ 112,75,00   \$ 12,775,00   \$ 36,015,00   \$ 36,015,00   \$ 4,750,00   \$ 21,125,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purform Static Pipe Bursting and rephase with 6-linch HOPE DR11 PEd710  204 Furnish & Install 6-linch PVC Water Line C-600 (DR-16) or HDPE DR11 PEd710 by open out  205 Furnish & Install 4-linch PVC Water Line C-600 to 1500 (DR-16) or HDPE DR11 PEd710 by open out  206 Furnish & Install & Minishalt, and Riemous forman Linch Temporary Five Service  207 Furnish & Install & Minishalt, and Riemous forman Linch Temporary Five Service  208 Furnish and Install 3 Hosh Resident Wedge Costo Valve  209 Furnish and Install 3 Hosh Resident Wedge Costo Valve  210 Remote Statistics And Install 4-linch Resident Wedge Costo Valve  211 Remote Statistics And Install 4-linch Resident Wedge Costo Valve  212 Furnish & Install Land Five Five Hydrant Assambly  213 Remote Stippose Estistics Five Hydrant Assambly  214 Relocate & Adjust Efficing 1-loch or Vi-loch AMI Water Moter to Phall Groud & Location  215 Replace Estisting Mater Wind Fire Primithed 1-loch Mater Valve Pro Chale  216 Replace Estisting Mater Wind Fire Primithed 1-loch Mater per Chale  217 Furnish Assamlat 1-loch Buller Water Store Publish	LS LS LF LF LF LF EA	1 1 18,200 820 145 1,500 15 65 65 55 45 10 35 147 38 185	\$ 80,000.00 \$ 20,000.00 \$ 120,000 \$ 300,000 \$ 100,000 \$ 1,000,000 \$ 1,000,000 \$ 1,000,000 \$ 100,000 \$ 100,000 \$ 27,750,000 \$ 27,750,000 \$ 350,000 \$ 350,000 \$ 450,000 \$ 450,000 \$ 600,000 \$ 600,000	\$ 80,000,00   \$ 20,000,00   \$ 5 20,000,00   \$ 5 3,000,00   \$ 5 4,000,00   \$ 5 4,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 6,000,00   \$ 5 7,0	\$ 20,000.00 \$ 50,00 \$ 100,00 \$ 30,00 \$ 30,00 \$ 3,000,00 \$ 2,140,00 \$ 180,00 \$ 1,600,00 \$ 5,460,00 \$ 245,00 \$ 245,00 \$ 125,00 \$ 125,00 \$ 125,00	\$ 20,000,000   \$ 1,000,000   \$ \$ 20,000,000   \$ \$ 20,000,000   \$ \$ 30,075,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 100,050,000   \$ \$ 100,050,000   \$ \$ 1,000,000   \$ \$ 1,750,000   \$ \$ 12,775,000   \$ \$ 12,775,000   \$ \$ 12,775,000   \$ \$ 20,000,000   \$ \$ 4,760,000   \$ \$ 4,760,000   \$ \$ 4,760,000   \$ \$ 4,760,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ \$ 4,000,000   \$ \$ \$ \$ \$ 4,000,000   \$ \$ \$ \$ \$ \$ 4,000,000   \$ \$ \$ \$ \$ \$ 4,000,000   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
101 Mebitzation & Bonols 102 WMPPP 103 Perform Static Pips Birstling and rephtse with 8-leich HDPE DR11 PE4710 103 Perform Static Pips Birstling and rephtse with 8-leich HDPE DR11 PE4710 104 Perform Static Pips Birstling and Remote Temporary Flach Pips Pe4710 by open out 105 Furnish & Fristal 8-leich PVC Wither Line C800 (DirIli) nor HDPE DR11 PE4710 by open out 105 Furnish & Statid, Mehriak, and Remote Temporary Flach HDPE Water Line 106 Furnish and Instatil & Mehriak Peter Line C800 (DirIli) nor HDPE Water Line 107 Furnish and Instatil & Genth Readient Wedge Calle Vahin 108 Furnish and Instatil & Genth Readient Wedge Calle Vahin 109 Furnish and Instatil & Genth Readient Wedge Calle Vahin 110 Remote & Dispose Estiding Glasi Vahin & Borr 111 Remote & Dispose Estiding Glasi Vahin Water Wate	LS LS LS LF LF LF LF EA	1 1 18,200 820 146 1,500 15 65 55 45 10 35 36 147 38	\$ 80,000.00 \$ 20,000.00 \$ 120,000 \$ 300,000 \$ 100,000 \$ 1,000,000 \$ 1,000,000 \$ 1,000,000 \$ 100,000 \$ 100,000 \$ 27,750,000 \$ 27,750,000 \$ 350,000 \$ 350,000 \$ 450,000 \$ 450,000 \$ 600,000 \$ 600,000	\$ 80,000.00   \$ 2,000.00   \$ 5 1,000.00   \$ 5 1,000.00   \$ 5 9,000	\$ 20,000.00 \$ 50,000 \$ 100.00 \$ 435.00 \$ 3,000,00 \$ 2,140,00 \$ 1,830,00 \$ 150,00 \$ 150,00 \$ 150,00 \$ 1,400,00 \$ 366.00 \$ 365.00 \$ 365.00 \$ 125.00	\$ 20,000,000   \$ 20,000,000   \$ \$ 20,000,000   \$ \$ 20,000,000   \$ \$ 40,000,000   \$ \$ 45,000,000   \$ \$ 190,000,000   \$ 100,650,000   \$ 100,650,000   \$ 100,650,000   \$ 100,650,000   \$ 100,000,000   \$ 100,000,000   \$ 21,775,000   \$ 12,775,000   \$ 22,125,00   \$ 4,000,000   \$ 5,000   \$ 4,000,000   \$ 5,000   \$ 4,000,000   \$ 5,000   \$ 5,000   \$ 4,000,000   \$ 5,000   \$ 5,000   \$ 5,000   \$ 5,000   \$ 5,000   \$ 6,000		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purplish & Install & Reich PVC Water Line C 550 (JRK-18) or HDPE CR11 PE4710  204 Furnish & Install & Reich PVC Water Line C 500 (JRK-18) or HDPE CR11 PE4710 by open out  205 Furnish & Install & Antial Pearl PVC Water Line C 500 (JRK-18) or HDPE CR11 PE4710 by open out  206 Furnish & Install & Minish Line And Remove for Emporary & Beich HDPE Water Line  207 Furnish & Install & Minish Line And Remove Information Line To Imporary Five Service  208 Furnish and Install & Beich Resident Wedge Catal Valve  209 Furnish and Install & Beich Resident Wedge Catal Valve  210 Remove & Dispose Existent Water Wedge Catal Valve  211 Remove & Dispose Existent Water Water Catalle Valve  212 Furnish & Install Land Five Five Hydrant Assambly  213 Remove & Dispose Existent Resident Valve (Line Catalle Valve Marchael Catalle Valve Catalle Valve Marchael Catalle Valve Catalle Valve Catalle Valve Marchael Catalle Valve Catalle Valve V	LS LS LF LF LF LF EA	1 1 1 18,200 620 1446 1,500 155 65 55 45 10 35 35 185 1 185 1 185 97	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 100,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 100,	\$ 80,000.00   \$ 1,055,000.00   \$ 1,055,000.00   \$ 5 1,055,000.00   \$ 5 4,500.00   \$ 5 4,500.00   \$ 5 4,500.00   \$ 5 5,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 7,000.00   \$ 7,000.00   \$ 5 7,000.00   \$ 7,0	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 100.00   \$ 3,000.00   \$ 3,000.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 1,900.00	\$ 2,000,000   \$ 2,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ 193,100,000   \$ \$ \$ 193,100,000   \$ \$ 193,100,000		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -		3 - 3 - 5 - 3 - 5 - 5 - 5 -		
101 Mebitzation & Bonols 102 WMPPP 103 Perform Static Pips Birstling and rephtse with & linch HDPE DR11 PE4710 103 Perform Static Pips Birstling and rephtse with & linch HDPE DR11 PE4710 104 Perform Static Pips Birstling and Remote Temporary Flanch HDPE DR11 PE4710 by open out 105 Periods in Festal Birstlin Festal Perform Performant Celebration From Petrol	LS LS LF LF LF LF EA	1 1 18,200 820 1446 1,500 155 65 55 55 100 35 147 38 185 1 185 97 15 15	\$ 80,000,00 \$ 20,000,00 \$ 85,00 \$ 120,00 \$ 100,00 \$ 1,000,00 \$ 1,000,00 \$ 1,500,00 \$ 1,500,00 \$ 100,00 \$ 100,00 \$ 100,00 \$ 2,750,00 \$ 100,00 \$ 450,00 \$ 600,00 \$ 600,00 \$ 600,00 \$ 600,00 \$ 600,00 \$ 600,00 \$ 600,00 \$ 600,00	\$ 80,000.00   \$ 2,000.00   \$ 5 1,155,000.00   \$ 5 4,550.00   \$ 5 4,550.00   \$ 5 4,550.00   \$ 5 4,550.00   \$ 5 4,550.00   \$ 5 5,550.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 6,750.00   \$ 5 7,000.00   \$ 7,000.00	\$ 20,000.00   55,00   65,00	\$ 20,000.00 \$ 1,000,000.00 \$ \$ 20,000.00 \$ \$ 45,000.00 \$ \$ 45,000.00 \$ \$ 45,000.00 \$ \$ 12,750.00 \$ \$ 123,100.00 \$ \$ 123,100.00 \$ \$ 172,750.00 \$ \$ 12,775.00 \$ \$ 4,760.00 \$ \$ 4		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purplish A Install E-Ripe Burstling and rephase with 8-linch HOPE DR11 PEd 710  204 Furnish & Install & Rich PVC Water Line C-600 (DR-16) or HOPE DR11 PEd 710  205 Furnish & Install & Rich PVC Water Line C-600 or HOPE DR11 PEd 710 by open out  206 Furnish & Install & Minish Link American Furnish Link Company Fund Service  207 Furnish & Install & Minish Link Company & Bench HOPE Water Line  208 Furnish and Install & Bench Rection Widergo Casto Valve  209 Furnish and Install & Bench Rection Widergo Casto Valve  200 Furnish and Install & Bench Rection Widergo Casto Valve  210 Rection & Dispose Edition Water Water Casto Casto Rection Conflict with pavement existignate  211 Remova & Dispose Edition Valve with Assambly  212 Purnish & Install Land Fine Fire Hydrant Assambly  213 Remova & Dispose Edition Fire Virol Per Hydrant Assambly  214 Relocate & Adjust E-Risting Heart On Mark Casto Mark Water Marker Prival Graud & Location  215 Replace Edition Marker Wide Fire Review From Mark to Maker  216 Replace Edition Marker Wide Fire Review From Mark to Maker  217 Furnish & Install Herbs Bloom Water Service From Mark to Maker  218 Replace Edition Marker Wide Service From Mark to Maker  219 Furnish & Install Herbs Bloom Water Service From Marker to Prival Graud & Location  220 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  221 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  222 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  223 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  224 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  225 Rections Edition Marker Wide Service From Marker to Prival Graud & Location	LS LS LF LF LF EA	1 1 18,200 620 1445 15.000 155 55 45 100 35 145 185 185 185 197 155 97	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 120,00 \$ 100,00 \$ 1,000,000 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,00	\$ 80,000.00   \$ 1,055,000.00   \$ 1,055,000.00   \$ 5 1,055,000.00   \$ 5 4,500.00   \$ 5 4,500.00   \$ 5 5,500.00   \$ 5 5,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 6,500.00   \$ 5 7,000.00   \$ 7,000.00   \$ 5 7,000.00   \$ 7,0	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 100.00   \$ 3,000.00   \$ 3,000.00   \$ 3,000.00   \$ 1,830.00   \$ 1,830.00   \$ 1,800.00   \$ 1,000.00   \$ 1,000.00   \$ 3,65.00   \$ 125.00   \$ 125.00   \$ 125.00   \$ 125.00   \$ 1,000.00   \$ 1,000.00   \$ 1,000.00   \$ 1,000.00   \$ 3,000.00   \$ 1,00	\$ 20,000.00   \$ 1,000,000.00   \$ \$ 2,000.00   \$ \$ 2,000.00   \$ \$ 40,000.00   \$ \$ 40,000.00   \$ \$ 40,000.00   \$ \$ 100,560.00   \$ \$ 100,000.00   \$ \$ 100,000.00   \$ \$ 1775.00   \$ \$ 1775.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 4,780.00   \$ \$ 5 5 10,465.00   \$ \$ 10,565.00   \$ \$ 4,785.00   \$ \$ 10,565.0		\$ - \$ - \$ - \$ - \$ - \$ - \$ 5 - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$		5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
101 Mebitzation & Bonols 102 WMPPP 103 Perform Static Pips Birstling and rephtse with & linch HDPE DR11 PE4710 103 Perform Static Pips Birstling and rephtse with & linch HDPE DR11 PE4710 104 Perform Static Pips Birstling and Remote Temporary Flanch HDPE DR11 PE4710 by open out 105 Periods in Festal Birstlin Festal Perform Performant Celebration From Petrol	LS LS LF LF LF LF EA	1 1 18,200 620 1445 15.000 155 55 45 100 35 145 185 185 185 197 155 97	\$ 80,000,00 \$ 20,000,00 \$ 120,00 \$ 120,00 \$ 100,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 100,00 \$ 100,00 \$ 100,00 \$ 2,750,00 \$ 200,00 \$ 450,00 \$ 600,00 \$ 600,00	\$ 80,000.00 \$ 10,000.00 \$ 1,145,000.00 \$ 9,45,000.00 \$ 145,000.00 \$ 16,000.00 \$ 17,000.00 \$ 111,000.00 \$ 111,000.00 \$ 110,000.00	\$ 20,000,00 5 55,00 55,00 5 55,00 5 55,00 5 55,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 5 60,00 5 6 60	\$ 20,000,000   \$ 1,000,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 159,100,000   \$ \$ 100,000,000   \$ \$ 191,100,000   \$ \$ 191,100,000   \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Purplish A Install E-Ripe Burstling and rephase with 8-linch HOPE DR11 PEd 710  204 Furnish & Install & Rich PVC Water Line C-600 (DR-16) or HOPE DR11 PEd 710  205 Furnish & Install & Rich PVC Water Line C-600 or HOPE DR11 PEd 710 by open out  206 Furnish & Install & Minish Link American Furnish Link Company Fund Service  207 Furnish & Install & Minish Link Company & Bench HOPE Water Line  208 Furnish and Install & Bench Rection Widergo Casto Valve  209 Furnish and Install & Bench Rection Widergo Casto Valve  200 Furnish and Install & Bench Rection Widergo Casto Valve  210 Rection & Dispose Edition Water Water Casto Casto Rection Conflict with pavement existignate  211 Remova & Dispose Edition Valve with Assambly  212 Purnish & Install Land Fine Fire Hydrant Assambly  213 Remova & Dispose Edition Fire Virol Per Hydrant Assambly  214 Relocate & Adjust E-Risting Heart On Mark Casto Mark Water Marker Prival Graud & Location  215 Replace Edition Marker Wide Fire Review From Mark to Maker  216 Replace Edition Marker Wide Fire Review From Mark to Maker  217 Furnish & Install Herbs Bloom Water Service From Mark to Maker  218 Replace Edition Marker Wide Service From Mark to Maker  219 Furnish & Install Herbs Bloom Water Service From Marker to Prival Graud & Location  220 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  221 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  222 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  223 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  224 Rections Edition Marker Wide Service From Marker to Prival Graud & Location  225 Rections Edition Marker Wide Service From Marker to Prival Graud & Location	LS LS LF LF LF EA	1 1 18,200 620 1445 65 55 45 100 147 385 185 1 185 1 195 97 15 9 24	\$ 80,000.00 \$ 20,000.00 \$ 65,00 \$ 120,00 \$ 120,00 \$ 100,00 \$ 1,000,000 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,000,00 \$ 1,00	\$ 80,000.00 \$ 10,000.00 \$ 1,145,000.00 \$ 9,45,000.00 \$ 145,000.00 \$ 16,000.00 \$ 17,000.00 \$ 111,000.00 \$ 111,000.00 \$ 110,000.00	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 100.00   \$ 3,000.00   \$ 3,000.00   \$ 3,000.00   \$ 1,830.00   \$ 1,830.00   \$ 1,800.00   \$ 1,000.00   \$ 1,000.00   \$ 3,65.00   \$ 125.00   \$ 125.00   \$ 125.00   \$ 125.00   \$ 1,000.00   \$ 1,000.00   \$ 1,000.00   \$ 1,000.00   \$ 3,000.00   \$ 1,00	\$ 20,000,000   \$ 1,000,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 159,100,000   \$ \$ 100,000,000   \$ \$ 191,100,000   \$ \$ 191,100,000   \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,000   \$ \$ \$ 4,720,00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Perform Static Pipa Bursting and rephase with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lesh PVC Water Line C-600 (DR-16) or HOPE DR11 PEd 710  205 Furnish & Install 6-lesh PVC Water Line C-600 to Static Pipa Bursting and rephase with 6-lesh HOPE Water Line C-600 to Static Pipa Bursting American Static Pipa Bursting Company Seach HOPE Water Line C-600 to Furnish & Install American Static Remove Minimum Lost Temporary Fire Services  206 Furnish and Install 8-lesh Resident Wedge Callar Valbe  207 Furnish and Install 8-lesh Resident Wedge Callar Valbe  208 Furnish and Install 8-lesh Resident Wedge Callar Valbe  209 Furnish and Install 8-lesh Resident Wedge Callar Valbe  210 Furnish and Install 8-lesh Burstine Wedge Callar Valbe  211 Remove Stigoses Estision Furnish Water Seas Seas Seas Seas Seas Seas Seas Seas	LS LS LF LF LF EA	1 1 18,200 620 145 1,500 15 55 45 10 35 147 38 185 17 15 66 97 15 9 2 24 19 9	\$ 80,000,00   \$ 20,000,00   \$ 20,000,00   \$ \$ 65,00   \$ \$ 10,000   \$ 10,000	\$ 80,000.00   \$ 1,050,000.00   \$ 1,050,000.00   \$ 5 1,050,000.00   \$ 5 4,500,00   \$ 5 4,500,00   \$ 5 4,500,00   \$ 5 5,500,00   \$ 5 6,500,00   \$ 5 6,500,00   \$ 5 6,500,00   \$ 5 1,000,00   \$ 1,000,00   \$	\$ 20,000,00   55,00   65,00	\$ 20,000 of \$ 1,000 of \$ \$ 2,000 of \$ \$ \$ 2,000 of \$ \$ \$ 45,000 of \$ \$ \$ 47,750 of \$ \$ \$ 40,000 of \$ \$ \$ 47,750 of \$ \$ \$ 2,240 of \$ \$ \$ \$ 2,240 of \$ \$ \$ \$ \$ 2,240 of \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mebitzation & Bonols	LS LS LS LF LF LF LF LF EA	1 1 18,200 620 145 145 1500 155 155 150 100 147 28 165 165 165 165 165 165 165 165 165 165	\$ 80,000.00 \$ 2000.00 \$ 120.00 \$ 120.00 \$ 120.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 100.00 \$	\$ 80,000.00 \$ 10,000.00 \$ 1,145,000.00 \$ 1,145,000.00 \$ 2,500.00 \$ 45,500.00 \$ 5 7,000.00 \$ 68,750.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 11,000.00	\$ 2000000   10000000000000000000000000000	\$ 20,000,000   \$ 1,000,000,000   \$ 8,000,000   \$ 8 45,000,000   \$ 8 45,000,000   \$ 8 45,000,000   \$ 8 45,000,000   \$ 8 45,000,000   \$ 8 100,850,000   \$ 9 100,850,000   \$ 100,		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mobilization & Bornols  201 Mobilization & Bornols  202 SWPPP  203 Perform Static Pipe Bursting and rephose with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lesh PVC Water Line C-600 (DR-16) or HOPE DR11 PEd 710  205 Furnish & Install 6-lesh PVC Water Line C-600 to Static Pipe Bursting and rephose out of Furnish & Install 4-lesh PVC Water Line C-600 to Static Pipe Bursting Color Purels & Install 4-lesh PVC Water Line C-600 to Temporary Fire Structor  205 Furnish and Install 8-lesh Resident Wedge Callar Valbe  206 Furnish and Install 8-lesh Resident Wedge Callar Valbe  207 Furnish and Install 8-lesh Resident Wedge Callar Valbe  208 Furnish and Install 8-lesh Resident Wedge Callar Valbe  219 Furnish and Install 8-lesh Resident Wedge Callar Valbe  210 Furnish & Struttal Lead Fires Fire Hydrant Assambly  211 Remove & Elizopes Elizipa Fire Vallar Assambly  212 Furnish & Install Lead Fires Fire Hydrant Assambly  213 Remove & Elizopes Elizipa Fires Very Burnished 1-lesh Maller Box  214 Resident & Adjust Elizab Fires Fire Hydrant Assambly  215 Replace Entering Maler Work Port Purnished 1-lesh Maller Box  216 Furnish & Install 1-lesh Bellard Water Sweeter from Main to Maler  217 Furnish & Install 1-lesh Bellard Water Sweeter from Main to Maler  218 Furnish & Install 1-lesh Bellard Water Sweeter from Main to Maler  219 Replace Editing Maler Sweet Water Sweeter from Main to Maler  220 Replace Editing Maler Sweet More Furnished 2-lesh Maler Box  221 Replace Editing Maler Sweet Form Main to Maler  222 Replace Editing Maler Sweet Form Main to Maler  223 Replace Editing Maler Sweet Form Main to Maler  224 Furnish & Maler Maler Sweete from Main to Maler  225 Furnish & Maler Maler Sweete from Main to Maler  226 Furnish & Maler Maler Sweeter from Main to Maler  227 Furnish & Maler Maler Sweeter from Main to Maler  228 Furnish & Maler Maler Sweeter from Main to Maler  229 Furnish & Maler Maler Sweeter from Main to Maler  220 Furnish & Maler Maler Sweeter from Main to Maler  220 Furnish & Maler Maler Sweeter from Main to Mal	LS LS LS LS LS LF LF LF LF EA	1 1 18,200 620 1146 1250 1250 1250 1250 1250 1250 1250 1250	\$ 80,000.00   \$ 20,000.00   \$ 120,000   \$ 120,000   \$ 120,000   \$ 120,000   \$ 1,000,00   \$ 1,000	\$ 80,000.00   \$ 1,050,000.00   \$ 1,050,000.00   \$ 5 1,050,000.00   \$ 6 45,000.00   \$ 6 45,000.00   \$ 75,000.00   \$	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 100.00   \$ 2 3,000.00   \$ 3 3,000.00   \$ 3 3,000.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 1,800.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 4,000.00   \$ 3 5 4,000.00   \$ 3 15,00   \$ 3 15,00   \$ 3 15,00   \$ 3 1,000.00   \$ 3 1,	\$ 20,000 of \$ 1,000 of \$ \$ 2,000 of \$ \$ \$ 2,000 of \$ \$ \$ 45,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ \$ 40,000 of \$ \$ \$ 2,245 of \$ \$ \$ \$ 2,245 of \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mebitation & Bonds	LS LS LS LS LS LF LF LF LF EA	1 1 18,200 820 146 1500 150 150 150 150 150 150 150 150 15	\$ 600,000   \$ 700,000   \$ 8 65,00   \$ 9 700,000   \$ 9 700,000   \$ 100,00   \$	\$ 80,000.00 \$ 10,000.00 \$ 1,145,000.00 \$ 5,145,000.00 \$ 5,145,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 11,000.	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 3 30.00   \$ 3 30.00   \$ 3 30.00   \$ 5 3.00.00   \$ 5 1,000.00   \$ 5 1,000.00   \$ 5 1,000.00   \$ 5 4,000.00   \$ 6 2,000.00   \$ 7 1,000.	\$ 20,000,000   \$ 1,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ \$ \$ 100,000   \$ \$ \$ \$ \$ 100,000   \$ \$ \$ \$ \$ 100,000   \$ \$ \$ \$ \$ 100,000   \$ \$ \$ \$ \$ \$ 100,000   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
101 Mebitzation & Bornols 102 SWPPP 103 Werdern State Pipe Bursting and rephase with 6-lock HOPE DR11 PEd 710 104 Furnish & Install 6-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 105 Furnish & Install 6-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 by open out 106 Furnish & Install 4-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 by open out 106 Furnish & Install Mehriaha, and Remove Memorian Christ Temporary Fire Services 106 Furnish and Install 8-linch Resident Wedge Gater Valve 107 Furnish & Install Mehriaha (DR H) or Hope Care Property Fire Services 108 Furnish and Install 8-linch Resident Wedge Gater Valve 109 Furnish and Install 8-linch Resident Wedge Gater Valve 110 Furnish & Install Linch Linch Linch Valve (DR H) or Hope Care Property Fire Services 111 Remove & Dispose Estiting Black Valve & Dec 112 Furnish & Install Linch Estiting Linch or Valve AMW Water Meter for Final Grauf & Liceation 113 Remove & Dispose Estiting Black Valve & Hope Final Grauf & Liceation 114 Replace Estiting Meter Mort (Dr Furnished Linch Mehre Box 115 Replace Estiting Meter Mort (Dr Furnished Linch Mehre Box 116 Furnish & Install Linch Black Valve Gave Cere Install to Mehre Dec 112 Ped Final Grauf & Liceation 117 Furnish & Install Linch Black Valve Gave Cere Install to Mehre 118 Replace Estiting Meter Work (Dr Furnished Linch Mehre Box 119 Furnish & Install Linch Black Valve Gave Cere Install to Mehre 119 Furnish & Install Linch Short Water Gave Cere Install Am to Mehre 120 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 121 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 122 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 123 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 124 Furnish & Install Linch Black Valve Gave Cere Install Am to Mehrer 125 Replace Estiting Meter Work (Dr Furnished Short Mehrer Mox Mehrer Mehrer Pox 126 Furnish & Install Linch Black Valve Gave Cere Install Am to Mehrer 127 Remove Estiting Auch Mehrer Valve Furnish & Install Auch Mehrer Pox	LS LS LS LS LS LS LF LF LF LF LF LF LS EA	1 1 18,200 620 145 145 150 150 150 150 150 150 150 150 150 15	\$ 6000000 \$ 7000000 \$ 800000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 90000000 \$ 900000000 \$ 90000000000	\$ 80,000.00   \$ 1,185,000.00   \$ 1,185,000.00   \$ 5 1,855,000.00   \$ 45,000.00   \$ 5 45,000.00   \$ 5 5,000.00   \$ 6 75,000.00   \$ 6 75,000.00   \$ 6 75,000.00   \$ 75,000.00   \$ 75,000.00   \$ 100,000   \$ 111,000.00   \$ 111,000.00   \$ 100,000   \$ 10	\$ 70,000 or 10 or	\$ 20,000 of \$ 1,000 of \$ \$ 2,000 of \$ \$ \$ 2,000 of \$ \$ \$ 45,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ \$ \$ 40,000 of \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
101 Mebitzation & Bornols 102 SWPPP 103 Werdern State Pipe Bursting and rephase with 6-lock HOPE DR11 PEd 710 104 Furnish & Install 6-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 105 Furnish & Install 6-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 by open out 106 Furnish & Install 4-licks PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 by open out 106 Furnish & Install Mehriaha, and Remove Memorian Christ Temporary Fire Services 106 Furnish and Install 8-linch Resident Wedge Gater Valve 107 Furnish & Install Mehriaha (DR H) or Hope Care Property Fire Services 108 Furnish and Install 8-linch Resident Wedge Gater Valve 109 Furnish and Install 8-linch Resident Wedge Gater Valve 110 Furnish & Install Linch Linch Linch Valve (DR H) or Hope Care Property Fire Services 111 Remove & Dispose Estiting Black Valve & Dec 112 Furnish & Install Linch Estiting Linch or Valve AMW Water Meter for Final Grauf & Liceation 113 Remove & Dispose Estiting Black Valve & Hope Final Grauf & Liceation 114 Replace Estiting Meter Mort (Dr Furnished Linch Mehre Box 115 Replace Estiting Meter Mort (Dr Furnished Linch Mehre Box 116 Furnish & Install Linch Black Valve Gave Cere Install to Mehre Dec 112 Ped Final Grauf & Liceation 117 Furnish & Install Linch Black Valve Gave Cere Install to Mehre 118 Replace Estiting Meter Work (Dr Furnished Linch Mehre Box 119 Furnish & Install Linch Black Valve Gave Cere Install to Mehre 119 Furnish & Install Linch Short Water Gave Cere Install Am to Mehre 120 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 121 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 122 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 123 Replace Estiting Meter Work (Dr Furnished Short Mehre Mox 124 Furnish & Install Linch Black Valve Gave Cere Install Am to Mehrer 125 Replace Estiting Meter Work (Dr Furnished Short Mehrer Mox Mehrer Mehrer Pox 126 Furnish & Install Linch Black Valve Gave Cere Install Am to Mehrer 127 Remove Estiting Auch Mehrer Valve Furnish & Install Auch Mehrer Pox	LS LS LS LS LS LF LF LF LF EA	1 1 18,200 820 146 1500 150 150 150 150 150 150 150 150 15	\$ 600,000   \$ 700,000   \$ 8 65,00   \$ 9 700,000   \$ 9 700,000   \$ 100,00   \$	\$ 80,000.00   \$ 1,185,000.00   \$ 1,185,000.00   \$ 5 1,855,000.00   \$ 45,000.00   \$ 5 45,000.00   \$ 5 5,000.00   \$ 6 75,000.00   \$ 6 75,000.00   \$ 6 75,000.00   \$ 75,000.00   \$ 75,000.00   \$ 100,000   \$ 111,000.00   \$ 111,000.00   \$ 100,000   \$ 10	\$ 20,000.00   \$ 100.00   \$ 100.00   \$ 3 30.00   \$ 3 30.00   \$ 3 30.00   \$ 5 3.00.00   \$ 5 1,000.00   \$ 5 1,000.00   \$ 5 1,000.00   \$ 5 4,000.00   \$ 6 2,000.00   \$ 7 1,000.	\$ 20,000 of \$ 1,000 of \$ \$ 2,000 of \$ \$ \$ 2,000 of \$ \$ \$ 45,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ 40,000 of \$ \$ \$ 47,75 of \$ \$ \$ \$ 40,000 of \$ \$ \$ \$ 47,75 of \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mebitzation & Bornds	LS LS LS LS LS LS LF LF LF LF LF LF LS EA	1 1 18,200 820 146 145 15 16 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	\$ 6,000000 \$ 700000 \$ 8 6,000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 700000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 7000000 \$ 9 70000000 \$ 9 700000000000000000000000000000000000	\$ 80,000.00 \$ 10,000.00 \$ 1,115,000.00 \$ 5,115,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 7,500.00 \$ 7,500.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 11,000	\$ 70,000 or 10 or	\$ 20,000,000   \$ 1,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ 4,000,000   \$ \$ \$ \$ 4,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ 6,000,000   \$ \$ \$ \$ 6,000,000   \$ \$ 6,000,000   \$ \$ \$ 6,000,000   \$ \$ \$ 6,000,000   \$ \$ \$ 6,000,000		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mobilization & Borno's  201 Mobilization & Borno's  202 SWYPP  203 Perform Static Pipe Bursting and rephice with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lick PVC Water Line C-600 (DR-H) or HOPE DR11 PEd 710  205 Furnish & Install 6-lick PVC Water Line C-600 to Perform Static Pipe Bursting and rephice with 6-lock HOPE DR11 PEd 710  206 Furnish & Install American Water Line C-600 to Perform Static Pipe Bursting American Performance Pipe Bursting American Pipe Pipe Pipe Bursting American Pipe Bursting American Pipe Pipe Bursting American Pipe Pipe Pipe Bursting American Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe	LS L	1 1 18,200 620 146 520 146 55 55 55 55 55 55 55 55 55 55 55 55 55	\$ 6000000 \$ 7000000 \$ 800000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 900000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 90000000000	\$ 80,000.00 \$ 1,118,000.00 \$ 1,118,000.00 \$ 2,000.00 \$ 2,000.00 \$ 3,000.00 \$ 3,000.00 \$ 4,500.00 \$ 5,000.00 \$ 6,750.00 \$ 6,750.00 \$ 1,000.00 \$	\$ 70,000 or 10 or	\$ 20,000,000   \$ 1,000,000   \$ 8 2,000,000   \$ 9 45,000,000   \$ 145,000,000   \$ 145,000,000   \$ 145,000,000   \$ 145,000,000   \$ 100,000   \$ 100,000   \$ 175,000   \$ 175,000   \$ 12,775,000   \$ 12,775,000   \$ 14,725,000   \$ 12,725,000   \$ 14,725,000		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		
Mebitzation & Bornds	LS L	1 1 18,200 620 145 620 145 620 145 65 65 65 65 65 65 65 65 65 65 65 65 65	\$ 6,000000 \$ 700000 \$ 8 6,0000 \$ 9 70000 \$ 9 70000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000000 \$ 100000000 \$ 10000000000	\$ 80,000.00 \$ 1,115,000.00 \$ 1,155,0	\$ 2000000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   50000000   8   50000000   8   500000000   8   5000000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 4,750,000   \$ \$ \$ 4,750,000   \$ \$ \$ 4,750,000   \$ \$ \$ 4,550,000   \$ \$ \$ 4,550,000   \$ \$ \$ \$ 4,550,000   \$ \$ \$ \$ \$ 10,000   \$ \$ \$ \$ \$ 10,000   \$ \$ \$ \$ \$ 1,000   \$ \$ \$ \$ \$ \$ 1,000   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mobilization & Bornols  201 Mobilization & Bornols  202 SWYPP  203 Perform Static Pipe Bursting and rephone with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710  205 Furnish & Install 6-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710 by open out  206 Furnish & Install A-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710  207 Furnish & Install A-leich PVC Water Line C 600 (DR-In) or HOPE Water Line  208 Furnish and Install 3 Horsh Resident Wedge Cater Value  209 Furnish and Install 3 Horsh Resident Wedge Cater Value  200 Furnish and Install 3 Horsh Resident Wedge Cater Value  201 Furnish and Install 3 Horsh Resident Wedge Cater Value  210 Furnish and Install 3 Horsh Resident Wedge Cater Value  211 Remove Stippose Esistent Value S Dor  212 Furnish & Install Land Free Fire Hydrant Assambly  213 Remove & Dispose Esistent Fire Hydrant Assambly  214 Release & Adjust Esistent Fire Hydrant Assambly  215 Remove & Dispose Esistent Fire Hydrant Assambly  216 Remove Esistent Marker Work (Dr.) Furnished 1-leich Marker Bor  217 Furnish & Install 1-leich Bellard Water Sweet Cent Marker Dor  218 Furnish & Install 1-leich Bellard Water Sweet Cent Marker Dor  219 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  210 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  211 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  212 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  213 Remove Esisting Askern Morker Sweet Form Marker Delaid  214 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  215 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  216 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  217 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  218 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  219 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  210 Furnish & Install 1-leich Bellard Bellard Delaid De	LS L	1 1 18,200 620 620 620 620 620 620 620 620 620	\$ 6000000 \$ 700000 \$ 80000 \$ 9000000 \$ 9000000 \$ 90000000 \$ 90000000000	\$ 80,000.00 \$ 1,118,000.00 \$ 1,118,000.00 \$ 2,000.00 \$ 2,000.00 \$ 3,000.00 \$ 3,000.00 \$ 3,000.00 \$ 4,000.00 \$ 4,000.00 \$ 4,000.00 \$ 5,000.00 \$ 6,000.00 \$ 1,000.00 \$	\$ 70,000 or 10 or	\$ 20,000 of 5 \$ 1,000 of 5 \$ 2,000 of 5 \$ 2,		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
Mebitzation & Bornds		1 1 18,200 620 145 620 145 620 145 65 65 65 65 65 65 65 65 65 65 65 65 65	\$ 6,000000 \$ 700000 \$ 8 6,000 \$ 9 70000 \$ 9 70000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 10000000 \$ 100000000 \$ 1000000000 \$ 10000000000	\$ 80,000.00 \$ 10,000.00 \$ 1,115,000.00 \$ 5,115,000.00 \$ 5,15,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 111,000.	\$ 2000000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   50000000   8   50000000   8   500000000   8   5000000000   8   50000000000	\$ 20,000 of 5 \$ 1,000 of 5 \$ 2,000 of 5 \$ 2,		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mobilization & Bornols  201 Mobilization & Bornols  202 SWYPP  203 Perform Static Pipe Bursting and rephone with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710  205 Furnish & Install 6-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710 by open out  206 Furnish & Install A-leich PVC Water Line C 600 (DR-In) or HOPE OR11 PEd 710  207 Furnish & Install A-leich PVC Water Line C 600 (DR-In) or HOPE Water Line  208 Furnish and Install 3 Horsh Resident Wedge Cater Value  209 Furnish and Install 3 Horsh Resident Wedge Cater Value  200 Furnish and Install 3 Horsh Resident Wedge Cater Value  201 Furnish and Install 3 Horsh Resident Wedge Cater Value  210 Furnish and Install 3 Horsh Resident Wedge Cater Value  211 Remove Stippose Esistent Value S Dor  212 Furnish & Install Land Free Fire Hydrant Assambly  213 Remove & Dispose Esistent Fire Hydrant Assambly  214 Release & Adjust Esistent Fire Hydrant Assambly  215 Remove & Dispose Esistent Fire Hydrant Assambly  216 Remove Esistent Marker Work (Dr.) Furnished 1-leich Marker Bor  217 Furnish & Install 1-leich Bellard Water Sweet Cent Marker Dor  218 Furnish & Install 1-leich Bellard Water Sweet Cent Marker Dor  219 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  210 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  211 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  212 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  213 Remove Esisting Askern Morker Sweet Form Marker Delaid  214 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  215 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  216 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  217 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  218 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  219 Furnish & Install 1-leich Bellard Water Sweet Form Marker Delaid  210 Furnish & Install 1-leich Bellard Bellard Delaid De	LS L	1 1 18,200 620 620 620 620 620 620 620 620 620	\$ 6,000000 \$ 700000 \$ 8 6,000 \$ 9 70000 \$ 9 70000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 1000000 \$ 10000000 \$ 100000000 \$ 1000000000 \$ 10000000000	\$ 80,000.00 \$ 10,000.00 \$ 1,115,000.00 \$ 5,115,000.00 \$ 5,15,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 6,45,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 111,000.	\$ 70,000 or 10 or	\$ 20,000,00   \$ 1,000,000   \$ \$ 2,000,000   \$ \$ \$ 2,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 4,000,000   \$ \$ 4,000,000   \$ \$ 100,000   \$ \$		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mobilization & Borno's  202 SWYPP  203 Or Perform Static Pipe Bursting and rephase with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lech PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710  205 Furnish & Install 6-lech PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710  206 Furnish & Install 4-lech PVC Water Line C 600 (DR-H) or HOPE DR11 PEd 710 by open out.  206 Furnish & Install American American Furnish Line Company Fine More Dr12  206 Furnish & Install American Line Green Minimum Line To Improvay Fine Service  206 Furnish and Install 8-lech Bestlern Wedge Gata Value  207 Furnish & Install Line American Wedge Gata Value  208 Furnish and Install 8-lech Bestlern Wedge Gata Value  209 Furnish and Install 8-lech Bestlern Wedge Gata Value  210 Furnish & Install Line American Wedge Gata Value  211 Report Statistics	LSS	1 1 18,200 820 820 820 820 820 820 820 820 820	\$ 6000000 \$ 7000000 \$ 800000 \$ 900000 \$ 900000 \$ 900000 \$ 9000000 \$ 9000000 \$ 9000000000 \$ 90000000000	\$ 80,000.00 \$ 1,148,000.00 \$ 1,148,000.00 \$ 2,000.00 \$ 1,160,000.00 \$ 2,000.00 \$ 16,000.00	\$ 70,000 or 10 or	\$ 20,000.00 \$ 1,000.00 \$ 9,000.00 \$ 9,000.00 \$ 140,000.00 \$ 140,000.00 \$ 140,000.00 \$ 140,000.00 \$ 140,000.00 \$ 160,000.00 \$ 160,000.00 \$ 160,000.00 \$ 160,000.00 \$ 160,000.00 \$ 160,000.00 \$ 140,000.00		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mebituation & Bornds	LS S LS	1 1 1 18,200 18,200 18,200 18,200 115 15 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	S	\$ 80,000.00 \$ 1,115,000.00 \$ 1,150,000.00	8 2000000   8   5000000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ 5 2,000,000   \$ 5 45,000,0		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mobilization & Borno's  202 SWYPP  203 Or Perform Static Pipa Bursting and rephose with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  205 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  206 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710 by open out  206 Furnish & Install Amelia Ped Install Ped Ins	LS CONTROL OF CONTROL	1 1 18,200 1 18,200 1 18,200 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 6000000 \$ 700000 \$ 80000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 90000000 \$ 900000000 \$ 90000000000	\$ 80,000.00 \$ 1,150,000.00 \$ 1,150,000.00 \$ 2,000.00 \$ 1,160,000.00 \$ 2,000.00 \$ 3,500.00 \$ 3,500.00 \$ 3,500.00 \$ 3,500.00 \$ 4,000.00 \$ 4,000.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00 \$ 6,000.00 \$ 7,000.00	\$ 70,000,000   \$ 100,000   \$ 100,000   \$ 100,000   \$ 3 30,000   \$ 3 30,000   \$ 1,000	\$ 20,000,000 \$ 1,000,000 \$ 2,000,000 \$ 40,000,000 \$ 40,000,000 \$ 5 45,000,000 \$ 70,		\$ - \$ - \$ - \$ - \$ 5 - \$		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
101 Mebituation & Bornols 102 SWPPP 103 Perform State Pipe Bursting and rephase with 6-licids HOPE DR11 PE4710 104 Perform State Pipe Bursting and rephase with 6-licids HOPE DR11 PE4710 by open cut 105 Perrich in Final 6-licids Poly Voltar Line C-020 (DR-18) or HDPE DR11 PE4710 by open cut 106 Perrich in Final 6-licids Poly Voltar Line C-020 by brown 106 Perrich in Stratial Michinals, and Remove Minimum Center Temporary Fire Senses 106 Perrich in Antal Michinals of Remove Minimum Center Temporary Fire Senses 107 Perrich in Antal Michinals of Remove Minimum Center Temporary Fire Senses 108 Perrich and Install 8-linch Resident Wedge Catal Valve 109 Perrich and Install 8-linch Resident Wedge Catal Valve 110 Altandon Ediding Calas Valve & Box 111 Remove & Dispose Estiding Calas Valve & Box 112 Perrich & Dispose Estiding Calas Valve & Box 113 Remove & Dispose Estiding Calas Valve & Box 114 Reducate & Adjust Estiding 1-leach or Vi-loch AMI Vaster Meter to Phal Grade & Location 115 Replace Estiding Minimum Price Price Valve Amil Minimum Price Valve Pric	LS S S S S S S S S S S S S S S S S S S	1 1 10 200 1 145 1 15 1 15 1 15 1 15 1 15 1 15 1	S	\$ 80,000.00 \$ 1,115,000.00 \$ 1,150,000.00	8 2000000   8   5000000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   500000000   8   500000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ \$ 20,000,000   \$ \$ 5,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ 100,000   \$ 10		\$ - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -				
Mobilization & Borno's  202 SWYPP  203 Or Perform Static Pipa Bursting and rephose with 6-lock HOPE DR11 PEd 710  204 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  205 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  206 Furnish & Install 6-lick PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710 by open out  206 Furnish & Install Amelia Ped Install Ped Ins	LS CONTROL OF CONTROL	1 1 10 200 1 145 1 15 1 15 1 15 1 15 1 15 1 15 1	S	\$ 80,000.00 \$ 1,115,000.00 \$ 1,150,000.00	8 2000000   8   5000000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   500000000   8   500000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ \$ 20,000,000   \$ \$ 5,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ \$ \$ 100,000   \$ 100,000   \$ 10		\$ - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -				
Mobilization & Borno's  202 SWYPP  203 Or Perform Static Pipa Bursting and rephice with 6-linch HOPE DR11 PEd 710  204 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  205 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  206 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710 by open out  206 Furnish & Install A Install 6-linch PVC Water Line C 600 (DR-II) or Hope DR11 PEd 710  207 Furnish & Install 4-linch PVC Water Line C 600 (DR-II) or Hope DR11 PEd 710  208 Furnish and Install 8-linch BedsenWidego Calla Value  209 Furnish and Install 8-linch BedsenWidego Calla Value  200 Furnish and Install 8-linch BedsenWidego Calla Value  210 Furnish and Install 8-linch BedsenWidego Calla Value  211 Remove Bicysose Esisten Value Remove Widego Calla Value  212 Furnish & Install Land Free Fire Hydrant Assambly  213 Remove Bicysose Esisten Fire Hydrant Assambly  214 Relocate & Adjust Esisting 1-linch or K-inch AMI Water Meter to Prinal Grade & Location  215 Replace Esisting Mater Work Plant Particle Fire In-Vision AMI Water Meter Dr Final Grade & Location  216 Pursish & Install Linch Bell Fire Fire Individual Calla Value Bedsen Proceedings of Prinal Calla Value  217 Furnish & Install Linch Bell Water Meter Bedsen Prinal Calla & Location  218 Replace Esisting Mater Work Water Service from Main to Mater  219 Furnish & Install Linch Bell Water Service from Main to Mater  210 Replace Esisting Mater Berv With Coff Furnished Fire Individual Prinal Calla & Location  221 Replace Esisting Mater Berv With Coff Furnished Fire Individual Prinal Calla Adjust Meter Prina Calla Calla Adjust Meter Prina C	LS S S S S S S S S S S S S S S S S S S	1 1 10 200 1 145 1 15 1 15 1 15 1 15 1 15 1 15 1	\$ 6000000 \$ 7000000 \$ 800000 \$ 900000 \$ 900000 \$ 900000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 9000000 \$ 90000000 \$ 90000000 \$ 90000000 \$ 90000000 \$ 90000000 \$ 900000000 \$ 90000000000	\$ 80,000.00 \$ 1,148,000.00 \$ 1,148,000.00 \$ 2,000.00 \$ 16,000.00 \$ 2,000.00 \$ 2,000.00 \$ 3,000.00 \$ 3,000.00 \$ 3,000.00 \$ 4,000.00 \$ 4,000.00 \$ 5,000.00 \$ 5,000.00 \$ 6,000.00 \$ 6,000.00 \$ 7,000.00	\$ 7,000.00   \$ 100.00   \$ 100.00   \$ 100.00   \$ 3 30.00   \$ 3 30.00   \$ 3 1,800.00   \$ 1,800.00	\$ 20,000,000 \$ 1,000,000 \$ 2,000,000 \$ 40,000,000 \$ 40,000,000 \$ 5 40,000,000 \$ 70,		\$ - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -				
Nebituation & Bornois  201 Mebituation & Bornois  302 SWPPP  303 Purplish & Install & Feb. PVC Water Line C 900 (DR-Lin) or 14/DPC DR11 PE4710 by open cut  304 Purplish & Install & Feb. PVC Water Line C 900 (DR-Lin) or 14/DPC DR11 PE4710 by open cut  305 Purplish & Install & Hesh PVC Water Line C 900 (DR-Lin) or 14/DPC DR11 PE4710 by open cut  306 Purplish & Install & Hesh PVC Water Line C 900 (DR-Lin) or 14/DPC Water Line  207 Purplish & Install & Hesh PVC Water Line C 900 (DR-Lin) or 14/DPC Water Line  208 Purplish and Install & Hesh Resident Wedge Caste Valve  209 Furnish and Install & Hesh Resident Wedge Caste Valve  200 Furnish and Install & Hesh Resident Wedge Caste Valve  201 Residence & Elizope Eskilog Lake Valve & Bore  211 Residence & Elizope Eskilog Lake Valve & Bore  212 Purplish & Install & Lead Fise Pire Hydrant Assambly  213 Residence & Elizope Eskilog Lake Valve & Hesh Ecystense condict with payement subgrade  214 Residence & Elizope Eskilog Lake Valve & Hesh Ecystense Lake Valve  215 Residence & Elizope Eskilog Lake Valve & Hesh Ecystense Lake Valve  216 Residence & Elizope Eskilog Lake Valve & Hesh Ecystense Lake Valve  217 Furnish & Install & Hesh Bilder Pire Hydrant Assambly  218 Residence & Endogs Marker Work (Ery Furnished 1-les) Marker Bor  219 Furnish & Install & Hesh Bilder Walve Service Inton Marie to Marker  210 Furnish & Install & Hesh Bilder Walve Service Inton Marie to Marker  211 Furnish & Install & Hesh Bilder Walve Service Inton Marie to Marker  212 Furnish & Install & Hesh Bilder Walve Service Inton Marie to Marker  213 Residence & Endogs Marker Bor with City Furnished 3-les in Marie to Marker  214 Furnish & Install & Hesh Bilder Walve Service Inton Marie to Marker  215 Furnish & Steal & Eskelop Marker Marker Service Inton Marie to Marker  216 Furnish & Steal & Eskelop Marker Marker Service Inton Marie to Marker  217 Furnish & Steal & Eskelop Marker Line C Baller Service Inton Marie to Marker  218 Furnish & Steal & Eskelop Marker Line C Baller Line C Baller Line  219 Furnish &	LS C C C C C C C C C C C C C C C C C C C	1 1 18,200 1145 125 125 125 125 125 125 125 125 125 12	S	\$ 80,000.00 \$ 1,115,000.00 \$ 1,150,000.00	8 2000000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   500000000   8   500000000   8   500000000   8   5000000000   8   5000000000   8   5000000000   8   5000000000   8   5000000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ \$ 20,000,000   \$ \$ \$ 20,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 4,725,000   \$ \$ 4,725,000   \$ \$ 4,725,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ 100,000   \$ 100,000		\$ - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -				
Mobilization & Borno's  202 SWYPP  203 Or Perform Static Pipa Bursting and rephice with 6-linch HOPE DR11 PEd 710  204 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  205 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710  206 Furnish & Install 6-linch PVC Water Line C 600 (DR-II) or HOPE DR11 PEd 710 by open out  206 Furnish & Install A Install 6-linch PVC Water Line C 600 (DR-II) or Hope DR11 PEd 710  207 Furnish & Install 4-linch PVC Water Line C 600 (DR-II) or Hope DR11 PEd 710  208 Furnish and Install 8-linch BedsenWidego Calla Value  209 Furnish and Install 8-linch BedsenWidego Calla Value  200 Furnish and Install 8-linch BedsenWidego Calla Value  210 Furnish and Install 8-linch BedsenWidego Calla Value  211 Remove Bicysose Esisten Value Remove Widego Calla Value  212 Furnish & Install Land Free Fire Hydrant Assambly  213 Remove Bicysose Esisten Fire Hydrant Assambly  214 Relocate & Adjust Esisting 1-linch or K-inch AMI Water Meter to Prinal Grade & Location  215 Replace Esisting Mater Work Plant Particle Fire In-Vision AMI Water Meter Dr Final Grade & Location  216 Pursish & Install Linch Bell Fire Fire Individual Calla Value Bedsen Proceedings of Prinal Calla Value  217 Furnish & Install Linch Bell Water Meter Bedsen Prinal Calla & Location  218 Replace Esisting Mater Work Water Service from Main to Mater  219 Furnish & Install Linch Bell Water Service from Main to Mater  210 Replace Esisting Mater Berv With Coff Furnished Fire Individual Prinal Calla & Location  221 Replace Esisting Mater Berv With Coff Furnished Fire Individual Prinal Calla Adjust Meter Prina Calla Calla Adjust Meter Prina C	LS S S S S S S S S S S S S S S S S S S	1 1 18,200 1145 125 125 125 125 125 125 125 125 125 12	S	\$ 80,000.00 \$ 1,115,000.00 \$ 1,150,000.00	8 2000000   8   5000000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   500000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   5000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   50000000   8   500000000   8   500000000   8   500000000   8   5000000000   8   5000000000   8   5000000000   8   5000000000   8   5000000000   8   50000000000	\$ 20,000,000   \$ 1,000,000   \$ \$ 20,000,000   \$ \$ \$ 20,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ \$ 45,000,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 4,725,000   \$ \$ 4,725,000   \$ \$ 4,725,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ \$ 100,000   \$ 100,000   \$ 100,000		\$ - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		S - S - S - S - S - S - S - S - S - S -				

TOTAL BASE BID WATER MAIN	RENEWA	LOPTION	2 - PIPE BURSTING	\$ 2,339,350.00		\$ 2,889,820,00		s -		s -	2	-	s l	-		
301A Mobilization & Bonds	LS	1		s -		s -	\$ 6,000,00	\$ 6,000.00	6,000,00	\$ 6,000,00 S	6,000,00 \$	6,000.00	\$ 6,000,00 S	6.000.00		
302A SWPPP	LS	1		s -		s -	\$ 2,000,00	S 2,000,00	2,000,00	5 2,000,00 S	2,000,00 5	2,000,00	5 2,000,00 S	2,000,00		
303A Furnish & Install 8-inch PVC Water Line C-900 (DR-18) by open cut	LF	1,350	1	\$ -		\$ -	\$ 71,00	\$ 95,850,00	62.00	S 83,700.00 S	82.00 S	110,700,00	S 130,00 S	175,500,00		
304A Furnish & Install 6-inch PVC Water Line C-900 (DR-18) by open cut	LF	30		s -		s -	\$ 57,00	s 1,710,00	5 57.00	\$ 1,710,00 S	82.00 S	2,460,00	S 110,00 S	3.300.00		
305A   Furnish and Install 8-Inch Resilient Wedge Gate Valve	EA	4	1	s -	j –	5 -	\$ 2,050.00	\$ 8,200,00	\$ 2,040,00	S 8,160.00 S	1,500.00 \$	6,000.00	S 1,750,00 S	7,000,00		
306A Furnish and Install 6-inch Restlant Wedge Gate Valve	EA	3	1	s -		s -	\$ 1,800,00	S 5,400,00	1,777,00	\$ 5,331,00 \$	1,100,00 \$	3,300,00	s 1,200,00 \$	3,600,00		
307A Abandon Existing Gate Valve & Box	EA	2		s -		s -	s 300.00	S 600.00	s 395.00	s 790.00 S	150.00 S	300.00	\$ 1,000.00 S	2.000.00		
308A Furnish & Install Lead Free Fire Hydrant Assembly	EA	3		s -		s -	\$ 3,800,00	S 11,400,00	\$ 4,212.00	\$ 12,636,00 S	4,000,00 \$	12,000,00	\$ 4,250,00 \$	12,750,00		
309A Remove & Dispose Existing Fire Hydrant	EA	3		s -		s -	\$ 500,00	\$ 1,500,00	5 724.00	S 2,172,00 S	1,000,00 S	3,000,00	s 400.00 s	1,200.00		
310A Relocate & Adjust Existing 1-inch or %-inch AMI Water Meter to Final Grade & Location	EA	47		s -		ŝ -	\$ 960,00	S 46,060,00	\$ 1.053.00	\$ 49,491,00 \$	750.00 S	35.250.00	\$ 375.00 S	17.625.00		
311A Replace Existing Meter Box with City Furnished 1-inch Meter Box	EA	47	1	s - 2		\$ -		S 12,925.00	s 1,119.00	s 52,593,00 s	200,00 S	9.400.00	S 150.00 S	7,050,00		
312A   Furnish & Install 1-Inch Bullhead Water Service from Main to Meter per Detail	EA	17		s -		s -			1,448,00	S 24,616,00 S	2,700,00 \$	45,900,00 3	s 1,600,00 s	27,200,00		
313A Furnish & Install 1-inch Short Water Service from Main to Mater	EA	5	1 1	s -		s -			\$ 1,119,00			4,250,00 3	S 1.300.00 S	6,500.00		
314A Furnish & Install 1-Inch Long Water Service from Main to Meler	EA		1	\$ -		s -	S 1,150,00	s 9,200,00	5 1.053.00	S 8.424.00 S	2.300.00 S	18,400,00	S 1,700,00 S	13.600.00		
315A Connect to Existing 6-inch and 8-inch Water Line, Gale Valve, Tee or Cross	EA	2		s -		s -	s 1,400,00	s 2,600.00	s 1.448.00	s 2.896.00 S	2.400.00 S	4 500.00	s 2,000,00 s	4,000.00		
316A Cut & Plug Existing 6-inch to 12-inch Water Line	EA	2		s -		\$ -	s 780,00	\$ 1,560,00	1,580,00	\$ 3,160,00 S	1,000,00 S	2,000,00	5 1,100,00 S	2,200,00		
317A   Furnish & Install Concrete Encasement	LF	20	T	s -		s -	S 45.00		\$ 46.00		60.00 S	1,200,00	\$ 70.00 S	1,400,00		1
318A Furnish & Install Rock Cushion	TN			s -		\$ .						250.00	5 35.00 S	175.00		'
319A Furnish G.P.S. Data on New Water & Sanitary Sewer Attributes	LS			5 -		s -			\$ 13,162,00		6.000,00 S	6,000,00	\$ 3,000,00 S	3.000,00		
320A Construction Contingency for Water Items	LS		1	\$ -		8 .	\$ 10,000,00		\$ 10.000.00	\$ 10,000,00 \$	10.000.00 S	10.000,00	S 10.000.00 S			
321A Furnish & Install, Maintain, and Remove Temporary 2-Inch Water Line	LF					\$ .	\$ 25.00		\$ 31.00		12.00 S	15,500,00	S 15.00 S	19,500,00		
			ch Drive - Open Cut);	<u> </u>		š .	20,00	\$ 281,380,00		\$ 333,886,00	\$	298,810,00	10.00	325.600.00		
301B Mobilization & Bonds	LS		S 6,000,00	\$ 6,000,00	s 6.000.00	s 6.000.00		s .		s -	s	-	s	- 121,61111		
302B SWPPP	LS		5 2,000,00	\$ 2,000,00				s -		s -	s				Non-Responsive Bid	Non-Responsive Bid
303B Perform Static Pipe Bursting and replace with 8-inch HDPE DR11 PE4710	1F	1,350	\$ 65,00	s 87,750,00	\$ 55.00	\$ 74,250,00				\$ -	s	-	2			
304B Furnish & Install 6-Inch PVC Water Line C-900 (DR-18) or HDPE DR11 PE4710 by open cut	LF	30	\$ 120.00	\$ 3,600,00						s -	s		s			
305B Furnish and Install 8-inch Restlent Wedge Gale Valve	EA	4	5 1,500,00	\$ 6,000,00				s -		5 -	S		15			
306B Furnish and Install 6-inch Resilient Wedge Gate Valve	EA	3	\$ 1,250,00	\$ 3,750,00						\$ .	5		8			
307B Abandon Existing Gate Valve & Box	FA	2	S 100.00	s 200.00				s -		s -			1			İ
308B Furnish & Install Lead Free Fire Hydrant Assembly	EA	3	\$ 2,750,00	S 8.250.00	\$ 5,460.00	5 16,380,00		s -		s .	8					
309B Remove & Discose Existing Fire Hydrant	EA	3	\$ 100.00	S 300.00	\$ 365.00	\$ 1,095,00		s .		s .	s	-	s			
310B Rejocate & Adjust Existing 1-inch or %-inch AMi Water Mater to Final Grade & Location	EA	47	\$ 350.00					s -		s -	- s		5			
311B Replace Existing Meter Box with City Furnished 1-inch Meter Box	EA	47	\$ 450.00	\$ 21,150,00	\$ 125,00	\$ 5,875,00		3 -	f	s -	s	- 1	s			
3128 Furnish & Install 1-inch Builhead Water Service from Main to Meter per Detail	EA	17	s 600.00					s .		5	5	- 1	8			
313B Furnish & Install 1-Inch Short Water Service from Main to Meter	EA	5	s 450.00					s -		s .	s		s	-		İ
314B Furnish & Install 1-Inch Long Water Service from Main to Meter	EA	8	\$ 600,00		\$ 1,345,00	\$ 10,760.00	<del></del>	s -		5 -	s		18			l
315B Connect to Existing 6-Inch and 8-Inch Water Line, Gate Valve, Tee or Cross	EA	2	\$ 10,00				i i	s -		s -	s					
316B Cut & Plus Existing 6-inch to 12-inch Water Line	EA	2	S 10,00		\$ 650,00			š -		s -	8		s			
317B Fernish & Install Concrete Encasement	LF	20	\$ 150,00					ş -	1		s		- 1			
318B Furnish & Install Rock Cushion	TN	- 5	s 50.00	\$ 250,00	\$ 36.00	\$ 180,00		\$ -		s -	\$					
319B Furnish G.P.S. Data on NewWater & Sanitary Sever Attributes	LS	1	\$ 1,000,00	\$ 1,000,00	\$ 2,500,00	\$ 2,500,00		S -		s -	5	- 1	s			
320B Construction Contingency for Water Items	LS	1	s 10,000,00	s 50,000,00				5 -		s -	5			-		
			rive - Pipe Bursting):	\$ 226,990.00		\$ 279,825,00		5	الخوا	\$	ż		5		s -	s -
						,										
TOTAL BASE BID WATER MA	N RENEV	NAL OPT	ON #1 OPEN CUT	s -		S -		\$ 2,943,550,00		\$ 2,880,294,00	s	3,779,500,00		3.984.640.00	S -	s -
TOTAL BASE BID WATER MAIN RE						\$ 2,689,820.00		\$ -		\$				s -	\$ -	3 -
			ch Drive - Open Cut):			5 -		5 281,380,00		\$ 333,886,00	\$	298,810,00	s	325,600,00	s -	5
			rive - Pipe Bursting):			\$ 279,825,00		s -			3	-		s -	s -	s
TOTAL BASE BID WATER MAIN RENEWAL OPTION #1 - OPEN CUT +				\$ .		3 .		\$ 3,224,930.00		\$ 3,214,180,00	2	4.078,319,00		4,310,240,00		3
TOTAL BASE BID WATER MAIN RENEWAL OPTION #2 - PIPE BURSTING + Alto				\$ 2,556,340,00		\$ 2,929,545,00		5 -		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,				s -
						-,,,,,										



# FIRE HYDRANT INSTALLATION REVIEW

(For fire hydrants not related to new subdivision construction)

#### **Information for Applicant:**

Most fire hydrants within the District are installed by developers, as part of new subdivision construction. The District will install fire hydrants where possible, and when requested by an Applicant who is willing to pay the costs of the fire hydrant including materials, installation and fire hydrant fee costs.

This form is for an individual or group of individuals to request and receive approval to have a fire hydrant installed at a specific location and are willing to pay the costs and fees associated with such an installation.

The hydrant, if approved, will be installed by either District crews or a contractor hired by the District to complete the installation. All installations will be in accordance with District Standards and Specifications.

### **Cost of Fire Hydrants:**

Generally, the base cost of a fire hydrant including materials, installation and fees is about \$6,000. Of course every situation is different and costs of a fire hydrant will vary depending upon line size, location, complexity of installation and other factors. All costs associated with a fire hydrant installation will be the responsibility of the Applicant.

The Review fee is \$50 per hydrant, to be submitted with this application.

Applicant Name	Date	Phone Number
Mailing Address	Daytime Phone	Fax
City, State, Zip Code		
Desired Location of Fire Hydrant: (Attach sketch)		
By signing below, Applicant hereby acknowledges forth in this Review:	his or her understand	ing and acceptance of the items set
Signature:	Date	



# CITY OF MILPITAS AGENDA REPORT (AR)

Item Title:	Report on Bids and Award Construction Contract to Platinum Pipeline, Inc., in the amount of \$190,532.00 for the Replacement of City Fire Hydrants.
Category:	Consent Calendar-Community Services and Sustainable Infrastructure
Meeting Date:	6/16/2020
Staff Contact:	Tony Ndah, 408-586-2602 and Chris Schroeder, 408-586-3161
Recommendation:	<ol> <li>Receive report on bids and award a construction contract to the lowest responsible bidder submitting a responsive bid, Platinum Pipeline, Inc., in the amount of \$190,532.00 for the Fire Hydrant Replacement Project.</li> <li>Authorize the Director of Public Works to negotiate and execute contract change order(s) in an aggregate amount not to exceed \$9,000.00 for unforeseen work related to the Fire Hydrant Replacement Project.</li> </ol>

#### Background:

The City of Milpitas maintains approximately 2,200 fire hydrants citywide, with each hydrant having a 30-year service life. Approximately 10% of the City's fire hydrants have exceeded their useful life and are in need of rehabilitation and replacement. Per the California Fire Code, fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective and comply with approved standards. In addition, fire hydrant replacement is a necessary safety maintenance measure that ensures that the City meets not only firefighting requirements per the California Fire Code but water quality standards as well, per California State Regulation, Title 22.

In 2008, Council approved CIP No. 7110, Hydrant Replacement Program, to provide funding for the replacement of Greenberg fire hydrants in the Manor, Sunnyhills, and Milford neighborhoods and later approved the expansion of the project scope to include citywide hydrants as recommended in the Water Supply Augmentation Feasibility Report (March 2015). Award of this contract will ensure the City's fire hydrants are replaced as the infrastructure ages and the hydrants remain in functioning condition for use in case of a fire.

#### Analysis:

The City's Hydrant Replacement Program is responsible for the systematic, system-wide replacement of older, leaking, or damaged hydrants. Older, high maintenance fire hydrants are replaced with newer, more effectively operating devices. Fire hydrants are replaced based upon maintenance inspections, leak detection testing, and damage as a result of vehicular accidents. The ongoing replacement program is designed to maintain the integrity of the fire protection system throughout the City.

On April 24, 2020, the Purchasing Division released an Invitation for Bid (IFB) 2426 for fire hydrant replacement services at twenty-nine (29) City locations. The IFB was publicly noticed in accordance with the Uniform Public Construction Cost Accounting Act and the City's municipal code and advertised on the City's website. Email notifications were sent to companies registered with the City via ProcureNow.com, the City's eProcurement system and a bid notification placed on PublicPurchase.com. Upon release, 175 firms received the solicitation notification, fourteen (14) firms downloaded the IFB documents, and four (4) firms participated in the mandatory pre-bid meeting. The Purchasing Division received three (3) bids by the May 20, 2020 deadline to respond to the IFB. Platinum Pipeline, Inc., is the lowest responsible bidder submitting a responsive bid. The bid submitted was within the City's estimate for these services.

BIDDER	BASE BID
1. Platinum Pipeline, Inc.	\$190,532.00
2. West Valley Construction Company	\$207,125.00
3. FD Underground Inc.	\$289,578.00

#### **Policy Alternatives:**

**Alternative 1:** Direct City staff to provide the required services with in-house resources.

Pros: Increased work options for City staff.

**Cons:** City staff do not have sufficient resources to provide these services, in addition to the ongoing operations and maintenance of the City's infrastructure.

**Reason not recommended:** The City does not have enough resources to perform the hydrant replacement work, as well as continue staff work on operation and maintenance of the City's infrastructure. The timeline for the replacement of the hydrants would be delayed, which would result in more hydrants exceeding their useful life and potentially impacting Fire Department response to a fire.

#### Fiscal Impact:

Sufficient funds for the project are available in CIP 7110 - Hydrant Replacement Program.

#### California Environmental Quality Act:

By the definition provided in the CEQA Guidelines Section 15378, this action does not qualify as a "project" for the purpose of CEQA as this action has no potential to result in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment.

#### Recommendation:

- 1. Receive report on bids and award a construction contract to the lowest responsible bidder submitting a responsive bid, Platinum Pipeline, Inc., in the amount of \$190,532.00 for the Fire Hydrant Replacement Project, for a total amount not to exceed \$\$190,532.00.
- 2. Authorize the Director of Public Works to negotiate and execute contract change order(s) in an aggregate amount not to exceed \$9,000.00 for unforeseen work related to the Fire Hydrant Replacement Project.

#### Attachments:

Construction contract with Platinum Pipelines, Inc. for the Fire Hydrant Replacement Project.

OUCC Attachment CNS-2 Cause No. 42351 DSIC-13

				 	Page 10	7 01 20
PURCHASING DIVISION  IFB FOR: Hydrant Replacement  IFB NO: 2426  DUE DATE: 20 May 2020  BUYER: Z. DeVine	FD Underground Inc.	Platinum Pipeline Inc.	West Valley Construction Company Inc.			
	1	2	3			
Base Bid	\$289, 578.00	\$190,532.00	\$207,125.00			

\*\*BID AWARD IN PROGRESS\*\* June 17, 2020 City Council Meeting

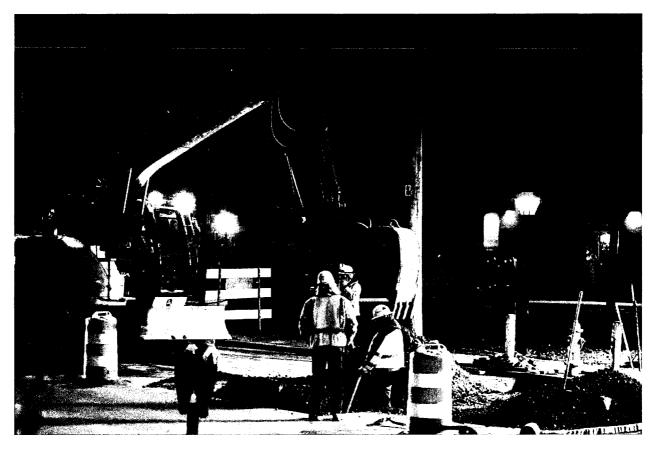
AWARD TO: Platinum Pipeline Inc. Lowest Most Responsive, Responsible Bidder Meeting Specifications

# Council approves \$330K fire hydrant replacement project

nawarkpostonline.com/news/council-approves-330k-fire-hydrant-replacement-project/article 17319a85-0c3f-5d71b752-01977bf8948e.html

By Josh Shannon jshannon@chespub.com

April 26, 2019



City council on Monday approved a \$331,000 project to replace 15 Main Street fire hydrants and the water lines that feed them.

The water mains under Main Street date back as far as 1888, and mineral build-up and corrosion has reduced the capacity of the pipes leading to the fire hydrants, according to Ethan Robinson, deputy director of public works and water resources.

Replacing them with wider pipes will increase the flow rate, and new valves will reduce the impact of service disruptions during future repairs.

The work will be done in conjunction with the Main Street construction project, and council agreed to waive the bid process to award the contract to the same contractor doing the Main Street project.

The hydrant work started earlier this month, but the bulk of it will be done over the summer.

The work will be split into eight phases. In each area, the residences and businesses there will have their water shut off overnight between midnight and 7 a.m.

Each water customer will be affected for only one night, barring any unforeseen problems, Robinson said.

However, after their water service is restored, the customers will be under a boil-water advisory for 24 hours. During that time, people cannot drink the water or use it for cooking unless they boil it first.

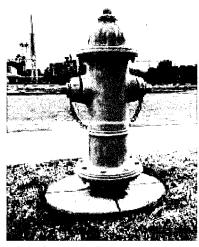
Robinson said the city will contact property owners to inform them of the exact date they will be affected.

The city will hold a public workshop about the hydrant project May 2 at city hall, 220 S. Main St. A brief presentation followed by a question-and-answer session will be led by city staff at 4:30 p.m. City staff will repeat the presentation at 5:30 p.m. and 6:30 p.m.

# Phoenix has 709 fire hydrants that don't work and 2,000 that need fixed, replaced

#### By Christina Estes

Published: Monday, November 29, 2021 - 5:05am Updated: Monday, November 29, 2021 - 7:26am



Christina Estes/KJZZ As of September 2001, Phoenix had 709 non-working fire hydrants across the city.

As of September, Phoenix had 709 fire hydrants that didn't work and another 2,000 that needed repaired or replaced.

Executive Assistant Fire Chief Scott Walker told a city subcommittee that when crews respond to calls, they assume the nearest fire hydrant is working. If their 1,000-foot hose cannot reach a functioning hydrant, they must come up with another plan.

"A different apparatus may need to secure a water supply from a different direction, we may need to use multiple fire trucks to what we call 'daisy chain' that's several trucks connecting their supply lines in order to get their water supply to the fire incident," he said. "And with today's synthetic materials and combustibles causing fires to double in size every sixty seconds, any delay to that fire attack will increase the risk to any potential victim and to our firefighters.

The Water Services Department said if the current pace continues, city crews will be able to clear a backlog of nearly 1,700 repairs within a year but cannot keep up with replacements. The department wants to hire a private contractor to replace 1,019 hydrants in a year at a cost of \$3.4 million. The City Council must still approve the contract.

After catching up on backlog work orders, the department said it will repair and replace hydrants within a month of receiving work orders. It also has a goal to perform preventative maintenance work on each hydrant annually. Phoenix has 55,143 hydrants across the city.

2/17/22, 8:05 AM

**Business** 

Water

TOWN OF SPRINGFIELD
WATER SYSTEM
CAPITAL PLAN
FY 22 - FY 26
May 2021

#### INTRODUCTION

This Plan includes recommended improvements using multiple sources of funds for water system improvement projects of a range of sizes. It is separated into projects that are included in:

- · Annual Water Operations Budget
- Capital Plan
- Larger water system improvement projects using Local and/or State/Federal Funding Sources

Some of this information is built off the Long Range Plan Update completed in December 2018 and sections of this document will be referenced here.

#### ANNUAL OPERATIONS BUDGET

For the annual operations budget, the following improvements are included for the distribution system.

# Fire Hydrant Replacements

From the Long Range Plan, it was recommended that up to three (3) hydrants be replaced each year. The estimated replacement cost is \$6,000 per hydrant, resulting in a total of \$18,000 for FY 22.

# Sampling and Removal of Lead Goose Necks

The lead replacement program has a 10-year timeframe which includes sampling and removal of goosenecks identified. Costs will fluctuate on a year to year basis depending on responses and the number of lead goosenecks identified and replaced. The estimated annual cost for lead replacement program is approximately \$24,000. More detail on the Lead Replacement Program is provided in Appendix L of the Long Range Plan Update.

#### **Structure Adjustments**

In coordination with Town paving projects, the existing water structures need to be adjusted and raised to maintain access. For water, this primarily includes curb boxes for gate valves. This item includes the purchase of the risers and labor for the installation and is scheduled to start in FY 23.

The estimated costs which need to be included in the annual water operating budget for the next five years are summarized in Table 1.

# Table 1 Annual Water Operations Budget Budgeted Costs for Recommended Improvements FY 22 – FY 26

				-	
Item	FY 22	FY 23	FY 24	FY 25	FY 26
Fire Hydrant Replacements	\$18,000	\$18,500	\$19,000	\$19,500	\$20,000
Lead Goose Neck	\$24,000	\$24,700	\$25,400	\$26,200	\$27,000
Replacements		·		·	
Structure Adjustments		\$32,000	\$33,000	\$34,000	\$35,000
Total	\$42,000	\$75,200	\$77,400	\$79,700	\$82,000

#### Notes:

#### **CAPITAL PLAN**

The water system improvements identified for the capital plan are broken down into supply, storage, and distribution.

# Supply

The Town has typically budgeted \$10,000 annually for well redevelopment, but have found that when the well is redeveloped, the pump should be replaced. The total cost of the well development and pump replacement is estimated at \$25,000 so the plan would be to allocate adequate funds each year to perform the improvements on one well every two years. It is recommended to budget \$12,500 each year so that the funds are adequate to cover this cost.

#### Storage

The storage tanks are inspected every five years, but recently cracking has been observed. In the first year, the recommendation is to have the Eastside (Hartness) and Westside (High School) tanks inspected by the tank manufacturer. If the tanks can not be drained, the interior can be inspected using an ROV (Remotely Operated Vehicle). An inspection report would include recommendations for repair and a budget cost.

Funds would be budgeted annually to have one of the tanks repaired in FY 24 and the second tank repaired in FY 26. For the exterior repairs, a budget of \$50,000 is shown for each tank, so it is recommended to put aside \$25,000 per year. Based on the results of the inspection, these estimates may need to be adjusted in future years to ensure adequate funds are available when needed.

#### Distribution

The Long Range Plan included an estimate of \$25,000 annually for the replacement of small diameter waterlines. The focus was on shorter sections of waterlines (< 500') which will not require a Drinking Water Permit to Construct, but these two projects identified on Elm Terrace and Ellis Street may require some engineering and a Permit due to the length and complexity. On Elm Terrace, there is an existing 1-1/4" diameter waterline and on Ellis Street, a 1-1/2" diameter waterline.

<sup>1.</sup> Beginning in FY 23, the annual budgeted costs were increased about 3% annually.

# **Budget Estimates**

The recommended costs for inclusion into the capital plan are summarized in Table 2. For FY 22, a budget of \$45,000 is recommended for these items and increases to \$65,600 in FY 26.

Table 2
Capital Plan
Budgeted Costs for Recommended Improvements

Dadgeted Goote for Recommended Improvements										
Item	FY 22	FY 23	FY 24	FY 25	FY 26_					
Supply										
Well Redevelopment	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500					
Storage										
Tank Inspections	\$7,500									
Eastside Tank Repairs <sup>(1)</sup>		\$25,000	\$25,000							
Westside Tank Repairs (1)				\$25,000	\$25,000					
Waterline Replacements (2)										
Elm Terrace	\$25,000	\$25,750		· "=						
Ellis Street			\$26,500	\$27,300	\$28,100					
Total	\$45,000	\$63,250	\$64,000	\$64,800	\$65,600					
	1	'	-							

#### Notes:

- 1. The budgets for the tank repairs will need to be adjusted after completion of the inspection in FY 22.
- 2. Beginning in FY 23, the annual budgeted costs were increased 3% annually.

# Other Recommendations

For the water system improvements completed under the Capital Plan, the work should be coordinated with other priorities, such as, paving and street reconstruction. Where the priorities and schedule align, this work should be coordinated with the Highway Capital Plan.

#### IMPROVEMENT PROJECTS

There are several water system improvement projects pending and the status is described in the narratives below.

#### **Contract H – Clinton Street**

This Contract includes waterline replacement on Clinton Street from the wastewater treatment facility to Bridge Street. These improvements include approximately 4,500' of new 12" PVC pipe and 600' of new 8" PVC pipe and appurtenances. The pipe material was changed from ductile iron to PVC to reduce the costs.

The project design was completed and permits obtained. It was put out to bid in June 2016, and split into a base bid and Bid Alternate, however, there was not adequate bonding capacity to award and move to construction. At the time, there was about \$960,000 remaining in uncommitted bonding capacity. The Drinking Water Permit to Construct was withdrawn in July 2018.

As an addition to this project, the Town wants to explore adding the waterline improvements in the area of Seavers Brook Road.

#### Contract I – Water Works Improvements

This Contract includes waterline replacements on Clinton Street (Bridge Street to Main Street), Bridge Street, Franklin and Wall Street, and Mill Road. These improvements include approximately 2,400' of new 12" waterline and 3,100' of new 8" waterline and appurtenances.

The design for this Contract I was 90% complete in 2016.

#### Contract J - Main Street

The Town wants to replace the original water main on Main Street, from Clinton Street to the VFW vault (near Eaton Avenue). Preliminary engineering (Step I) needs to be done to document the project need, consider alternatives, and develop a proposed project. For the proposed project, the scope will be defined, timeline, estimated costs, funding sources, etc. so that the Town can proceed to a bond vote.

#### **Estimated Costs**

As part of this capital plan, the estimated construction cost and total project cost were updated based on current 2021 costs. These costs are summarized in Table 3. The estimated costs for Contract J will be prepared during the preliminary engineering study.

Table 3
Estimated Costs

Contract No.	Estimated Construction Cost <sup>(1)</sup>	Total Project Cost
H – Clinton Street	\$1,760,000	\$2,300,000
I – Water Works System	\$1,900,000	\$2,600,000
J – Main Street	tbd	tbd

#### Notes:

- 1. ENR 11800 = April 2021
- 2. The total project includes previous final design engineering costs incurred.

It should be noted that prior to a bond vote, the construction costs need to be updated to reflect the anticipated construction schedule.

#### Schedule

For these larger projects, a tentative schedule was developed and is provided in Table 5. The Town plans a bond vote in March 2022 and prefers to include Contracts H, I, and J in the bond vote amount. If the bond vote passes, the plan is to begin construction on Contract H in 2022, and follow with Contracts I and J in the following years as shown on Table 4.

Table 4
Overall Schedule

	**************************************		T .
		Contract	
Date		No.	Task
2021	May-December	J	Preliminary engineering (Step I)
2022	January - March	Н	Update final design (Step II) and permitting
	March		Bond Vote
	March	Н	Advertise for Bids
	May	Н	Start Construction
	November	Н	Complete Construction
2023	February		Complete final design (Step II) and permitting
			Advertise for Bids
	March	J	Begin final design (Step II)
	May	]	Start construction
	December	<u> </u>	Complete construction
2024	February	J	Complete final design and permitting
			Advertise for bids
	May	J	Begin construction
	December	J	Complete construction

#### **Next Steps**

For the Town to meet this schedule, and be ready for a March 2022 bond vote several items need to move forward as follows.

- May 2021:
  - o Contract J: Submit the Drinking Water Planning Loan Application.
  - o Contract J: Begin the preliminary engineering study (Step I) for Contract J.
- November 2021:
  - O Contract H: Submit a Drinking Water Planning Loan Application for update of the design and permitting, and bond vote assistance.
- December 2021:
  - o Contract H: Begin the update of the design and permitting for Contract H
- January 2022:
  - Begin the bond vote preparation.

**♣**Foth

Tabulation of Bids West Des Moines, IA Booneville Road Improvements

City Project Number: 0510-006-2017 Foth Project Number: 18W019.01



					Foth Project I	Number: 18W019.01										The Francisco
Bid Date:	Wednesday, April 10, 2019			gineer's		crete Construciton		Aninich		Contractor		uction Group LLC	Concrete Technology Inc.			
ITEM NO.	at 2:00 pm ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	on of Cost SUBTOTAL	UNIT PRICE	later, IA SUBTOTAL	UNIT PRICE	Moines, IA SUBTOTAL	UNIT PRICE	Moines, IA SUBTOTAL	UNIT PRICE	ies, IA SUBTOTAL	UNIT PRICE	SUBTOTAL
	1 - GENERAL	Not Used	ONI	QUANTITI	DIVITABLE	GOBTOTAL	DIVIT FINOL	GOBTOTAL	DIVITERIOL	SOBJOIAL	ONITITIOE	SOBICIAL	ONLYTHOL	JODIOTAL	CHITTHOL	GODIOTAL
DIVIDION	I - GENERAL	IW Casu	1			***										
DIVISION 2	2 - EARTHWORK, SUBGRAD															
2.1		CLEARING & GRUBBING	UNIT	616,1	\$ 20.00	\$ 12,322,00	\$ 9,25		\$ 9,20	\$ 5,668,12		\$ 5,236,85	\$ 8,50		\$ 8,50	\$ 5,236.85
2,2	-	CLEARING & GRUBBING	AC	5.0	\$ 2,500,00	\$ 12,500.00	\$ 8,140.00	\$ 40,700.00	\$ 8,100,00	\$ 40,500,00	\$ 8,200,00	\$ 41,000,00	\$ 7,500,00		\$ 8,190,00	\$ 40,950,00
2,3		TOPSOIL, ON-SITE TOPSOIL, OFF-SITE	CY	10,379	\$ 8,00 \$ 12,00			\$ 96,005.75 \$ 19,896.80	\$ 6.00	\$ 62,274,00 \$ 14,212,00	\$ 9.25 \$ 15.00	\$ 96,005,75 \$ 19,380,00	\$ 9,50 \$ 16,00		\$ 9,50 \$ 15,75	\$ 98,600.50 \$ 20,349.00
2.4		EXCAVATION, CLASS 10, ROADWAY & BORROW	CY	56,778	\$ 7,00		\$ 2.75		\$ 4.39	\$ 14,212,00	\$ 3,05	\$ 173,172.90	\$ 2.75	\$ 156,139,50	\$ 2.80	
2.6		EMBANKMENT IN PLACE, CONTRACTOR FURNISH	CY	45,068	\$ 12.00		\$ 9.75	\$ 439,413.00	\$ 8,44	\$ 380,373.92	\$ 12.40	\$ 558,843,20	\$ 10,50	\$ 473,214.00	\$ 10.00	
2.7		SUBGRADE PREPARATION, 12 IN.	SY	22,633	\$ 2,50		\$ 3,10	\$ 70,162,30	\$ 3.39	\$ 76,725.87	\$ 2.50	\$ 56,582.50	\$ 3,50	\$ 79,215,50	\$ 3.15	
2.8		REMOVAL OF PIPE CULVERT LESS THAN OR EQUAL TO 36 IN.	LF	1,243	\$ 25.00	\$ 31,075.00	\$ 15.50		\$ 34.00			\$ 39,776.00	\$ 16,00			
2,9		REMOVAL OF PIPE CULVERT GREATER THAN 36 IN.	LF	83	\$ 50,00	\$ 4,150.00	\$ 20.50	\$ 1,701.50	\$ 38,00	\$ 3,154.00	\$ 40,00	\$ 3,320,00	\$ 25,00	\$ 2,075,00	5 33,75	\$ 2,801.25
DIVICION A	I - TRENCH AND TRENCHLE	Tee contemplation	-		-											
3.1	TRENCH AND TRENCHE	TRENCH FOUNDATION	TON	500	\$ 30.00	\$ 15,000,00	\$ 39,00	\$ 19,500,00	\$ 41,00	\$ 20,500,00	\$ 40,00	\$ 20,000.00	\$ 40,00	\$ 20,000,00	\$ 49,25	\$ 24,625,00
								\$		·						
DIVISION 4	4 - SEWERS AND DRAINS							s -								
4.1		SANITARY SEWER, TRENCHED, PVC, 8 IN.	LF	40	\$100,00	\$ 4,000.00	\$ 92.00		\$ 169.00	\$ 6,760.00		\$ 8,200.00	\$ 100.00	\$ 4,000,00	\$ 204.75	\$ 8,190.00
4.2		STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF LF	601 378	\$ 75,00	\$ 45,075.00	\$ 76.00		\$ 90.00	\$ 54,090.00	\$ 69,00	\$ 41,469,0D	\$ 80,00	\$ 48,080.00		
4.3 4.4	+	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN. STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	LF	5/6 644	\$ 90.00		\$ 103,00 \$ 114,00	\$ 38,934,00 \$ 73,416,00	\$ 121.00 \$ 151.00	\$ 45,738.00 \$ 97,244.00	\$ 93,00 \$ 98.00		\$ 115,00 \$ 125.00			
4,4	1	STORM SEWER, TRENCHED, RCP, CLASS III, 42 IN.	LF	821	\$ 150,00	\$ 123,150.00	\$ 176,00	\$ 144,496,00	\$ 176.00	\$ 144,496.00	\$ 122,00		\$ 190,00		\$ 239,50	\$ 196,629,50
4.6	I	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN.	LF	181	\$ 180.00		\$ 185.00		\$ 218,00	\$ 39,458,00			\$ 200,00			\$ 49,051.00
4.7		STORM SEWER, TRENCHED, RCP, CLASS III, 54 IN.	LF	164	\$ 200,00	\$ 32,800.00	\$ 215,00	\$ 35,260.00	\$ 306.00	\$ 50,184.00	\$ 225.00	\$ 36,900.00	\$ 225.00	\$ 36,900.00	\$ 330.00	\$ 54,120.00
4.8		STORM SEWER, TRENCHED, RCP, CLASS III, 60 IN.	LF	193	\$ 235,00		\$ 256.00		\$ 309.00	\$ 59,637.00			\$ 275.00	\$ 53,075,00	\$ 361.00	\$ 69,673,00
4,9	<del> </del>	STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.	LF LF	2,690 524	\$ 55.00		\$ 61.00	\$ 164,090.00	\$ 71.00	\$ 190,990,00	\$ 65.00		\$ 65.00	s 174,850.00	\$ 140.00	\$ 376,600.00
4,10 4,11	+	STORM SEWER, TRENCHED, RCP, CLASS V, 18 IN. PIPE APRON, CONCRETE, 15 IN.	EA	2	\$ 60.00 \$ 1,750,00		\$ 69,00 \$ 1,990,00	\$ 36,156,00 \$ 3,980,00	\$ 78,00 \$ 1,716.00	\$ 40,872,00 \$ 3,432,00	\$ 74,00 \$ 2,200.00		\$ 72,00 \$ 2,200,00			\$ 76,504.00 \$ 3,450.00
4.12		PIPE APRON, CONCRETE, 24 IN.	EA	3	\$ 2,100,00		\$ 2,780,00		\$ 2,109.00	\$ 6,327,00			\$ 3,000,00			\$ 6,375,00
4.13	<del></del>	PIPE APRON, CONCRETE, 30 IN.	EA	3	\$ 4,000.00		\$ 3,319,00	\$ 9,957,00	\$ 2,466,00	\$ 7,398,00	\$ 3,200.00		\$ 3,500.00		\$ 2,575.00	\$ 7,725.00
4.14		PIPE APRON, CONCRETE, 42 IN.	EA	1	\$ 5,500,00		\$ 4,568.00	\$ 4,568,00	\$ 3,511.00	\$ 3,511.00	\$ 5,300.00		\$ 5,000,00		\$ 3,800,00	\$ 3,800.00
4.15		PIPE APRON, CONCRETE, 60 IN.	EA	1	\$ 6,500.00				\$ 5,374.00	\$ 5,374.00					\$ 6,435.00	
4.16		PIPE BEND, STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.	EA EA		\$ 600,00					\$ 1.113,00			\$ 950,00		\$ 1,620,00	\$ 1,620.00
4.17 4.18	+	PIPE BEND, STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN. PIPE BEND, STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	EA	2	\$ 750,00 \$ 900,00	\$ 750.00 \$ 1,800.00	\$ 777,00	\$ 777,00 \$ 1,980,00	\$ 896.00 \$ 1,052,00	\$ 896,00 \$ 2,104,00		\$ 1,000.00 \$ 2,200.00	\$ 850,00 \$ 1,100,00	\$ 850.00 \$ 2,200.00	\$ 1,710.00 \$ 1,780.00	
4.19		PIPE BEND, STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	EA	2	\$ 1,400.00		\$ 2,104.00			\$ 4,038.00		\$ 5,500.00	\$ 2,300,00	\$ 4,600.00	\$ 2,350.00	
4.20		SUBDRAIN, PVC, CASE A, B IN.	LF	8,683	\$ 12,00								\$ 15,00		\$ 16,75	
4.21		SUBDRAIN, PVC, BACKSLOPE, 6 IN.	LF	600	\$ 22.00		\$ 14.00	\$ 8,400.00	\$ 23,25	\$ 13,950,00	\$ 30,00		\$ 15.00		\$ 17.50	
4.22		SUBDRAIN CLEANOUT, TYPE A-1	EA	8	\$ 750,00	\$ 6,000,00	\$ 640,00		\$ 459.00	\$ 3,672.00	\$ 330,00	\$ 2,640.00	\$ 725.00	\$ 5,800.00	\$ 525,00	\$ 4,200,00
4.23		SUBDRAIN CONNECTION TO INTAKE OR STORM SEWER	EA LF	99 500	\$ 350,00	\$ 34,650.00	\$ 275.00		\$ 306.00			\$ 31,185.00	\$ 300.00	\$ 29,700.00	\$ 420.00	
4.24		FIELD TILE REPAIR AND FITTINGS, PVC, UNSPECIFIED DIA.	I.S	500	\$ 15.00							\$ 12,500,00	\$ 40.00	\$ 20,000.00	\$ 33.75	
4.25	<del> </del>	VIDEO INSPECTION OF SANITARY SEWER, STORM SEWER AND CULVERTS	1	· · · · · ·	\$ 25,000.00	\$ 25,000.00	\$ 66,400.00	\$ 66,400,00	\$ 11,747.00	\$ 11,747.00	\$ 25,000.00	\$ _25,000.00	\$ 90,000,00	\$ 90,000.00	\$ 16,275.00	\$ 16,275.00
DIVISION S	5 - WATER MAIN AND APPU	RTENANCES	1				1	\$ -								
5.1		WATER MAIN, TRENCHED, UNRESTRAINED, PVC, C900, DR18, 8 IN.	LF	75	\$ 45,00	\$ 3,375,00	34				\$ 150,00		\$ 40,00		\$ 65.00	\$ 4,875,00
5.2		WATER MAIN, TRENCHED, UNRESTRAINED, PVC, C900, DR18, 12 IN.	LF	4,541	\$50,00		30	\$ 136,230.00							\$ 57.75	\$ 262,242,75
5.3		WATER MAIN, TRENCHED, RESTRAINED, PVC, C900, DR18, 12 IN. WATER MAIN FITTINGS	LF LB	178 1.969	\$ 75.00		\$ 60.00						\$ 62,00	\$ 11,036.00	\$ 94.50	\$ 16,821.00
5.4 5.5	+	VALVE, GATE, 8 IN.	EA	1,359	\$ 8.00 \$ 1,750.00		\$ 9.00 \$ 1,532.00		\$ 7.00 \$ 1.018.00	\$ 13,783.00 \$ 1,018.00	\$ 9.75 \$ 1,400.00		\$ 10,00 \$ 1,600,00	\$ 19,690,00 \$ 1,600,00	\$ 25.25 \$ 1,575,00	\$ 49,717.25 \$ 1,575.00
5.6		VALVE, GATE, 12 IN.	EA	6	\$ 2,750.00								\$ 2,900.00		\$ 2,465.00	
5.7		FIRE HYDRANT ASSEMBLY	EA	11	\$ 5,300,00	\$ 58,300,00	\$ 4.537.00	\$ 49,907.00			\$ 4,500.00		\$ 5,000,00		\$ 4,725,00	\$ 51,975.00
5.8		FLUSHING DEVICE (BLOWOFF), 12 IN.	EA	1	\$ 4,000,00	\$ 4,000.00	\$ 4,306,00			\$ 4,028,00			\$ 4,500,00		\$ 4,410,00	\$ 4,410.00
5,9	-	FIRE HYDRANT RELOCATION	EA	3	\$ 3,500,00	\$ 10,500.00	\$ 2,222.00	\$ 6,666,00	\$ 788.00	\$ 2,364,00	\$ 2,200.00	\$ 6,600,00	\$ 2,400,00	\$ 7,200.00	\$ 3,150.00	\$ 9,450,00
DRIFTON	6 - STRUCTURES FOR SANI	TARY AND STARM SEMER	+				l		t							
6.1	- STRUCTURES FOR SANI	MANHOLE, STORM SEWER, SW-401, 48"	EA	3	s 5,000,00	\$ 15,000.00	\$ 3,807.00	\$ 11,421,00	\$ 3,385.00	\$ 10,155.00	\$ 4,100.00	\$ 12,300.00	\$ 4,100.00	\$ 12,300.00	\$ 3,725.00	\$ 11,175.00
6.2		MANHOLE, STORM SEWER, SW-401, 60"	EA	2	\$ 9,000.00	\$ 18,000,00	\$ 9,421.00	\$ _18,842.00	\$ 8,072.00	\$ 16,144,00	\$ 7,600,00	\$ 15,200.00	\$ 10,000,00	\$ 20,000.00	\$ 9,290.00	\$ 18,580,00
6.3		MANHOLE, STORM SEWER, SW-401, 72"	EA	1	\$ 11,000.00	\$ 11,000.00		\$ 5,809.00	\$ 5,784,00	\$ 5,784.00		\$ 7,000.00	\$ 6,300,00	\$ 6,300.00	\$ 6,510,00	\$ 6,510,00
6.4		MANHOLE, STORM SEWER, SW-401, 108"	EA	1	\$ 17,000.00	\$ 17,000,00		\$ 21,443.00	\$ 19,422.00			\$ 21,500,00	\$ 23,000.00	\$ 23,000.00	\$20,210.00	\$ 20,210,00
	1	MANHOLE, STORM SEWER, SW-402, 6' X 6'	EA EA	1 12	\$ 5,000,00	\$ 5,000,00	\$ 9,783.00		\$ 11,200,00		\$ 8,500,00	\$ 8,500,00	\$ 10,500,00	\$ 10,500,00	\$ 13,125,00	\$ 13,125,00
6,5			ı EA	12	\$ 2,500,00	\$ 30,000.00	\$ 2,446.00	\$ 29,352,00 \$ 32,560,00	\$ 2,543.00 \$ 4,737.00		\$ 2,400,00 \$ 4,250.00	\$ 28,800,00	\$ 2,600,00	\$ 31,200.00 \$ 34,400.00	\$ 3,415.00 \$ 5,405.00	\$ 40,980,00
6,6		INTAKE, SINGLE GRATE WITH MANHOLE SW.503	EΔ	R	e / 100.00							\$ 34,000.00	\$ 4,300,00			\$ 43,240.00
6,6 6.7		INTAKE, SINGLE GRATE WITH MANHOLE, SW-503	EA EA	8 3	\$ 4,400,00		\$ 4,070.00									\$ 44 805 00
6,6		INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD1			\$ 8,300.00	\$ 24,900.00	\$ 13,782.00	\$ 41,346.00	\$ 9,775.00	\$ 29,325.00	\$ 6,100.00	\$ 18,300.00	\$ 15,000,00	\$ 45,000.00	\$ 14,965.00	\$ 44,895.00 \$ 30,970.00
6,6 6.7 6.8		INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD1 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, DOUBLE GRATE, SW-505	EA EA	3 2 11				\$ 41,346.00 \$ 29,812,00		\$ 29,325.00 \$ 34,064.00	\$ 6,100.00 \$ 11,300.00		\$ 15,000,00		\$ 14,965.00 \$ 15,485.00	\$ 30,970,00
6,6 6.7 6.8 6.9 8.10 6.11		INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505	EA EA EA	3 2 11 3	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,600,00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,866.00	\$ 41,346.00 \$ 29,812,00 \$ 39,633.00 \$ 20,598.00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,868,00	\$ 29,325.00 \$ 34,064.00 \$ 44,913.00 \$ 26,604.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350,00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00	\$ 15,000,00 \$ 15,500,00 \$ 4,000,00 \$ 7,000,00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12		INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD1 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, SOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 MOD1	EA EA EA EA	3 2 11 3	\$ 8,300.00 \$ 9,500,00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,600.00 \$ 6,500.00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,666.00 \$ 13,469,00	\$ 41,346.00 \$ 29,812,00 \$ 39,633.00 \$ 20,598.00 \$ 13,469.00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,868,00 \$ 14,458,00	\$ 29,325.00 \$ 34,064.00 \$ 44,913.00 \$ 26,604.00 \$ 14,458.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 10,500.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 14,000,00	\$ 14,965,00 \$ 15,485,00 \$ 5,145,00 \$ 8,505,00 \$ 14,700,00	\$ 30,970,00 \$ 56,595.00 \$ 25,515.00 \$ 14,700.00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13		INTIACE, SINGLE GRATE WITH MANHOLE, SW-503 INTACE, SINGLE GRATE WITH MANHOLE, SW-503 MOD1 INTACE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTACE, SOUBLE GRATE, SW-505 INTACE, DOUBLE GRATE, SW-505 INTACE, DOUBLE GRATE, SW-505 MOD1 INTACE, DOUBLE GRATE, SW-505 MOD3 INTACE, DOUBLE GRATE, SW-505 MOD3 INTACE, DOUBLE GRATE SW-505 MOD3 INTACE, DOUBLE GRATE SW-505 MOD3	EA EA EA EA EA	3 2 11 3 1	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 7,300.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,600.00 \$ 5,500.00 \$ 21,900.00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,866.00 \$ 13,469.00 \$ 6,300.00	\$ 41,346,00 \$ 29,812,00 \$ 39,633,00 \$ 20,598,00 \$ 13,469,00 \$ 18,900,00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,868,00 \$ 14,458,00 \$ 7,251.00	\$ 29,325.00 \$ 34,064.00 \$ 44,913.00 \$ 26,604.00 \$ 14,458.00 \$ 21,753.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 6,600.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 19,500.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 14,000,00 \$ 19,500,00	\$ 14,965,00 \$ 15,485,00 \$ 5,145,00 \$ 8,505,00 \$ 14,700,00 \$ 7,610,00	\$ 30,970,00 \$ 56,595.00 \$ 25,515.00 \$ 14,700,00 \$ 22,830,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13		INTAKE, SINGLE GRATE WITH MANHOLE, SW-508 INTAKE, SINGLE GRATE WITH MANHOLE, SW-509 MOD1 INTAKE, SINGLE GRATE WITH MANHOLE, SW-509 MOD3 INTAKE, DOUBLE GRATE, SW-509 INTAKE, DOUBLE GRATE, SW-509 INTAKE, DOUBLE GRATE, SW-509 MOD1 INTAKE, DOUBLE GRATE, SW-509 MOD3 INTAKE, DOUBLE GRATE, SW-509 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-509 MOD1 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-509 MOD1	EA EA EA EA EA EA	3 2 11 3	\$ 8,300.00 \$ 9,500,00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 7,300.00 \$ 8,000.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,600.00 \$ 5,500.00 \$ 21,900.00 \$ 24,000.00	\$ 13,782.00 \$ 14,906.00 \$ 3,603.00 \$ 6,666.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00	\$ 41,346,00 \$ 29,812,00 \$ 39,633,00 \$ 20,598,00 \$ 13,469,00 \$ 18,900,00 \$ 27,810,00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,868,00 \$ 14,458,00 \$ 7,251.00 \$ 11,780.00	\$ 29,325.00 \$ 34,084.00 \$ 44,913.00 \$ 26,604.00 \$ 11,458.00 \$ 21,753.00 \$ 35,340.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 6,500.00 \$ 8,750.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 19,500.00 \$ 26,250.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00 \$ 18,000.00	\$ 45,000.00 \$ 31,000,00 \$ 44,000.00 \$ 21,000.00 \$ 14,000.00 \$ 19,500.00 \$ 30,000.00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 7,610.00 \$ 11,550.00	\$ 30,970,00 \$ 56,595.00 \$ 25,515.00 \$ 14,700.00 \$ 22,830.00 \$ 34,650.00
6,6 6.7 6.8 6.9 6.10 6.11 8.12 6.13 6.14 6.15		INITAKE, SINGEL GRATE WITH MANHOLE, SW-503 MOD1 INTAKE, SINGEL GRATE WITH MANHOLE, SW-503 MOD1 INTAKE, SINGEL GRATE WITH MANHOLE, SW-503 MOD3 INITAKE, DOUBLE GRATE, SW-505 INITAKE, DOUBLE GRATE, SW-505 MOD1 INITAKE, DOUBLE GRATE, SW-505 MOD3 INITAKE, DOUBLE GRATE, SW-505 MOD3 INITAKE, DOUBLE GRATE WITH MANHOLE, SW-506 INITAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD1 INITAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD2 INITAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD2	EA EA EA EA EA	3 2 11 3 1 3 3	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 7,300.00 \$ 8,000.00 \$ 9,500.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,800.00 \$ 5,500.00 \$ 21,900.00 \$ 24,000.00 \$ 57,000.00	\$ 13,782.00 \$ 14,906.00 \$ 3,603.00 \$ 6,666.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,920.00	\$ 41,346,00 \$ 29,812,00 \$ 39,633.00 \$ 20,598.00 \$ 13,469.00 \$ 18,900.00 \$ 27,810.00 \$ 119,520.00	\$ 9,775.00 \$ 17,032.00 \$ 4,083.00 \$ 8,668,00 \$ 14,458,00 \$ 7,251.00 \$ 11,780.00 \$ 15,414.00	\$ 29,325.00 \$ 34,084.00 \$ 44,913.00 \$ 26,604.00 \$ 14,458.00 \$ 21,753.00 \$ 35,340.00 \$ 92,484.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 6,500.00 \$ 8,750.00 \$ 12,500.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 19,500.00 \$ 26,250.00 \$ 75,000.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00 \$ 18,000.00 \$ 14,000.00	\$ 45,000.00 \$ 31,000,00 \$ 44,000.00 \$ 21,000.00 \$ 19,500.00 \$ 30,000.00 \$ 84,000.00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 7,610.00 \$ 11,550.00 \$ 14,985.00	\$ 30,970,00 \$ 56,595.00 \$ 25,515.00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 89,910.00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 5.15 6.16		INTAKE, SINGLE GRATE WITH MANHOLE, SW-508 INTAKE, SINGLE GRATE WITH MANHOLE, SW-509 MOD1 INTAKE, SINGLE GRATE WITH MANHOLE, SW-509 MOD3 INTAKE, DOUBLE GRATE, SW-509 INTAKE, DOUBLE GRATE, SW-509 INTAKE, DOUBLE GRATE, SW-509 MOD1 INTAKE, DOUBLE GRATE, SW-509 MOD3 INTAKE, DOUBLE GRATE, SW-509 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-509 MOD1 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-509 MOD1	EA EA EA EA EA EA	3 2 11 3 1 3 3 6	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 7,300.00 \$ 8,000.00 \$ 9,500.00	\$ 24,900.00 \$ 19,000.00 \$ 49,500.00 \$ 21,600.00 \$ 5,500.00 \$ 24,000.00 \$ 57,000.00 \$ 52,500.00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,666.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,920.00 \$ 20,325.00	\$ 41,346,00 \$ 29,812,00 \$ 39,633,00 \$ 20,598,00 \$ 13,469,00 \$ 18,900,00 \$ 27,810,00 \$ 119,520,00 \$ 101,625,00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,686.00 \$ 14,458.00 \$ 7,251.00 \$ 11,780.00 \$ 15,414.00 \$ 23,936.00	\$ 29,325.00 \$ 34,084.00 \$ 44,913.00 \$ 26,604.00 \$ 14,458.00 \$ 21,753.00 \$ 35,340.00 \$ 92,484.00 \$ 119,680.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,380.00 \$ 10,500.00 \$ 6,500.00 \$ 8,750.00 \$ 12,500.00 \$ 18,500.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 19,500.00 \$ 26,250.00 \$ 75,000.00 \$ 92,500.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00 \$ 19,000.00 \$ 14,000.00 \$ 22,000.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 19,500,00 \$ 30,000,00 \$ 84,000,00 \$ 110,000,00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 7,610.00 \$ 11,550.00 \$ 14,965.00 \$ 23,360.00	\$ 30,970,00 \$ 56,595.00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 89,910,00 \$ 116,800,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18		INTAKE, GINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, COUBLE GRATE, SW-505 INTAKE, COUBLE GRATE, SW-505 MOD3 INTAKE, COUBLE GRATE, SW-505 MOD3 INTAKE, COUBLE GRATE, SW-505 MOD3 INTAKE, COUBLE GRATE WITH MANHOLE, SW-506 INTAKE, COUBLE GRATE WITH MANHOLE, SW-506 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-506 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-506 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, CIRCLUAR AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLUAR AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLUAR AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLUAR AREA INTAKE, SW-512, IZ IN.	EA EA EA EA EA EA EA EA EA	3 2 11 3 1 3 3 6 5	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 7,300.00 \$ 8,000.00 \$ 9,500.00 \$ 10,500.00 \$ 1,750.00 \$ 5,200.00	\$ 24,900,00 \$ 19,000,00 \$ 49,500,00 \$ 21,600,00 \$ 5,500,00 \$ 24,000,00 \$ 57,000,00 \$ 52,500,00 \$ 1,780,00 \$ 5,200,00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,866.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,920.00 \$ 20,325.00 \$ 1,835.00 \$ 7,915.00	\$ 41,346,00 \$ 29,812,00 \$ 39,633,00 \$ 20,598,00 \$ 13,469,00 \$ 18,900,00 \$ 27,810,00 \$ 119,520,00 \$ 1,625,00 \$ 1,835,00 \$ 7,915,00	\$ 9,775.00 \$ 17,032.00 \$ 4,083.00 \$ 8,668,00 \$ 14,459,00 \$ 7,251.00 \$ 11,780,00 \$ 15,414.00 \$ 23,936.00 \$ 1,469,00 \$ 9,386.00	\$ 29,325.00 \$ 34,064.00 \$ 44,913.00 \$ 26,604.00 \$ 14,458.00 \$ 21,753.00 \$ 35,340.00 \$ 92,484.00 \$ 119,680.00 \$ 1,469.00 \$ 9,386.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 6,500.00 \$ 8,750.00 \$ 12,500.00 \$ 18,500.00 \$ 2,300.00 \$ 6,600.00	\$ 18,300.00 \$ 22,600,00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 26,250.00 \$ 75,000.00 \$ 92,500.00 \$ 2,300.00 \$ 6,600.00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00 \$ 110,000.00 \$ 22,000.00 \$ 2,000.00 \$ 3,000.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 14,000,00 \$ 30,000,00 \$ 30,000,00 \$ 44,000,00 \$ 2,000,00 \$ 110,000,00 \$ 2,000,00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 7,610.00 \$ 11,550.00 \$ 14,985.00 \$ 23,960.00 \$ 3,150.00 \$ 8,875.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 89,910,00 \$ 3,150,00 \$ 3,150,00
6.6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 5.15 6.16 6.17 6.18		INITACE, SINGEL GRATE WITH MANHOLE, SW-503 MOD1 INITACE, SINGEL GRATE WITH MANHOLE, SW-503 MOD3 INITACE, SINGEL GRATE WITH MANHOLE, SW-503 MOD3 INITACE, SINGEL GRATE, SW-505 INITACE, DOUBLE GRATE, SW-505 MOD3 INITACE, DOUBLE GRATE, SW-505 MOD3 INITACE, DOUBLE GRATE, SW-505 MOD3 INITACE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD1 INITACE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD2 INITACE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD2 INITACE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD2 INITACE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INITACE, COURLE GRATE WITH MANHOLE, SW-507 MOD2 INITACE, COURLE AREA INITACE, SW-512, IZ IN. INITACE, OPEN SIGED AREA INITACE, SW-513, 67 X G MANHOLE ADJUSTMENT, SANHARY, MINCOR	EA EA EA EA EA EA EA EA EA EA EA EA EA E	3 2 11 3 1 3 3 6 5	\$ 8,300.00 \$ 9,500.00 \$ 4,500.00 \$ 7,200.00 \$ 6,500.00 \$ 8,000.00 \$ 9,500.00 \$ 10,500.00 \$ 1,7500.00 \$ 5,200.00 \$ 5,000.00	\$ 24,900,00 \$ 19,000,00 \$ 49,500,00 \$ 21,600,00 \$ 24,000,00 \$ 24,000,00 \$ 57,000,00 \$ 5,700,00 \$ 1,750,00 \$ 5,250,00 \$ 5,250,00	\$ 13,782.00 \$ 14,908.00 \$ 3,603.00 \$ 6,866.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,520.00 \$ 10,520.00 \$ 7,915.00 \$ 2,045.00	\$ 41,246,00 \$ 29,612,00 \$ 39,633,00 \$ 20,588,00 \$ 18,900,00 \$ 27,810,00 \$ 119,520,00 \$ 119,520,00 \$ 1,835,00 \$ 7,915,00 \$ 2,045,00	\$ 9,775.00 \$ 17,032.00 \$ 4,083.00 \$ 8,858.00 \$ 14,458.00 \$ 7,251.00 \$ 11,780.00 \$ 15,414.00 \$ 23,936.00 \$ 1,469.00 \$ 9,386.00 \$ 1,739.00	\$ 29,325.00 \$ 34,084.00 \$ 44,913.00 \$ 26,664.00 \$ 14,458.00 \$ 21,759.00 \$ 35,340.00 \$ 119,680.00 \$ 1,469.00 \$ 1,469.00 \$ 1,396.00 \$ 1,739.00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,380.00 \$ 10,500.00 \$ 8,750.00 \$ 12,500.00 \$ 12,500.00 \$ 2,300.00 \$ 2,300.00 \$ 1,600.00	\$ 18,300,00 \$ 22,800,00 \$ 19,050,00 \$ 19,050,00 \$ 19,500,00 \$ 26,250,00 \$ 75,000,00 \$ 92,500,00 \$ 2,300,00 \$ 6,800,00 \$ 1,800,00	\$ 15,000.00 \$ 15,500.00 \$ 4,000.00 \$ 7,000.00 \$ 14,000.00 \$ 6,500.00 \$ 10,000.00 \$ 14,000.00 \$ 22,000.00 \$ 22,000.00 \$ 8,500.00 \$ 8,500.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 19,500,00 \$ 30,000,00 \$ 30,000,00 \$ 110,000,00 \$ 2,000,00 \$ 2,000,00 \$ 2,200,00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 7,610.00 \$ 11,550.00 \$ 23,360.00 \$ 3,150.00 \$ 3,150.00 \$ 3,875.00 \$ 1,575.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 116,600,00 \$ 3,150,00 \$ 8,875,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18		INTAKE, GINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, OPUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLARA AREA INTAKE, SW-513, IS X O' MANHOLE ADUSTMENT, SANITAKY, MINOR	EA EA EA EA EA EA EA EA EA EA EA EA EA E	3 2 11 3 1 3 3 6 5 1 1	\$ 8,300,00 \$ 9,500,00 \$ 4,500,00 \$ 7,200,00 \$ 6,500,00 \$ 7,300,00 \$ 9,500,00 \$ 10,500,00 \$ 1,750,00 \$ 5,200,00 \$ 5,000,00 \$ 5,000,00 \$ 3,500,00	\$ 24,900,00 \$ 19,000,00 \$ 49,500,00 \$ 21,600,00 \$ 5,500,00 \$ 21,900,00 \$ 24,000,00 \$ 57,000,00 \$ 52,500,00 \$ 1,750,00 \$ 5,200,00 \$ 5,000,00 \$ 5,000,00 \$ 5,000,00 \$ 5,000,00	\$ 13,782.00 \$ 14,906.00 \$ 3,663.00 \$ 6,666.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,920.00 \$ 19,820.00 \$ 1,035.00 \$ 20,325.00 \$ 1,935.00 \$ 1,915.00 \$ 1,915.00	\$ 41,246,00 \$ 29,812,00 \$ 39,653,00 \$ 20,988,00 \$ 18,909,00 \$ 18,909,00 \$ 119,520,00 \$ 101,625,00 \$ 1,835,00 \$ 2,945,00 \$ 440,00	\$ 9,775.00 \$ 17,032.00 \$ 4,083.00 \$ 8,868.00 \$ 14,459.00 \$ 17,780.00 \$ 15,414.00 \$ 23,936.00 \$ 1,469.00 \$ 1,469.00 \$ 1,739.00 \$ 1,739.00 \$ 1,030.00	\$ 29,325,00 \$ 34,084,00 \$ 44,913,00 \$ 26,604,00 \$ 14,459,00 \$ 35,340,00 \$ 92,484,00 \$ 11,469,00 \$ 1,469,00 \$ 1,469,00 \$ 1,469,00 \$ 4,120,00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 6,600.00 \$ 8,750.00 \$ 12,500.00 \$ 12,500.00 \$ 12,500.00 \$ 18,500.00 \$ 1,600.00 \$ 1,600.00 \$ 750.00	\$ 18,300.00 \$ 22,600.00 \$ 19,050.00 \$ 19,500.00 \$ 19,500.00 \$ 26,250.00 \$ 75,000.00 \$ 92,500.00 \$ 2,300.00 \$ 1,600.00 \$ 1,600.00	\$ 15,000,00 \$ 15,500,00 \$ 4,000,00 \$ 7,000,00 \$ 14,000,00 \$ 19,000,00 \$ 14,000,00 \$ 22,000,00 \$ 22,000,00 \$ 8,500,00 \$ 8,500,00 \$ 1,700,00 \$ 1,700,00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 19,500,00 \$ 30,000,00 \$ 84,000,00 \$ 110,000,00 \$ 2,000,00 \$ 2,000,00 \$ 2,000,00 \$ 3,500,00 \$ 3,500,00 \$ 3,500,00 \$ 3,500,00	\$ 14,965.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 11,550.00 \$ 14,985.00 \$ 23,360.00 \$ 3,150.00 \$ 3,150.00 \$ 1,755.00 \$ 1,155.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 116,600,00 \$ 3,150,00 \$ 3,150,00 \$ 1,575,00 \$ 4,620,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 5.15 6.16 6.17 6.18 6.19 6.20 6.21		INTAKE, SINGLE GRATE WITH MANHOLE, SW-500 INTAKE, SINGLE GRATE WITH MANHOLE, SW-500 MOD3 INTAKE, SINGLE GRATE WITH MANHOLE, SW-509 MOD3 INTAKE, COUBLE GRATE, SW-509 INTAKE, COUBLE GRATE, SW-509 MOD3 INTAKE, COUBLE GRATE, SW-509 MOD3 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 MOD2 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 MOD4 INTAKE, COUBLE GRATE WITH MANHOLE, SW-509 MOD4 INTAKE, CORD SIDEO AREA, INTAKE, SW-513, S' X 6' MANHOLE ADJUSTMENT, KANTARY, MINOR INTAKE, ADJUSTMENT, SANTARY, MINOR	EA EA EA EA EA EA EA EA EA EA EA EA EA E	3 2 11 3 1 3 3 6 5	\$ 8,300.00 \$ 9,500.00 \$ 4,550.00 \$ 7,200.00 \$ 8,500.00 \$ 8,000.00 \$ 9,500.00 \$ 10,500.00 \$ 1,750.00 \$ 5,200.00 \$ 5,200.00 \$ 5,000.00 \$ 3,500.00 \$ 3,500.00 \$ 3,500.00	\$ 24,900,00 \$ 19,000,00 \$ 49,500,00 \$ 21,800,00 \$ 5,500,00 \$ 24,000,00 \$ 57,000,00 \$ 52,000,00 \$ 57,000,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00	\$ 13,782.00 \$ 14,905.00 \$ 3,603.00 \$ 6,666.00 \$ 13,469.00 \$ 6,200.00 \$ 9,270.00 \$ 19,820.00 \$ 19,820.00 \$ 1,035.00 \$ 1,035.00 \$ 1,035.00 \$ 1,610.00 \$	\$ 41,246,00 \$ 29,812,00 \$ 39,633,00 \$ 20,598,00 \$ 13,469,00 \$ 27,810,00 \$ 119,520,00 \$ 101,625,00 \$ 101,625,00 \$ 7,915,00 \$ 2,045,00 \$ 2,465,00 \$ 3,465,00 \$ 3,46	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,665.00 \$ 14,456,00 \$ 7,251.00 \$ 11,780.00 \$ 15,414.00 \$ 23,936.00 \$ 1,739.00 \$ 1,739.00 \$ 1,739.00 \$ 1,039.00 \$ 4,617.00	\$ 29,325,00 \$ 34,084,00 \$ 44,913,00 \$ 26,664,00 \$ 21,753,00 \$ 35,340,00 \$ 119,680,00 \$ 119,680,00 \$ 1,469,00 \$ 1,739,00 \$ 1,739,00 \$ 4,120,00 \$ 1,385,00	\$ 6,100.00 \$ 11,300.00 \$ 6,350.00 \$ 10,500.00 \$ 6,500.00 \$ 12,500.00 \$ 12,500.00 \$ 12,500.00 \$ 2,300.00 \$ 2,300.00 \$ 1,600.00 \$ 1,600.00 \$ 750.00 \$ 3,100.00	\$ 18,300,00 \$ 22,800,00 \$ 45,100,00 \$ 19,050,00 \$ 19,500,00 \$ 26,250,00 \$ 75,000,00 \$ 92,500,00 \$ 2,300,00 \$ 1,600,00 \$ 1,600,00 \$ 3,000,00 \$ 3,000,00	\$ 15,000,00 \$ 16,500,00 \$ 4,000,00 \$ 7,000,00 \$ 14,000,00 \$ 6,500,00 \$ 19,000,00 \$ 12,000,00 \$ 22,000,00 \$ 2,000,00 \$ 2,000,00 \$ 3,500,00 \$ 1,700,00 \$ 4,400,00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 19,500,00 \$ 19,500,00 \$ 30,000,00 \$ 110,000,00 \$ 2,000,00 \$ 2,200,00 \$ 2,200,00 \$ 2,200,00 \$ 1,300,00 \$ 1,300,00	\$ 14,965.00 \$ 15,485.00 \$ 6,695.00 \$ 14,700.00 \$ 17,610.00 \$ 11,550.00 \$ 14,985.00 \$ 23,360.00 \$ 3,160.00 \$ 1,575.00 \$ 1,875.00 \$ 1,480.00 \$ 1,480.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 116,800,00 \$ 3150,00 \$ 3,150,00 \$ 3,875,00 \$ 1,575,00 \$ 4,620,00 \$ 5,5520,00
6,6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18		INTAKE, GINGLE GRATE WITH MANHOLE, SW-503 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD3 INTAKE, DOUBLE GRATE, SW-505 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE, SW-505 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD3 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, OPUBLE GRATE WITH MANHOLE, SW-506 MOD4 INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLARA AREA INTAKE, SW-512, IZ IN. INTAKE, CIRCLARA AREA INTAKE, SW-513, IS X O' MANHOLE ADUSTMENT, SANITAKY, MINOR	EA EA EA EA EA EA EA EA EA EA EA EA EA E	3 2 11 3 1 3 3 6 5 1 1	\$ 8,300,00 \$ 9,500,00 \$ 4,500,00 \$ 7,200,00 \$ 6,500,00 \$ 7,300,00 \$ 9,500,00 \$ 10,500,00 \$ 1,750,00 \$ 5,200,00 \$ 5,000,00 \$ 5,000,00 \$ 3,500,00	\$ 24,900,00 \$ 19,000,00 \$ 49,500,00 \$ 21,800,00 \$ 5,500,00 \$ 24,000,00 \$ 57,000,00 \$ 52,500,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00 \$ 5,200,00	\$ 13,782.00 \$ 14,906.00 \$ 3,663.00 \$ 6,666.00 \$ 13,469.00 \$ 6,300.00 \$ 9,270.00 \$ 19,920.00 \$ 19,820.00 \$ 1,035.00 \$ 20,325.00 \$ 1,935.00 \$ 1,915.00 \$ 1,915.00	\$ 41,246,00 \$ 29,812,00 \$ 39,653,00 \$ 20,598,00 \$ 13,469,00 \$ 17,810,00 \$ 119,520,00 \$ 101,625,00 \$ 7,915,00 \$ 7,915,00 \$ 2,045,00 \$ 12,660,00 \$ 12,660,00 \$ 12,660,00 \$ 11,740,00	\$ 9,775.00 \$ 17,032.00 \$ 4,063.00 \$ 8,665.00 \$ 14,459.00 \$ 7,251.00 \$ 15,414.00 \$ 15,414.00 \$ 23,396.00 \$ 1,739.00 \$ 1,739.00 \$ 1,739.00 \$ 1,030.00 \$ 4,517.00	\$ 29,225,00 \$ 34,084,00 \$ 44,915,00 \$ 26,694,00 \$ 21,753,00 \$ 92,484,00 \$ 119,680,00 \$ 1,489,00 \$ 1,739,00 \$ 1,739,00 \$ 1,355,00 \$ 1,355,00 \$ 13,551,00 \$ 20,680,00 \$ 20,680,00	\$ 6,100.00 \$ 11,300.00 \$ 4,100.00 \$ 6,350.00 \$ 10,500.00 \$ 8,750.00 \$ 12,500.00 \$ 12,500.00 \$ 18,500.00 \$ 2,300.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00 \$ 16,000.00	\$ 18,300.00 \$ 22,600.00 \$ 45,100.00 \$ 19,050.00 \$ 19,500.00 \$ 26,250.00 \$ 75,000.00 \$ 92,500.00 \$ 6,600.00 \$ 1,800.00 \$ 3,000.00 \$ 3,000.00 \$ 3,000.00 \$ 9,300.00 \$ 9,300.00	\$ 15,000.00 \$ 15,500.00 \$ 1,000.00 \$ 1,000.00 \$ 10,000.00 \$ 10,000.00 \$ 10,000.00 \$ 2,000.00 \$ 2,000.00 \$ 2,000.00 \$ 1,700.00 \$ 1,700.00 \$ 1,400.00 \$ 4,400.00	\$ 45,000,00 \$ 31,000,00 \$ 44,000,00 \$ 21,000,00 \$ 19,500,00 \$ 19,500,00 \$ 30,000,00 \$ 110,000,00 \$ 2,000,00 \$ 2,200,00 \$ 2,200,00 \$ 2,200,00 \$ 1,300,00 \$ 1,300,00	\$ 14,985.00 \$ 15,485.00 \$ 5,145.00 \$ 8,505.00 \$ 14,700.00 \$ 11,550.00 \$ 11,550.00 \$ 23,360.00 \$ 3,150.00 \$ 1,155.00 \$ 1,155.00 \$ 1,155.00 \$ 1,185.00 \$ 1,185.00	\$ 30,970,00 \$ 56,595,00 \$ 25,515,00 \$ 14,700,00 \$ 22,830,00 \$ 34,650,00 \$ 116,800,00 \$ 3,150,00 \$ 3,875,00 \$ 1,575,00 \$ 4,620,00 \$ 5,5520,00



#### Tabulation of Bids West Des Moines, IA Booneville Road improvements

#### City Project Number: 0\$10-088-2017 Fath Project Number: 18W019.01



Oale. Wednesday, April 10, 20	119			Engli		Absoluta Conc	rete Construction		unimicit (	Corell Co			setton Group LLC		hnology inc
4 NO 11EM CODE	HEM DESCRIPTION			Opinion			tor, IA		oines, iA	Des Mole			40, IA	Grima	
		UNII	QUANTITY	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUNTOTAL.	UNIT PRICE	SUBTOT
SION 7 - STREETS AND RELAT												l			
1	PAVEMENT, REINFORCEO PCC, CLASS C. 6 IN	SY	1,647	\$ 48.00 S	/9,058 00	\$ 58 10		\$ 56.00 \$	92.237 00	5 58.00 \$	95,528.00	\$ 87.00	\$ 93.879.00	4 63 00 · :	103
	PAVEMENT, REINFORCED PCC, CLASS C-SUD, B IN	Sγ	18,230	\$ 54.00 S	787,900,00	\$ 6876	1.072,716,25	\$ 58.65 \$	1.070,890 35	3 61,70 \$	1,126,580,30	\$ 60.50	1,104,669.50	\$ 63.25	1 154
.9	CUT-OFF WALL	LF	568	\$ 135.00 \$	49,600.00	\$ 76.00	27,968,00	\$ 70.00	25.760.00	\$ 78.00 1	28,704.00	\$ 105.00	38,640.00	\$ 100 00 1	30
.4	GRANULAR SURFACING	TON	445	\$ 30.00 \$	13,350.00	\$ 20 05	11,850.26	\$ 30.00 5	17,356.00	5 34.00 \$	15,130.00	5 3000	\$ 13,350 PO	5 27 50 3	17
.5	REMOVAL OF SIDEWALK, SHARED USE PATH OR DRIVEWAY	SY	14	8 15.00 \$	210 00	\$ 51 25		\$ 38.00 \$	532.00	\$ 120.00   \$	1,680.00	\$ 55.00	770.00	5 52 50 1	
.6	SIDEWALK, PCG, 4 IN	SY	1,790	\$ 35.00 \$		\$ 58.75		5 36.70 5		\$ 37.80 \$	67,602,60	\$ 39.00		\$ 60.25	
.7	SIDEWALK, PCC, 6 IN	SY	103	3 65 00 S		\$ 95.50		\$ 57.00		\$ 50.00 \$	6,056 40	\$ 60.00		\$ 137.50	
.e	DETECTABLE WARNING	SF	128	5 45 00   S		\$ 38.60		\$ 46.00 \$		\$ 47.25 \$	6,048 00	\$ 50.00		1 33.75	
0	DRIVEWAY, PGC, GIN	ŠΥ	696	5 4400 5				\$ 56.00 \$		\$ 67.75 \$				\$ 64.85	
10	PAVEMENT REMOVAL	SY	270	3 12 00 S		5 62 00					40, 194,00	\$ 07.00			
11	TEMPORARY GRANULAR SURFACING	ION	1.500			\$ 25.85		5 24.30 3		\$ 13,00 \$	3,510.00	3 27.00		20.25	
**	The other state of the state of			\$ 30.00 \$	45 000.00	\$ 30,75	46,125,00	\$ 35 00 1	52.500.00	46 00 1	67,500.00	\$ 32 DO	t i4a oou oo	\$ 31.50	4
						<u> </u>		ļ							
HON 8 - TRAFFIC SIGNALS AN					····										
· <u>1</u>	PAINTED PAVENENT MARKINGS, SOLVENT/WATERBORNE	STA	127 17	\$ 00,00 \$	7,941 05	S 55.35		\$ 55.00 3		\$ 50.00 1	7.208.03	\$ 70.00	8 8,561.90	\$ 26.75	
.2	PAINTED SYMBOLS AND LEGENDS	EΛ	20	\$ 150.00 \$	3,000.00	\$ 87.15	1,743.00	\$ 67.00 \$	1.740.00	\$ 93,00 1	1,860.D0	\$ 95,00	1,900.00	\$ 60.25	
.3	TEMPORARY TRAFFIC CONTROL	15	1	\$ 15,000,00 S	15,000.00	S 6 850.00	8 850.00	\$ 167,000.00	167,300.00	\$ 97,300.00 \$	97 300 DO	\$ 140,000 00	\$ 140,000.00	\$ 71,445,00	7
4	PORTABLE DYNAMIC MESSAGE SIGNS	CDAY	14	\$ 100.00 \$		\$ 130,00		5 12/00 5	1.778 00	\$ 137,00 \$	191800	\$ 135.00	1,800.00	\$ 13100 3	
		L						i						[	
ION 9 - SITE WORK AND LAN	IDSCAPING	1				1						I		I	
1	CONVENTIONAL SEEDING, FERT, TYPE 1 (PERM. LAWN MIX.)	ACRE	0.00	\$ 2,000,00 \$	1 800.00	\$ 2,850.00	2 565.00	\$ 10/1.00 \$	903 90	\$ 1,075.00   \$	967.50	\$ 1,100,00	\$ 590,00	\$ 1,105.00	
2	CONVENTIONAL SEEDING, FERT., TYPE 2 (PERM. COOL-SEASON MIX.)	ACRE	13,44	\$ 1,500,00 S		S 960.00	12,768,00	S 580.00 1	9,260 16	\$ 690,00 \$	9.273 60	\$ /50.00		\$ 710 00	
3	HYDRAULIC SEEDING, FERT & MULCH, TYPE 1 (PERM LAWN MIX.)	ACRE	8.03	\$ 2,750.00 \$	22,220.00	S 3,600,00	28 280.00	\$ 2.652.00	21,429 18	5 2,685 DO \$	21,533.20	\$ 2,600,00		3 2,730,00	·
A	HYDRAULIC SEEDING, FERT, & MULCH, TYPE 4 (URBAN TEMP MIX.)	ACRE	22,42												
5	500	SQ	766	\$ 1,100,00 \$	24 662 00	\$ 2,000,00	44 840.00	\$ 1,479,00		\$ 1,485.00 \$	33.293.70	3 1.000 00		3 1,525.00	·
	PLANT, WITH WARRANTY (OVERSTORY TREE)	FA	21	\$ 90.00 \$		8 90,00	118 940,00	\$ 6000 \$		\$ 65.00 \$	00.066.00	5 70.00		\$ GB.25	
<u> </u>			21	\$ 500.00 \$	10,500,00	\$ 560.00	11 650 00	5 Y65,00 S	16,065.00	\$ 708.00 \$	16.128.00	S 825 00		1 790,00_1	
'	PLANI WITH WARRANTY (EVERGREEN TREE)	EA	4	\$ 350.00 \$	1.400.00	S 450 00		5 454.00 3	1,816.00	\$ 455.00 \$	1,820.00	5 475,00		5 407.50	
3	PLANT WITH WARRANTY (UNDERSTORY TREE)	EA	32	\$ 350.00 \$	11,200 00	S 550.00	17,500.00	\$ 434.00	13,888,00	S 435.00 S	13.920.00	\$ 4/5.00	\$15,200.00	\$ 446.75	<u> </u>
3	PLANT, WITH WARRANTY (SHRUB)	EA	87	5 100.00 \$	8,700 00	S 75.00	6,625.00	5 61.00 3	5,307.00	\$ 81.00 \$	5,307,00	\$ 75.00	8 8.625.00	\$ 63.00 3	į.
i	STORWWASER POLLUTION PREVENTION PLAN (SWPPP), PREP, &	LS													
10	MANAGEMENT			\$ 7,600,00 \$	7,500,00	5 5,000.00	5,000.00	\$ 5,100.00 \$	5,100,00	5 5.125 00 \$	6,125.00	\$ 5,500,00	5,500,00	\$ 5,250.00	5
11	FILTER SOCKS, 12 IN	LF	2,482	\$ 2.50 3	6,205.00	\$ 400	9.928.00	5 2.21 5	65,659,68	\$ 2.25 \$	6,584,60	\$ 2.25	5,584,50	\$ 2.30	
12	FILTER SOCK, 12 IN., MAINTENANCE & REMOVAL	LF	2,081	\$ 0.50 \$	1,340,50	S 0.40	1,072,40	\$ 9.20 - 5	536.20	S 0.25 S	670 25	5 0.50	1.340.50		
	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE (C. SLOPE	SY	34,700	ł											
.13	TEAM COURT TO CASE OF CONTROL OF THE PER PER PER PER PER PER PER PER PER PE	3,	34,750	\$ 200 \$	89,400 00	3 200	69,400.00	\$ 1,19 5	41,293.00	\$ 1.20 \$	41,640,00	\$ 1.30	45,110,00	\$ 126 5	5 4
14	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 2D, DITCH	SY	6457			1						}			
	'RIP RAP, CLASS F	TON		\$ 3.00 \$		\$ 250		1.29_1		\$ 1.30 \$	887.10	5 140		\$ 1.35	
.16			195	\$ 80.00 \$		\$ 56.50		S 55.00 5		\$ 80.00 \$	16.600 NO	\$ 60.00		\$ 6800 1	
18	EROSION STONE	TON	295	\$ 60.00 S	14,750.00	\$ 46.15		5 44.00	12,990.03	\$ 70.00 \$	20.050.00	\$ 50.00		\$ 47.26	
17	SRT FENCE, INSTALLATION	l.F	13,725	\$ 150 S	20,587,50	S 1.45	19,901.25	5 143 5	19 626 75	\$ 1.45 5	19.901.25	\$ 1.76	\$ 24,019.7b	\$ 150	<b>.</b>
1B	SILT FENCE, REMOVAL OF SEDIMENT	UF	800,1	\$ 0.10 . \$	109.80	S 0.05	54,90	\$ 0.20	219.00	\$ 0.25 S	274.60	\$ 0.50:	549 00	0.25	,
ID .	SILT FENCE, REMOVAL OF DEVICE	Ų.	14,823	\$ 0.10 \$	1,482.30	0 :		5 005 5		\$ 0,05 S	741 15	5 025	3,705.76	S 0.05 (	
20	EROSION CONTROL MULCHING, CONVENTIONAL	ACRE	22 42	\$ 550.00 \$	12,331,90	\$ 725.00				\$ 461.00 \$	KU 335 62	\$ 500.00			
11	EROSION CONTROL MULCHING, HYDROMULCHING	ACRE	72 42	\$ 1.100.00 \$		£ 1.500.00		5 1,403.00 \$		\$ 1,410.00 \$	31 612.20	\$ 1,500 DO			
22	INLET PROTECTION DEVICE	EA	ES.	\$ 150.00 \$		\$ 150,00		5 143 00 S		\$ 143.00 \$	9.009.00	\$ 160.00		\$ 147.00	
73 (	GATE, FIELD FENCE, 10 FT	EA	2	5 300,00 5		\$ 725.05		1 122 00 3		\$ 330.00 \$	660 00	1 1200.00		s 315.00 )	
24	GATE, FIELD FENCE, 12 FT	EA.													
25	GATE, FIELD FENCE, 10 FT	EA	<u>-</u>	\$ 400.00 \$		\$ P65.50		\$ 1.183.00 \$		\$ 355.00   \$	710.00	\$ 1,300,00		\$ 340.00	
	GATE FIELD FENCE 18 FT	EA		\$ 600.00 \$		\$ 1347.00 :	2.694.00	\$ 1,205.00 \$		5 410.00 \$	620 00	\$ 1.400,00		\$ 395.00	
t	FIELD FENGE	- EA	· · · · · · · · · · · · · · · · · · ·	\$ 750,00 \$	760 00	\$ 1,500,60		\$ 1,311.00		\$ 440.00 \$	440 00	\$ 1,500.00		\$ 420.00	
7		1 -	2,0*5	\$ 12 00 S		8 21.08		\$ 10 00 1		s 000 S	13.695,00	\$ 10,50		5 0.00	
9	WOOD FENCE	LF	452	\$ 50.00 5		\$ 42.00 °	18.094.00	\$ 24.00 5		\$ <u>15</u> 50 \$	7,008.00	\$ 26,00	11,752,00	\$ 14.75	5
l	REMOVAL OF FENCE	LF	2,103	\$ 2.00 \$	4,300.00	\$ 2.05	4,495 65	\$ 2.04 5	4,473 72	\$ 190 \$	4,166,70	5 2,00	\$ 4,386.00	5 136 1	١
0	DECORATIVE MONUMENT, STYLE A	EA	2	\$ 25,000.00 \$		\$ 30,600.00	B1,200 00	\$ 29,300.00 \$	\$ 58,600.00	\$ 29,500 00 \$	59,000,00	\$ 33,000.00	\$ 60,000.00	\$ 25,228.00	<b>.</b>
1	DECORATIVE MONUMENT, STYLE B	EA	2	3 25.000.00 S	60,000,00	\$ 30,000,00	60,000 00	\$ 22,600.00	45,200,00	\$ 74.500.00 \$	49,000,00	\$ 25,000.00	\$ 50,000.00	\$ 23,900.00	
		-						1							
ON 18 - DEMOLITION	Not Used	1				I		1				l		l	
			l			I		·				I		l i	
N 11 - MISCELLANEOUS						1		!				· · · · · · · · · · · · · · · · · · ·		[ t	
	CONSTRUCTION SURVEY	18	l	\$ 45,000.00 \$		1-				• 70 70 00 -	no the con-			h	
	MAINTENANCE OF POBTAL SERVICE	1.5			46,000.00	5 72,000,00		\$ 70,400.00 1	70.400.00	\$ 76,750.00 5	76.780.00	3 83,000,00		1 /3,315,40	
2	MAINTENANCE OF POUR ALL SERVICE			\$ 7,500,00 \$	7.500 00	3 2.050 00		5 2,040 00 5	2 040 00	\$ 2,209.00 5	2,200,00	\$ 2,200.00		2 2 636 00	
3		LS		\$ 7,500,00 S		5 15,000.00		S 14.500.00 5	14.600.00	\$ 20,000,00 5	20 000 na	\$ 4,500.00		1 3,265.00	
4	CONCRETE WASHOUT	ŁS	<u> </u>	\$ 12,000,00 \$	12,000.00	\$ 10,000,00	10,000.00	\$ 7.360.00	1,350,00	\$ 7,340.00 \$	7,340,00	5 7,200.00	\$ 7.200.00	\$ 15,000,00	<u> </u>
·		Į				L		I						L	
ON 12 - STRUCTURES	Not Used					l						L		L	
L BASE BID				\$	4,683,869.65	1	4,759,675.53		\$ 4,806,677.75	- 5	4,837,613.45		\$ 4,950,164.55	I	\$ 5,535
			Bid Bortl/Check				У		· · ·		X		Y		

I hereby contry that this is a true and coffect tabulation hide receive on April 18-200 for the Booneville Robel Improvements. City Policet Number #510,408-2117# West Das Moifes. IA - 2019

Brodey Hopkey, PE Ladrisa No Justis Optio

Foin Intrestructure Environment, ELC 8191 Bectwood Court, Subir I, Johnston, India 03131 Phone: 515-254 1942 Fee: 515-754-1942

Dwe Propried #10/2015 Data Francel #10/2019 Graw Westenram Jesthah 1402/55626; Bid Tan-2019-0410-Boomwille Model Jess





From time to time, Indiana American Water adds to our family of customers by acquiring water and wastewater systems across the state. For many of these new customers, we often are able to help them by bringing many advantages to their community and operations, including:

- 24/7 customer service and payment options
- Access to industry-leading expertise and knowledge
- Capital to invest in local water & wastewater infrastructure
- Best practices, efficiencies and economies of scale
- Sale proceeds and new property tax revenue to address other community issues

These new customers also benefit from our employee dedication to water quality, environmental stewardship and community involvement. Our company's record of compliance with drinking water standards is significantly better than the average water utility in Indiana. From serving in leadership roles in community and economic development groups to supporting charitable, environmental, and service organizations, our employees take an active role in the communities we serve.



A. Yes. Under Indiana American ownership the customers will also benefit by leveraging
Indiana American's ability to purchase materials and services at more effective costs
due to the size of the company. Beyond bulk pricing, from which customers benefit,
Indiana American makes purchasing and contracting decisions based on the experience
of an industry leader which stays ahead or abreast of industry trends such as identifying
manufacturing defects or shortcomings of materials before they become (bigger)
problems.

# 8 Q. Will Indiana American improve day-to-day operations?

9

10

11

12

13

14

15

16

17

18

19

20

21

2.2.

23

A.

Yes. Operationally, Indiana American prides itself on safety and efficiency. Our experience with neighboring systems and systems we have acquired has demonstrated that not every system is operated as is ours. We have previously identified that Wastewater One has two individuals who operate the systems. Indiana American will have an entire team of water and wastewater professionals from our Southern Indiana Operations facility available to address needs of these systems. Operations of the systems will be coordinated with activities at Charlestown by our team from the SIO location in Jeffersonville. We will not need to hire any additional staff to fully operate and maintain the systems. Our team includes licensed plant operators, electricians and SCADA operators which will allow for reduced operational costs and increased efficiency through dispatch of employees and use of technology to manage the systems. Our team will GPS locate and map the assets of the systems which will allow for more efficient operation and response to main breaks or other maintenance concerns. Additionally, all maintenance and operations records will be converted from paper, which is how they are kept by Wastewater One, to our electronic systems using the

# Q. What do you mean by economies of scale?

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22.

23

A.

Economies of scale as used in the Indiana Code 8-1-30.3-6 is generally understood to describe operational savings from larger size. In the utility business, it is usually expressed in terms of cost per customer. It is important, however, to know what we are comparing when we consider whether there are cost savings. This is not simply a comparison of what it costs Lowell to operate its system and what it will cost us. It is far too simplistic to compare Lowell's cost structure or rates to ours, as doing so suggests an expectation of the status quo in terms of service. Lowell has a water system that is well maintained with what appears to be a good customer experience. However, Lowell must make capital investment and operational changes that will have a significant rate impact. Long-term, Lowell will not be able to provide a sufficient level of customer service based on the capital need. Additionally, as noted by Mr. Yelkich in his testimony, the best interests of Lowell's customers is to become a part of the larger Indiana American customer base because our size will minimize rate increases and Indiana American operates in a more cost-effective manner than Lowell. You may occasionally hear us say that we are obsessed with enhancing customer experience. We have a team of professionals in Indiana that are backed by a national team of experts with access to new technology and a world class lab. Those capabilities allow us to provide a higher level of service. This is the commitment to customers that regulators, policy-makers, and customers should expect from their utility service providers. We should expect of all our utilities the type of service that Indiana American provides. The question then becomes whether it is less expensive for Indiana American to provide that level of service because of our size than it would be for Lowell to do so.