



City of Brighton

REPORT FROM THE CITY MANAGER TO CITY COUNCIL

May 17, 2018

SUBJECT **AWARD OF BID FOR THE N. SECOND STREET ROAD AND UTILITY IMPROVEMENTS TO FONSON COMPANY FOR UNIT PRICING IN THE TOTAL AMOUNT OF \$2,195,085.13 WITH A TEN PERCENT CONSTRUCTION CONTINGENCY**

BACKGROUND

To facilitate redevelopment along N. Second Street, utility service must be upsized. Currently, the 8" sanitary sewer is at capacity. Additionally, the 6" water main needs to be increased to improve water pressure and volume at the hydrants for fire suppression services. The City has one redevelopment approved and another proposed along N. Second Street that are dependent on these utility upgrades. Tetra Tech prepared and let a bid for the improvements, which were opened publicly on May 3, 2018. Three (3) bids were received with the apparent low bidder being Fonson Company. The Downtown Development Authority (DDA) has reviewed the scope of work and has approved funding the street reconstruction portion of the project with the funding for the utility upgrades coming from the Utilities Reserve Fund. The base bid consists of street reconstruction and utility upgrades with spot repairs to curb and gutter. The bid alternate consists of replacing all curb and gutter – in addition to funding the street reconstruction, the DDA has approved funding for the bid alternate at their April 17 meeting. The base bid plus the bid alternate is approximately \$206,800 below the engineers Opinion of Probable Cost for the base bid and bid alternate.

ADMINISTRATIVE SUMMARY

- Tetra Tech prepared and let a bid for road and utility improvements for N. Second Street.
- Three (3) bids were received.
- The apparent low bidder is Fonson Company with a base bid of \$2,070,796.13 and a bid alternate of \$124,289 for a total of \$2,195,085.13 for unit pricing.
- Utility upgrades are needed to support the multi-family development of Second Street Flats located on the corner of N. Second and Center streets, and any future proposed developments along N. Second Street.
- The funding for the utility portion of the upgrades will come from the Utility Reserves Fund (\$1,265,495.14) and the DDA will cover the costs associated with the street reconstruction, including the bid alternate (\$929,589.99).

RECOMMENDATION

It is recommended that City Council approve the base bid for the N. Second Street Road and Utility Improvements and the bid alternate for the replacement of curb and gutter to Fonson Company for unit pricing in the total amount of \$2,195,085.13 with a ten (10) percent construction contingency. It is further recommended that City Council authorize the City Manager to sign the notice of award to Fonson Company and the construction agreement once the required insurance and bonding documentation is received and reviewed by the City Attorney.

Prepared by: Brandon Skopek, Assistant to the City Manager/DDA Coordinator

Reviewed by: Marcel Goch, DPW Director



City of Brighton

REPORT FROM THE CITY MANAGER TO CITY COUNCIL

May 17, 2018

Approved by: Nate Geinzer, City Manager

Attachments: 1. Tetra Tech Recommendation of Award Dated May 8, 2018 and Amended May 14, 2018
2. Tetra Tech Opinion of Probable Construction Cost Dated May 14, 2018



May 8, 2018 (Amended May 14, 2018)

Mr. Nate Geinzer, City Manager
 City of Brighton
 200 North First Street
 Brighton, MI 48116

**Re: North Second Street Road and Utility Improvements
 Recommendation of Award**

Dear Mr. Geinzer:

On behalf of the City of Brighton, bids were received for the North Second Street Road and Utility Improvements, Contract 12766-15005-SW-1, on Thursday, May 3, 2018, at 10:00 a.m. Three (3) bids were received and publically opened. The project is based on unit prices with lump sum pricing for certain line items. The bid included an additive alternate for replacing all curb and gutter within the project limits instead of the spot repair of the existing curb and gutter included in the base bid.

We have reviewed the provided “Bid Unit Price” with the “Bid Price” for all Contractor bids received. The below tables compare Bid Price from the Contractor’s Bid Form to the calculated Extended Bid Price. The Extended Bid Price, as defined in the bidding documents, is the Contractor’s Unit Price bid multiplied by the Estimated Quantity listed on the Bid Form. The Extended Bid Price Tables are included as an attachment for the City’s reference and files. Discrepancies were found in 2 of the 3 bids. In cases of discrepancies, the Extended Bid Price is prevalent.

Bidder 1 Summary Table				
Fonson Company, Inc.	Item	Contractor Bid Price	Extended Bid Price Verification	Bid Discrepancies
	Base Bid	\$2,070,809.73	\$2,070,796.13	Deduct \$13.60
7644 Whitmore Lake Road, Brighton, MI 48116	Alternate 1	\$124,289.00	\$124,289.00	
	Base Bid with Alternate 1	\$2,195,098.73	\$2,195,085.13	Deduct \$13.60

Bidder 2 Summary Table				
Dan’s Excavating, Inc.	Item	Contractor Bid Price	Extended Bid Price Verification	Bid Discrepancies
	Base Bid	\$2,256,881.82	\$2,256,881.82	
12955 23 Mile Rd. Shelby Township, MI 48316	Alternate 1	\$130,599.60	\$130,599.60	
	Base Bid with Alternate 1	\$2,387,481.42	\$2,387,481.42	

Bidder 3 Summary Table				
C&D Hughes, Inc.	Item	Contractor Bid Price	Extended Bid Price Verification	Bid Discrepancies
	Base Bid	\$2,127,031.15	\$2,127,031.15	
3097 Lansing Road Charlotte, MI 48813	Alternate 1	\$161,500.00	\$180,970.00	Add \$19,470.00
	Base Bid with Alternate 1	\$2,288,531.15	\$2,308,001.15	Add \$19,470.00

Fonson Company was the apparent low bidder with a base bid of \$2,070,796.13 (\$2,195,085.13 with Alternate 1). Tetra Tech and the City have successfully worked with this Contractor in the past. We also have reviewed the Contractor’s Qualification Statement and it appears there are no major indicators that lead Tetra Tech to believe that Fonson Company will not be a responsive contractor. Fonson’s Base Bid plus Alternate 1 is approximately \$206,800 below the Engineers Opinion of Probable Construction Cost for the Base Bid plus Alternate 1. Fonson’s Base Bid of \$2,070,796.13 is approximately \$135,000 below the Engineers Opinion of Probable Construction Cost for the Base Bid.

After reviewing the bids received, we recommend the City accept the bid from Fonson Company based on the unit prices presented which when applied to the estimated quantities of work yields a corrected bid amount of \$2,070,796.13. If it is the City’s desire to replace all the curb and gutter rather than spot repairs, then the City would authorize the approval of Alternate 1 in the amount of \$124,289.00 for a total bid amount of \$2,195,085.13. We further recommend the City authorize the signing of the Agreement, once the required insurance and bonding documentation is received. A notice of Award is attached for the City’s signature to notify the bidder of the City’s intent to enter into a contract for the work.

Once the contract documents are fully executed we will schedule a preconstruction meeting with Fonson Company and City staff to initiate the construction phase of the work.

We look forward to working with Fonson Company and the City in the completion of this project.

Please call if you have any questions.

Sincerely,



Gary J. Markstrom, P.E.
 Unit Vice President



Kari L. Jozwik, P.E., LEED AP
 Project Engineer

Attachment: 00540 - Notice of Award
 Extended Bid Prices

SECTION 00540 - NOTICE OF AWARD

Date of Issuance:

Owner:	City of Brighton	Owner's Contract No.:	12766-15005-SW-1
Engineer:	Tetra Tech	Engineer's Project No.:	200-12766-15005
Project:	North Second Street Road and Utility Improvements, Mill Pond Lane To Cross Street	Contract Name:	
Bidder:	Fonson Company, Inc.		
Bidder's Address:	7644 Whitmore Lake Road Brighton, MI 48116		

TO BIDDER:

You are notified that Owner has accepted your Bid dated May 3, 2018 for the above Contract, and that you are the Successful Bidder and are awarded a Contract for:

North Second Street Road and Utility Improvements Base Bid with Alternate 1.
[describe Work, alternates, or sections of Work awarded]

The total for all unit prices establishes your Contract Price as \$2,195,085.13.

[5] unexecuted counterparts of the Agreement will be transmitted separately.

a set of the Drawings will be delivered separately from the other Contract Documents.

You must comply with the following conditions precedent within 15 days of the date of receipt of this Notice of Award:

1. Deliver to Owner [5] counterparts of the Agreement, fully executed by Bidder.
2. Deliver with the executed Agreement(s) the Contract security [*Bonds*] and insurance documentation as specified in the Instructions to Bidders and General Conditions, Articles 2 and 6.
3. Deliver to Owner with copy to Engineer an acknowledged copy of this Notice of Award.
4. Other conditions precedent (if any):

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within ten days after you comply with the above conditions, Owner will return to you one fully executed counterpart of the Agreement, together with any additional copies of the Contract Documents as indicated in Paragraph 2.02 of the General Conditions.

Owner: City of Brighton

Authorized Signature

By: Nate Geinzer

Title: City Manager

Acknowledgement of Acceptance of Notice of Award

Contractor: Fonson Company, Inc.

Authorized Signature

By:

Title:

Copy: Owner
Contractor
Engineer

CITY OF BRIGHTON, MICHIGAN SECOND STREET ROAD AND UTILITY IMPROVEMENTS MILL POND LANE TO CROSS STREET EXTENDED BID PRICE TABLES CONTRACT 12766-15005-SW-1				FONSON COMPANY, INC. 7644 Whitmore Lake Road Brighton, MI 48116 810.234.5188			C&D HUGHES, INC. 3097 Lansing Road Charlotte, MI 48813 517.645.0111			DAN'S EXCAVATING, INC. 12955 23 Mile Road Shelby Township, MI 48315 586.254.2040		
BID DATE: 3-May-18 BID TIME: 10:00 AM		BIDDERS -----> 3 BIDDERS										

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT
1500001	Mobilization, Max	1	LSUM	\$84,000.00	\$84,000.00	\$84,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$198,745.00	\$198,745.00	\$198,745.00
2020002	Tree, Rem, 19 inch to 36 inch	7	Ea	\$950.00	\$6,650.00	\$6,650.00	\$1,325.00	\$9,275.00	\$9,275.00	\$1,325.00	\$9,275.00	\$9,275.00
2020004	Tree, Rem, 6 inch to 18 inch	2	Ea	\$250.00	\$500.00	\$500.00	\$300.00	\$600.00	\$600.00	\$300.00	\$600.00	\$600.00
2020008	Stump, Rem, 6 inch to 18 inch	1	Ea	\$140.00	\$140.00	\$140.00	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00
2030015	Sewer, Rem, Less than 24 inch	50	Ft	\$35.00	\$1,750.00	\$1,750.00	\$20.00	\$1,000.00	\$1,000.00	\$11.00	\$550.00	\$550.00
2037001	_ Watermain, Rem	74	Ft	\$11.00	\$814.00	\$814.00	\$50.00	\$3,700.00	\$3,700.00	\$10.00	\$740.00	\$740.00
2037050	_ Gate Box, Rem	2	Ea	\$120.00	\$240.00	\$240.00	\$500.00	\$1,000.00	\$1,000.00	\$125.00	\$250.00	\$250.00
2040020	Curb and Gutter, Rem	1,190	Ft	\$6.30	\$7,497.00	\$7,497.00	\$10.00	\$11,900.00	\$11,900.00	\$10.89	\$12,959.10	\$12,959.10
2040050	Pavt, Rem	845	Syd	\$7.40	\$6,253.00	\$6,253.00	\$15.00	\$12,675.00	\$12,675.00	\$8.15	\$6,886.75	\$6,886.75
2040055	Sidewalk, Rem	2,709	Syd	\$5.60	\$15,170.40	\$15,170.40	\$8.00	\$21,672.00	\$21,672.00	\$6.00	\$16,254.00	\$16,254.00
2050010	Embankment, CIP	860	Cyd	\$9.00	\$7,740.00	\$7,740.00	\$12.00	\$10,320.00	\$10,320.00	\$9.00	\$7,740.00	\$7,740.00
2050016	Excavation, Earth	5,400	Cyd	\$14.00	\$75,600.00	\$75,600.00	\$12.00	\$64,800.00	\$64,800.00	\$11.00	\$59,400.00	\$59,400.00
2050031	Non Haz Contaminated Material Handling and Disposa	300	Cyd	\$40.00	\$12,000.00	\$12,000.00	\$40.00	\$12,000.00	\$12,000.00	\$30.00	\$9,000.00	\$9,000.00
2050041	Subgrade Undercutting, Type II	800	Cyd	\$36.00	\$28,800.00	\$28,800.00	\$25.00	\$20,000.00	\$20,000.00	\$12.50	\$10,000.00	\$10,000.00
2080020	Erosion Control, Inlet Protection, Fabric Drop	30	Ea	\$95.00	\$2,850.00	\$2,850.00	\$100.00	\$3,000.00	\$3,000.00	\$85.00	\$2,550.00	\$2,550.00
2080036	Erosion Control, Silt Fence	300	Ft	\$1.90	\$570.00	\$570.00	\$5.00	\$1,500.00	\$1,500.00	\$1.75	\$525.00	\$525.00
2087031	_ Erosion Control, Dust Palliative Applied	34	Ton	\$245.00	\$8,330.00	\$8,330.00	\$300.00	\$10,200.00	\$10,200.00	\$45.00	\$1,530.00	\$1,530.00
2087050	_ Erosion Control, Dr Structure, Cleaning	30	Ea	\$90.00	\$2,700.00	\$2,700.00	\$110.00	\$3,300.00	\$3,300.00	\$179.00	\$5,370.00	\$5,370.00
2087050	_ Erosion Control, Street Sweeping	18	Ea	\$750.00	\$13,500.00	\$13,500.00	\$500.00	\$9,000.00	\$9,000.00	\$500.00	\$9,000.00	\$9,000.00
2090001	Project Cleanup	1	LSUM	\$3,300.00	\$3,300.00	\$3,300.00	\$3,000.00	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00	\$5,500.00
3010002	Subbase, CIP	376	Cyd	\$50.00	\$18,800.00	\$18,800.00	\$20.00	\$7,520.00	\$7,520.00	\$50.00	\$18,800.00	\$18,800.00
3020026	Aggregate Base, 10 inch	13,250	Syd	\$10.00	\$132,500.00	\$132,500.00	\$12.00	\$159,000.00	\$159,000.00	\$12.00	\$159,000.00	\$159,000.00
3060020	Maintenance Gravel	200	Ton	\$23.00	\$4,600.00	\$4,600.00	\$1.00	\$200.00	\$200.00	\$20.00	\$4,000.00	\$4,000.00
4020033	Sewer, CI A, 12 inch, Tr Det B	106	Ft	\$105.93	\$11,228.58	\$11,228.58	\$60.00	\$6,360.00	\$6,360.00	\$75.00	\$7,950.00	\$7,950.00
4027001	_ Sanitary Sewer, 12 inch, Tr Det B	3,130	Ft	\$95.00	\$297,350.00	\$297,350.00	\$125.00	\$391,250.00	\$391,250.00	\$88.73	\$277,724.90	\$277,724.90
4027001	_ Sanitary Sewer, Rem, Less than 24 inch	3,130	Ft	\$12.00	\$37,560.00	\$37,560.00	\$1.00	\$3,130.00	\$3,130.00	\$4.00	\$12,520.00	\$12,520.00
4027001	_ Sanitary Structure, Add Depth of 48 inch dia, 8 foot to	12	Ft	\$225.00	\$2,700.00	\$2,700.00	\$200.00	\$2,400.00	\$2,400.00	\$175.00	\$2,100.00	\$2,100.00
4027050	_ Sanitary Manhole Cover	12	Ea	\$840.00	\$10,080.00	\$10,080.00	\$500.00	\$6,000.00	\$6,000.00	\$550.00	\$6,600.00	\$6,600.00
4027050	_ Sanitary Sewer Drop Connection	5	Ea	\$900.00	\$4,500.00	\$4,500.00	\$1,500.00	\$7,500.00	\$7,500.00	\$1,200.00	\$6,000.00	\$6,000.00
4027050	_ Sanitary Sewer Lead	45	Ea	\$2,250.00	\$101,250.00	\$101,250.00	\$3,000.00	\$135,000.00	\$135,000.00	\$2,500.00	\$112,500.00	\$112,500.00
4027050	_ Sanitary Structure, 48 inch dia	12	Ea	\$2,800.00	\$33,600.00	\$33,600.00	\$2,500.00	\$30,000.00	\$30,000.00	\$4,800.00	\$57,600.00	\$57,600.00
4027050	_ Sanitary Structure, Rem	12	Ea	\$480.00	\$5,760.00	\$5,760.00	\$100.00	\$1,200.00	\$1,200.00	\$200.00	\$2,400.00	\$2,400.00
4030005	Dr Structure Cover, Adj, Case 1	25	Ea	\$590.00	\$14,750.00	\$14,750.00	\$500.00	\$12,500.00	\$12,500.00	\$495.00	\$12,375.00	\$12,375.00
4030010	Dr Structure Cover, Type B	7	Ea	\$430.00	\$3,010.00	\$3,010.00	\$500.00	\$3,500.00	\$3,500.00	\$500.00	\$3,500.00	\$3,500.00
4030050	Dr Structure Cover, Type K	8	Ea	\$600.00	\$4,800.00	\$4,800.00	\$600.00	\$4,800.00	\$4,800.00	\$600.00	\$4,800.00	\$4,800.00
4030112	Dr Structure Lead, Cleaning, 12 inch	1,000	Ft	\$2.00	\$2,000.00	\$2,000.00	\$2.00	\$2,000.00	\$2,000.00	\$2.00	\$2,000.00	\$2,000.00
4030200	Dr Structure, 24 inch dia	6	Ea	\$1,050.00	\$6,300.00	\$6,300.00	\$2,000.00	\$12,000.00	\$12,000.00	\$1,200.00	\$7,200.00	\$7,200.00
4030290	Dr Structure, Cleaning	10	Ea	\$100.00	\$1,000.00	\$1,000.00	\$100.00	\$1,000.00	\$1,000.00	\$179.00	\$1,790.00	\$1,790.00
4030306	Dr Structure, Tap, 6 inch	5	Ea	\$135.00	\$675.00	\$675.00	\$250.00	\$1,250.00	\$1,250.00	\$300.00	\$1,500.00	\$1,500.00
4030312	Dr Structure, Tap, 12 inch	7	Ea	\$365.00	\$2,555.00	\$2,555.00	\$500.00	\$3,500.00	\$3,500.00	\$375.00	\$2,625.00	\$2,625.00
4040063	Underdrain, Subbase, 6 inch	300	Ft	\$9.15	\$2,745.00	\$2,745.00	\$5.00	\$1,500.00	\$1,500.00	\$12.00	\$3,600.00	\$3,600.00
4040093	Underdrain Outlet, 6 inch	50	Ft	\$22.50	\$1,125.00	\$1,125.00	\$20.00	\$1,000.00	\$1,000.00	\$10.00	\$500.00	\$500.00
5010002	Cold Milling HMA Surface	1,214	Syd	\$6.00	\$7,284.00	\$7,284.00	\$5.00	\$6,070.00	\$6,070.00	\$6.00	\$7,284.00	\$7,284.00
5010005	HMA Surface, Rem	13,491	Syd	\$4.00	\$53,964.00	\$53,964.00	\$2.00	\$26,982.00	\$26,982.00	\$4.43	\$59,765.13	\$59,765.13
5010025	Hand Patching	25	Ton	\$270.00	\$6,750.00	\$6,750.00	\$270.00	\$6,750.00	\$6,750.00	\$270.00	\$6,750.00	\$6,750.00
5010050	HMA, 4E1	2,700	Ton	\$72.00	\$194,400.00	\$194,400.00	\$72.00	\$194,400.00	\$194,400.00	\$72.00	\$194,400.00	\$194,400.00
5010056	HMA, 5E1	1,113	Ton	\$78.00	\$86,814.00	\$86,814.00	\$78.00	\$86,814.00	\$86,814.00	\$78.00	\$86,814.00	\$86,814.00

CITY OF BRIGHTON, MICHIGAN SECOND STREET ROAD AND UTILITY IMPROVEMENTS MILL POND LANE TO CROSS STREET EXTENDED BID PRICE TABLES CONTRACT 12766-15005-SW-1				FONSON COMPANY, INC. 7644 Whitmore Lake Road Brighton, MI 48116 810.234.5188			C&D HUGHES, INC. 3097 Lansing Road Charlotte, MI 48813 517.645.0111			DAN'S EXCAVATING, INC. 12955 23 Mile Road Shelby Township, MI 48315 586.254.2040		
BID DATE: 3-May-18 BID TIME: 10:00 AM		BIDDERS -----> 3 BIDDERS										

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT
5010061	HMA Approach	271	Ton	\$140.00	\$37,940.00	\$37,940.00	\$140.00	\$37,940.00	\$37,940.00	\$140.00	\$37,940.00	\$37,940.00
5010806	HMA, Temp Pavt (5E3)	70	Ton	\$270.00	\$18,900.00	\$18,900.00	\$270.00	\$18,900.00	\$18,900.00	\$270.00	\$18,900.00	\$18,900.00
8010005	Driveway, Nonreinf Conc, 6 inch	753	Syd	\$32.58	\$24,532.74	\$24,532.74	\$32.58	\$24,532.74	\$24,532.74	\$29.25	\$22,025.25	\$22,025.25
8010007	Driveway, Nonreinf Conc, 8 inch	117	Syd	\$37.80	\$4,422.60	\$4,422.60	\$37.80	\$4,422.60	\$4,422.60	\$36.00	\$4,212.00	\$4,212.00
8017011	_ Driveway, Nonreinf Conc, 10 inch	43	Syd	\$44.55	\$1,915.65	\$1,915.65	\$44.55	\$1,915.65	\$1,915.65	\$46.00	\$1,978.00	\$1,978.00
8020038	Curb and Gutter, Conc, Det F4	1,250	Ft	\$16.32	\$20,400.00	\$20,400.00	\$16.32	\$20,400.00	\$20,400.00	\$17.00	\$21,250.00	\$21,250.00
8020050	Driveway Opening, Conc, Det M	231	Ft	\$16.55	\$3,823.05	\$3,823.05	\$16.55	\$3,823.05	\$3,823.05	\$18.00	\$4,158.00	\$4,158.00
8030010	Detectable Warning Surface	174	Ft	\$30.00	\$5,220.00	\$5,220.00	\$30.00	\$5,220.00	\$5,220.00	\$32.00	\$5,568.00	\$5,568.00
8030030	Curb Ramp Opening, Conc	180	Ft	\$16.32	\$2,937.60	\$2,937.60	\$16.32	\$2,937.60	\$2,937.60	\$16.00	\$2,880.00	\$2,880.00
8030034	Sidewalk Ramp, Conc, 4 inch	3,229	Sft	\$4.22	\$13,626.38	\$13,626.38	\$4.22	\$13,626.38	\$13,626.38	\$5.50	\$17,759.50	\$17,759.50
8030044	Sidewalk, Conc, 4 inch	20,829	Sft	\$2.82	\$58,737.78	\$58,737.78	\$2.82	\$58,737.78	\$58,737.78	\$2.65	\$55,196.85	\$55,196.85
8030046	Sidewalk, Conc, 6 inch	5,576	Sft	\$3.62	\$20,185.12	\$20,185.12	\$3.62	\$20,185.12	\$20,185.12	\$2.95	\$16,449.20	\$16,449.20
8037010	_ Sidewalk, Conc, 10 inch	311	Sft	\$4.95	\$1,539.45	\$1,539.45	\$4.95	\$1,539.45	\$1,539.45	\$4.00	\$1,244.00	\$1,244.00
8037010	_ Sidewalk, Conc, 8 inch	774	Sft	\$4.20	\$3,250.80	\$3,250.80	\$4.20	\$3,250.80	\$3,250.80	\$3.85	\$2,979.90	\$2,979.90
8070095	Post, Mailbox	15	Ea	\$94.00	\$1,410.00	\$1,410.00	\$100.00	\$1,500.00	\$1,500.00	\$75.00	\$1,125.00	\$1,125.00
8080004	Fence, Temp	200	Ft	\$4.00	\$800.00	\$800.00	\$2.00	\$400.00	\$400.00	\$5.00	\$1,000.00	\$1,000.00
8100371	Post, Steel, 3 lb	150	Ft	\$8.00	\$1,200.00	\$1,200.00	\$8.00	\$1,200.00	\$1,200.00	\$7.50	\$1,125.00	\$1,125.00
8100402	Sign, Type III, Erect, Salv	5	Ea	\$45.00	\$225.00	\$225.00	\$45.00	\$225.00	\$225.00	\$60.00	\$300.00	\$300.00
8100403	Sign, Type III, Rem	5	Ea	\$30.00	\$150.00	\$150.00	\$30.00	\$150.00	\$150.00	\$20.00	\$100.00	\$100.00
8100405	Sign, Type IIIB	49	Sft	\$18.00	\$882.00	\$882.00	\$18.00	\$882.00	\$882.00	\$17.00	\$833.00	\$833.00
8110041	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	510	Ft	\$5.00	\$2,550.00	\$2,550.00	\$5.00	\$2,550.00	\$2,550.00	\$5.00	\$2,550.00	\$2,550.00
8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	122	Ft	\$10.00	\$1,220.00	\$1,220.00	\$10.00	\$1,220.00	\$1,220.00	\$10.00	\$1,220.00	\$1,220.00
8110063	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	2	Ea	\$160.00	\$320.00	\$320.00	\$160.00	\$320.00	\$320.00	\$160.00	\$320.00	\$320.00
8110068	Pavt Mrkg, Ovly Cold Plastic, Only	2	Ea	\$160.00	\$320.00	\$320.00	\$160.00	\$320.00	\$320.00	\$160.00	\$320.00	\$320.00
8110231	Pavt Mrkg, Waterborne, 4 inch, White	230	Ft	\$0.12	\$27.60	\$27.60	\$0.12	\$27.60	\$27.60	\$0.12	\$27.60	\$27.60
8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	6,094	Ft	\$0.12	\$731.28	\$731.28	\$0.12	\$731.28	\$731.28	\$0.12	\$731.28	\$731.28
8120012	Barricade, Type III, High Intensity, Double Sided, Light	10	Ea	\$105.70	\$1,057.00	\$1,057.00	\$105.70	\$1,057.00	\$1,057.00	\$85.00	\$850.00	\$850.00
8120013	Barricade, Type III, High Intensity, Double Sided, Light	10	Ea	\$15.10	\$151.00	\$151.00	\$15.10	\$151.00	\$151.00	\$0.01	\$0.10	\$0.10
8120170	Minor Traf Devices	1	LSUM	\$10,500.00	\$10,500.00	\$10,500.00	\$10,000.00	\$10,000.00	\$10,000.00	\$86,838.00	\$86,838.00	\$86,838.00
8120250	Plastic Drum, High Intensity, Furn	100	Ea	\$21.14	\$2,114.00	\$2,114.00	\$21.14	\$2,114.00	\$2,114.00	\$25.00	\$2,500.00	\$2,500.00
8120251	Plastic Drum, High Intensity, Oper	100	Ea	\$1.51	\$151.00	\$151.00	\$1.51	\$151.00	\$151.00	\$0.01	\$1.00	\$1.00
8120350	Sign, Type B, Temp, Prismatic, Furn	350	Sft	\$3.20	\$1,120.00	\$1,120.00	\$3.20	\$1,120.00	\$1,120.00	\$5.00	\$1,750.00	\$1,750.00
8120351	Sign, Type B, Temp, Prismatic, Oper	350	Sft	\$0.70	\$245.00	\$245.00	\$0.70	\$245.00	\$245.00	\$0.01	\$3.50	\$3.50
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	100	Sft	\$3.30	\$330.00	\$330.00	\$3.30	\$330.00	\$330.00	\$12.00	\$1,200.00	\$1,200.00
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	100	Sft	\$0.70	\$70.00	\$70.00	\$0.70	\$70.00	\$70.00	\$0.01	\$1.00	\$1.00
8120370	Traf Regulator Control	1	LSUM	\$7,500.00	\$7,500.00	\$7,500.00	\$3,000.00	\$3,000.00	\$3,000.00	\$94,231.00	\$94,231.00	\$94,231.00
8157001	_ Root Control Barrier	195	Ft	\$25.00	\$4,875.00	\$4,875.00	\$15.00	\$2,925.00	\$2,925.00	\$33.98	\$6,626.10	\$6,626.10
8157050	_ Root Treatment	31	Ea	\$75.00	\$2,325.00	\$2,325.00	\$100.00	\$3,100.00	\$3,100.00	\$395.00	\$12,245.00	\$12,245.00
8157050	_ Tree Pruning	25	Ea	\$35.00	\$875.00	\$875.00	\$60.00	\$1,500.00	\$1,500.00	\$205.00	\$5,125.00	\$5,125.00
8157051	_ Tree Pruning Consultation	1	LSUM	\$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
8167011	_ Turf Establishment, Performance	3,910	Syd	\$5.40	\$21,114.00	\$21,114.00	\$10.00	\$39,100.00	\$39,100.00	\$7.17	\$28,034.70	\$28,034.70
8190032	Conduit, DB, 2, 3 inch	141	Ft	\$25.00	\$3,525.00	\$3,525.00	\$20.00	\$2,820.00	\$2,820.00	\$17.00	\$2,397.00	\$2,397.00
8230040	Fire Hydrant	8	Ea	\$4,425.00	\$35,400.00	\$35,400.00	\$3,200.00	\$25,600.00	\$25,600.00	\$4,500.00	\$36,000.00	\$36,000.00
8230052	Gate Valve and Box, 4 inch	1	Ea	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$720.00	\$720.00	\$720.00
8230052	Gate Valve and Box, 8 inch	24	Ea	\$1,410.00	\$33,840.00	\$33,840.00	\$1,600.00	\$38,400.00	\$38,400.00	\$850.00	\$20,400.00	\$20,400.00
8230091	Hydrant, Rem	4	Ea	\$420.00	\$1,680.00	\$1,680.00	\$500.00	\$2,000.00	\$2,000.00	\$750.00	\$3,000.00	\$3,000.00
8230130	Water Main, 4 inch, Cut and Plug	2	Ea	\$800.00	\$1,600.00	\$1,600.00	\$500.00	\$1,000.00	\$1,000.00	\$500.00	\$1,000.00	\$1,000.00

CITY OF BRIGHTON, MICHIGAN SECOND STREET ROAD AND UTILITY IMPROVEMENTS MILL POND LANE TO CROSS STREET EXTENDED BID PRICE TABLES CONTRACT 12766-15005-SW-1				FONSON COMPANY, INC. 7644 Whitmore Lake Road Brighton, MI 48116 810.234.5188			C&D HUGHES, INC. 3097 Lansing Road Charlotte, MI 48813 517.645.0111			DAN'S EXCAVATING, INC. 12955 23 Mile Road Shelby Township, MI 48315 586.254.2040		
BID DATE: 3-May-18		BIDDERS ----->										
BID TIME: 10:00 AM		3 BIDDERS										
ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT
8230131	Water Main, 6 inch, Cut and Plug	5	Ea	\$850.00	\$4,250.00	\$4,250.00	\$1,000.00	\$5,000.00	\$5,000.00	\$575.00	\$2,875.00	\$2,875.00
8230132	Water Main, 8 inch, Cut and Plug	1	Ea	\$920.00	\$920.00	\$920.00	\$2,500.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,000.00
8230151	Water Main, DI, 4 inch, Tr Det G	32	Ft	\$100.00	\$3,200.00	\$3,200.00	\$70.00	\$2,240.00	\$2,240.00	\$150.00	\$4,800.00	\$4,800.00
8230151	Water Main, DI, 6 inch, Tr Det G	36	Ft	\$82.50	\$2,970.00	\$2,970.00	\$70.00	\$2,520.00	\$2,520.00	\$75.00	\$2,700.00	\$2,700.00
8230156	Water Main, DI, 8 inch, Tr Det G	3,088	Ft	\$83.50	\$257,848.00	\$257,848.00	\$70.00	\$216,160.00	\$216,160.00	\$66.42	\$205,104.96	\$205,104.96
8230240	Water Serv	24	Ea	\$1,700.00	\$40,800.00	\$40,800.00	\$1,200.00	\$28,800.00	\$28,800.00	\$950.00	\$22,800.00	\$22,800.00
8230245	Water Serv, Long	22	Ea	\$2,230.00	\$49,060.00	\$49,060.00	\$2,500.00	\$55,000.00	\$55,000.00	\$1,800.00	\$39,600.00	\$39,600.00
8230260	Live Tap, 6 inch by 8 inch	2	Ea	\$3,250.00	\$6,500.00	\$6,500.00	\$5,500.00	\$11,000.00	\$11,000.00	\$3,000.00	\$6,000.00	\$6,000.00
8230431	Gate Box, Adj, Case 1	2	Ea	\$400.00	\$800.00	\$800.00	\$400.00	\$800.00	\$800.00	\$225.00	\$450.00	\$450.00
8237050	_ Live Tap, 4 inch by 8 inch	2	Ea	\$2,600.00	\$5,200.00	\$5,200.00	\$5,000.00	\$10,000.00	\$10,000.00	\$4,600.00	\$9,200.00	\$9,200.00
8237050	_ Live Tap, 8 inch by 8 inch	2	Ea	\$3,500.00	\$7,000.00	\$7,000.00	\$6,000.00	\$12,000.00	\$12,000.00	\$4,600.00	\$9,200.00	\$9,200.00
8260148	Flowable Fill, Non-Structural	25	Cyd	\$280.00	\$7,000.00	\$7,000.00	\$150.00	\$3,750.00	\$3,750.00	\$275.00	\$6,875.00	\$6,875.00
8267051	_ Audiovisual Tape Coverage	1	LSUM	\$1,140.00	\$1,140.00	\$1,140.00	\$1,139.00	\$1,139.00	\$1,139.00	\$1,139.00	\$1,139.00	\$1,139.00
BASE BID TOTALS ----->					\$2,070,809.73	\$2,070,796.13		\$2,127,031.15	\$2,127,031.15		\$2,256,881.82	\$2,256,881.82
BID ALTERNATE 1												
ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT	UNIT PRICE	BIDDER'S AMOUNT	COMPUTED AMOUNT
2040020	Curb and Gutter, Rm	5,050	Ft	\$2.90	\$14,645.00	\$14,645.00	\$8.00	\$40,400.00	\$40,400.00	\$4.68	\$23,634.00	\$23,634.00
2050010	Embankment, CIP	1,530	Cyd	\$6.80	\$10,404.00	\$10,404.00	\$10.00	\$15,300.00	\$15,300.00	\$2.30	\$3,519.00	\$3,519.00
2050016	Excavation, Earth	2,100	Cyd	\$12.00	\$25,200.00	\$25,200.00	\$10.00	\$21,000.00	\$21,000.00	\$6.77	\$14,217.00	\$14,217.00
3020016	Aggregate Base, 6 inch	1,770	Syd	\$6.00	\$10,620.00	\$10,620.00	\$23.00	\$21,240.00	\$40,710.00	\$7.98	\$14,124.60	\$14,124.60
4030005	Dr Structure Cover, Adj, Case 1	14	Ea	\$490.00	\$6,860.00	\$6,860.00	\$500.00	\$7,000.00	\$7,000.00	\$495.00	\$6,930.00	\$6,930.00
8020038	Curb and Gutter, Conc, Det F4	5,050	Ft	\$11.20	\$56,560.00	\$56,560.00	\$11.20	\$56,560.00	\$56,560.00	\$13.50	\$68,175.00	\$68,175.00
BID ALTERNATE 1 TOTALS ----->					\$124,289.00	\$124,289.00		\$161,500.00	\$180,970.00		\$130,599.60	\$130,599.60
BASE BID W/ALTERNATE 1 ----->						\$2,195,085.13			\$2,308,001.15			\$2,387,481.42
BID SECURITY (5% MINIMUM) ADDENDA ACKNOWLEDGED COMPLETION TIME (DAYS) REMARKS				Yes Yes APPARENT LOW BIDDER			Yes Yes			Yes Yes		
NOTE: DESCREANCIES BETWEEN CONTRACTOR BID FORM AND THE EXTENDED UNIT PRICE ARE NOTED IN RED.												



Tetra Tech

7927 Nemco Way, Suite 100, Brighton, Michigan 48116

**OPINION OF PROBABLE
CONSTRUCTION COST**

Telephone: (810) 220-2112 Fax: (810) 225-8458

PROJECT: City of Brighton - North Second Street Road & Utility Improvements
 LOCATION: Mill Pond Lane to Cross Street
 BASIS FOR ESTIMATE: CONCEPTUAL PRELIMINARY FINAL
 WORK: Roadway, Sidewalk, Driveways, Sanitary, Water Main

DATE: May 14, 2018
 PROJECT NO. 200-12766-15005
 ESTIMATOR: A. Guenther
 CHECKED BY: S. Reschke

ITEM CODE	DESCRIPTION	PROJ. TOTAL	UNIT	UNIT PRICE	COST
SUMMARY OF COST BREAKDOWN					
ROAD BUDGET					
ROAD	Base Bid Construction Estimate				\$ 805,300.99
ROAD	Recommended Construction Contingency (10%)				\$ 81,000.00
ROAD	Construction Phase Engineering & Testing				\$ 73,200.00
ROAD	SubTotal Estimate of Dedicated Road Funding_Base Bid				\$ 959,500.99
ROAD	SubTotal Estimate of Dedicated Road Funding_w/ Alt. 1				\$ 1,083,789.99
UTILITY BUDGET					
SANITARY	Base Bid Construction Estimate				\$ 699,814.10
WATER	Base Bid Construction Estimate				\$ 565,681.04
UTILITY	Recommended Construction Contingency (10%)				\$ 126,549.51
UTILITY	Construction Phase Engineering & Testing				\$ 109,800.00
UTILITY	SubTotal Estimate of Dedicated Utility Funding				\$ 1,501,844.65
	Base Bid Cost (Fonson's Price Proposal)				\$ 2,070,796.13
	Alternate 1 (Fonson's Price Proposal)				\$ 124,289.00
	Base Bid Cost with Alternate 1 (Fonson's Price Proposal)				\$ 2,195,085.13
	Total Base Bid Recommended Funding (incl. 10% Construction Contingencies)				\$ 2,461,345.64
	Total Base Bid w/ Alt. 1 Recommended Funding (incl. 10% Construction Contingencies)				\$ 2,585,634.64
Note: 04-04-2018 Total Construction Base Bid Funding Estimate was \$2,599,871 with Contingencies					
(Changes from 5-10-18 Estimate: Typo Corrected \$2,070,796.13 vs \$2,070,796.15)					

ITEM CODE	DESCRIPTION	PROJ. TOTAL	UNIT	UNIT PRICE	COST
	ROADWAY IMPROVEMENTS				
1500001	Mobilization, Max	0.4	LSUM	\$ 84,000.00	\$ 33,600.00
2020002	Tree, Rem, 19 inch to 36 inch	7	Ea	\$ 950.00	\$ 6,650.00
2020004	Tree, Rem, 6 inch to 18 inch	2	Ea	\$ 250.00	\$ 500.00
2020008	Stump, Rem, 6 inch to 18 inch	1	Ea	\$ 140.00	\$ 140.00
2030015	Sewer, Rem, Less than 24 inch	50	Ft	\$ 35.00	\$ 1,750.00
2040020	Curb and Gutter, Rem	1190	Ft	\$ 6.30	\$ 7,497.00
2040050	Pavt, Rem	845	Syd	\$ 7.40	\$ 6,253.00
2040055	Sidewalk, Rem	2709	Syd	\$ 5.60	\$ 15,170.40
2050010	Embankment, CIP	860	Cyd	\$ 9.00	\$ 7,740.00
2050016	Excavation, Earth	3294	Cyd	\$ 14.00	\$ 46,116.00
2050031	Non Haz Contaminated Material Handling and Disposal, LM	300	Cyd	\$ 40.00	\$ 12,000.00
2050041	Subgrade Undercutting, Type II	800	Cyd	\$ 36.00	\$ 28,800.00
2080020	Erosion Control, Inlet Protection, Fabric Drop	30	Ea	\$ 95.00	\$ 2,850.00
2080036	Erosion Control, Silt Fence	300	Ft	\$ 1.90	\$ 570.00
2087031	_ Erosion Control, Dust Palliative Applied	34	Ton	\$ 245.00	\$ 8,330.00
2087050	_ Erosion Control, Dr Structure, Cleaning	30	Ea	\$ 90.00	\$ 2,700.00
2087050	_ Erosion Control, Street Sweeping	18	Ea	\$ 750.00	\$ 13,500.00
2090001	Project Cleanup	1	LSUM	\$ 3,300.00	\$ 3,300.00
3010002	Subbase, CIP	376	Cyd	\$ 50.00	\$ 18,800.00
3020026	Aggregate Base, 10 inch	7560	Syd	\$ 10.00	\$ 75,600.00
3060020	Maintenance Gravel	200	Ton	\$ 23.00	\$ 4,600.00
4020033	Sewer, Cl A, 12 inch, Tr Det B	106	Ft	\$ 105.93	\$ 11,228.58
4030005	Dr Structure Cover, Adj, Case 1	25	Ea	\$ 590.00	\$ 14,750.00
4030010	Dr Structure Cover, Type B	7	Ea	\$ 430.00	\$ 3,010.00
4030050	Dr Structure Cover, Type K	8	Ea	\$ 600.00	\$ 4,800.00
4030112	Dr Structure Lead, Cleaning, 12 inch	1000	Ft	\$ 2.00	\$ 2,000.00
4030200	Dr Structure, 24 inch dia	6	Ea	\$ 1,050.00	\$ 6,300.00
4030290	Dr Structure, Cleaning	10	Ea	\$ 100.00	\$ 1,000.00
4030306	Dr Structure, Tap, 6 inch	5	Ea	\$ 135.00	\$ 675.00
4030312	Dr Structure, Tap, 12 inch	7	Ea	\$ 365.00	\$ 2,555.00
4040063	Underdrain, Subbase, 6 inch	300	Ft	\$ 9.15	\$ 2,745.00
4040093	Underdrain Outlet, 6 inch	50	Ft	\$ 22.50	\$ 1,125.00
5010002	Cold Milling HMA Surface	1214	Syd	\$ 6.00	\$ 7,284.00
5010005	HMA Surface, Rem	7805	Syd	\$ 4.00	\$ 31,220.00
5010025	Hand Patching	25	Ton	\$ 270.00	\$ 6,750.00
5010050	HMA, 4E1	1514	Ton	\$ 72.00	\$ 109,008.00
5010056	HMA, 5E1	661	Ton	\$ 78.00	\$ 51,558.00
5010061	HMA Approach	213	Ton	\$ 140.00	\$ 29,820.00
5010806	HMA, Temp Pavt (5E3)	70	Ton	\$ 270.00	\$ 18,900.00
8010005	Driveway, Nonreinf Conc, 6 inch	753	Syd	\$ 32.58	\$ 24,532.74
8010007	Driveway, Nonreinf Conc, 8 inch	117	Syd	\$ 37.80	\$ 4,422.60
8017011	_ Driveway, Nonreinf Conc, 10 inch	43	Syd	\$ 44.55	\$ 1,915.65
8020038	Curb and Gutter, Conc, Det F4	1178	Ft	\$ 16.32	\$ 19,224.96
8020050	Driveway Opening, Conc, Det M	231	Ft	\$ 16.55	\$ 3,823.05
8030010	Detectable Warning Surface	174	Ft	\$ 30.00	\$ 5,220.00
8030030	Curb Ramp Opening, Conc	180	Ft	\$ 16.32	\$ 2,937.60
8030034	Sidewalk Ramp, Conc, 4 inch	3229	Sft	\$ 4.22	\$ 13,626.38
8030044	Sidewalk, Conc, 4 inch	20829	Sft	\$ 2.82	\$ 58,737.78
8030046	Sidewalk, Conc, 6 inch	5576	Sft	\$ 3.62	\$ 20,185.12

ITEM CODE	DESCRIPTION	PROJ. TOTAL	UNIT	UNIT PRICE	COST
8037010	_ Sidewalk, Conc, 10 inch	311	Sft	\$ 4.95	\$ 1,539.45
8037010	_ Sidewalk, Conc, 8 inch	774	Sft	\$ 4.20	\$ 3,250.80
8070095	Post, Mailbox	15	Ea	\$ 94.00	\$ 1,410.00
8080004	Fence, Temp	200	Ft	\$ 4.00	\$ 800.00
8100371	Post, Steel, 3 lb	150	Ft	\$ 8.00	\$ 1,200.00
8100402	Sign, Type III, Erect, Salv	5	Ea	\$ 45.00	\$ 225.00
8100403	Sign, Type III, Rem	5	Ea	\$ 30.00	\$ 150.00
8100405	Sign, Type IIIB	49	Sft	\$ 18.00	\$ 882.00
8110041	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	510	Ft	\$ 5.00	\$ 2,550.00
8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	122	Ft	\$ 10.00	\$ 1,220.00
8110063	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	2	Ea	\$ 160.00	\$ 320.00
8110068	Pavt Mrkg, Ovly Cold Plastic, Only	2	Ea	\$ 160.00	\$ 320.00
8110231	Pavt Mrkg, Waterborne, 4 inch, White	230	Ft	\$ 0.12	\$ 27.60
8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	6094	Ft	\$ 0.12	\$ 731.28
8157001	_ Root Control Barrier	195	Ft	\$ 25.00	\$ 4,875.00
8157050	_ Root Treatment	31	Ea	\$ 75.00	\$ 2,325.00
8157050	_ Tree Pruning	25	Ea	\$ 35.00	\$ 875.00
8157051	_ Tree Pruning Consultation	1	LSUM	\$ 1,000.00	\$ 1,000.00
8167011	_ Turf Establishment, Performance	3910	Syd	\$ 5.40	\$ 21,114.00
8190032	Conduit, DB, 2, 3 inch	141	Ft	\$ 25.00	\$ 3,525.00
8267051	_ Audiovisual Tape Coverage	1	LSUM	\$ 1,140.00	\$ 1,140.00
	Road Construction Subtotal				\$ 805,300.99
	SANITARY SEWER IMPROVEMENTS				
1500001	Mobilization, Max	0.3	LSUM	\$ 84,000.00	\$ 25,200.00
2050016	Excavation, Earth	1512	Cyd	\$ 14.00	\$ 21,168.00
3020026	Aggregate Base, 10 inch	3770	Syd	\$ 10.00	\$ 37,700.00
4027001	_ Sanitary Sewer, 12 inch, Tr Det B	3130	Ft	\$ 95.00	\$ 297,350.00
4027001	_ Sanitary Sewer, Rem, Less than 24 inch	3130	Ft	\$ 12.00	\$ 37,560.00
4027001	_ Sanitary Structure, Add Depth of 48 inch dia, 8 foot to 15 ft	12	Ft	\$ 225.00	\$ 2,700.00
4027050	_ Sanitary Manhole Cover	12	Ea	\$ 840.00	\$ 10,080.00
4027050	_ Sanitary Sewer Drop Connection	5	Ea	\$ 900.00	\$ 4,500.00
4027050	_ Sanitary Sewer Lead	45	Ea	\$ 2,250.00	\$ 101,250.00
4027050	_ Sanitary Structure, 48 inch dia	12	Ea	\$ 2,800.00	\$ 33,600.00
4027050	_ Sanitary Structure, Rem	12	Ea	\$ 480.00	\$ 5,760.00
5010005	HMA Surface, Rem	3766	Syd	\$ 4.00	\$ 15,064.00
5010050	HMA, 4E1	811	Ton	\$ 72.00	\$ 58,392.00
5010056	HMA, 5E1	306	Ton	\$ 78.00	\$ 23,868.00
5010061	HMA Approach	18	Ton	\$ 140.00	\$ 2,520.00
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Full	10	Ea	\$ 105.70	\$ 1,057.00
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	10	Ea	\$ 1.51	\$ 15.10
8120170	Minor Traf Devices	1	LSUM	\$ 10,500.00	\$ 10,500.00
8120250	Plastic Drum, High Intensity, Furn	100	Ea	\$ 21.14	\$ 2,114.00
8120251	Plastic Drum, High Intensity, Oper	100	Ea	\$ 1.51	\$ 151.00
8120350	Sign, Type B, Temp, Prismatic, Furn	350	Sft	\$ 3.20	\$ 1,120.00
8120351	Sign, Type B, Temp, Prismatic, Oper	350	Sft	\$ 0.70	\$ 245.00
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	100	Sft	\$ 3.30	\$ 330.00
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	100	Sft	\$ 0.70	\$ 70.00
8120370	Traf Regulator Control	1	LSUM	\$ 7,500.00	\$ 7,500.00

ITEM CODE	DESCRIPTION	PROJ. TOTAL	UNIT	UNIT PRICE	COST
	Sewer Construction Subtotal				\$ 699,814.10
	WATER MAIN IMPROVEMENTS				
1500001	Mobilization, Max	0.3	LSUM	\$ 84,000.00	\$ 25,200.00
2037001	_ Watermain, Rem	74	Ft	\$ 11.00	\$ 814.00
2037050	_ Gate Box, Rem	2	Ea	\$ 120.00	\$ 240.00
2050016	Excavation, Earth	594	Cyd	\$ 14.00	\$ 8,316.00
3020026	Aggregate Base, 10 inch	1920	Syd	\$ 10.00	\$ 19,200.00
5010005	HMA Surface, Rem	1920	Syd	\$ 4.00	\$ 7,680.00
5010050	HMA, 4E1	375	Ton	\$ 72.00	\$ 27,000.00
5010056	HMA, 5E1	146	Ton	\$ 78.00	\$ 11,388.00
5010061	HMA Approach	40	Ton	\$ 140.00	\$ 5,600.00
8020038	Curb and Gutter, Conc, Det F4	72	Ft	\$ 16.32	\$ 1,175.04
8230040	Fire Hydrant	8	Ea	\$ 4,425.00	\$ 35,400.00
8230050	Gate Valve and Box, 4 inch	1	Ea	\$ 1,000.00	\$ 1,000.00
8230052	Gate Valve and Box, 8 inch	24	Ea	\$ 1,410.00	\$ 33,840.00
8230091	Hydrant, Rem	4	Ea	\$ 420.00	\$ 1,680.00
8230130	Water Main, 4 inch, Cut and Plug	2	Ea	\$ 800.00	\$ 1,600.00
8230131	Water Main, 6 inch, Cut and Plug	5	Ea	\$ 850.00	\$ 4,250.00
8230132	Water Main, 8 inch, Cut and Plug	1	Ea	\$ 920.00	\$ 920.00
8230151	Water Main, DI, 6 inch, Tr Det G	36	Ft	\$ 82.50	\$ 2,970.00
8230156	Water Main, DI, 8 inch, Tr Det G	3088	Ft	\$ 83.50	\$ 257,848.00
8230240	Water Serv	24	Ea	\$ 1,700.00	\$ 40,800.00
8230245	Water Serv, Long	22	Ea	\$ 2,230.00	\$ 49,060.00
8230260	Live Tap, 6 inch by 8 inch	2	Ea	\$ 3,250.00	\$ 6,500.00
8230431	Gate Box, Adj, Case 1	2	Ea	\$ 400.00	\$ 800.00
8237001	_ Water Main, DI, 4 inch, Tr Det G	32	Ft	\$ 100.00	\$ 3,200.00
8237050	_ Live Tap, 4 inch by 8 inch	2	Ea	\$ 2,600.00	\$ 5,200.00
8237050	_ Live Tap, 8 inch by 8 inch	2	Ea	\$ 3,500.00	\$ 7,000.00
8260148	Flowable Fill, Non-Structural	25	Cyd	\$ 280.00	\$ 7,000.00
	Water Main Construction Subtotal				\$ 565,681.04
	ALTERNATE BID 1 - ALL CURB & GUTTER REPLACEMENT				
2040020	Curb and Gutter, Rem	5050	Ft	\$ 2.90	\$ 14,645.00
2050010	Embankment, CIP	1530	Cyd	\$ 6.80	\$ 10,404.00
2050016	Excavation, Earth	2100	Cyd	\$ 12.00	\$ 25,200.00
3020016	Aggregate Base, 6 inch	1770	Syd	\$ 6.00	\$ 10,620.00
4030005	Dr Structure Cover, Adj, Case 1	14	Ea	\$ 490.00	\$ 6,860.00
8020038	Curb and Gutter, Conc, Det F4	5050	Ft	\$ 11.20	\$ 56,560.00
	Alternate Construction Subtotal				\$ 124,289.00