



CITY of NOVI CITY COUNCIL

Agenda Item C
April 4, 2011

SUBJECT: Approval to award a service contract for Sanitary Sewer Televising and Cleaning Services for CMOM Assessment Areas C2, C3, F1 and F2 and as-needed emergency televising and cleaning services to Metro Environmental Services, Inc., the lowest responsive bidder, in the estimated annual amount of \$39,880.08. The term of the contract is one year, with the option of three one-year extensions.

SUBMITTING DEPARTMENT: DPS, Water and Sewer Division *RA*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$39,880.08
ADDITIONAL AMOUNT REQUIRED	N/A
LINE ITEM NUMBER	592-592-00-936-500 (Water & Sewer Fund)

BACKGROUND INFORMATION:

The Water and Sewer Division of the Department of Public Services is continuing work initiated under the Capacity Management Operations and Maintenance (CMOM) program, which is a systematic process of evaluating the sanitary sewer system to: determine sources of inflow and infiltration from groundwater and surface water sources, remove those sources, and maintain the City's sanitary sewer capacity. The program was established as part of an overall asset management program for the sanitary sewer system as outlined in the attached technical memorandum from Orchard Hiltz & McCliment (OHM) dated June 20, 2008.

The City has been subdivided into 15 sub-districts to facilitate the assessment of the sanitary collection system. Areas G, B, C1, and portions of C2 were assessed previously by televising and cleaning sewers and metering sanitary flows. The evaluation of additional areas is now ready to begin. (The OHM technical memorandum shows the master schedule for the overall implementation schedule for the entire sanitary sewer system.)

Televising the sanitary sewer system is the second of four components of the "Capacity" part of the CMOM program, which include: 1) metering the flow; 2) identification of inflow and infiltration through smoke testing, manhole inspections and televising; 3) rehabilitation of manholes and pipes to decrease inflow and infiltration; and 4) post-construction metering to determine effectiveness. The televising contract will provide data to City staff for sanitary sewer evaluation. This data along with smoke testing results and manhole investigations that the Water and Sewer Division will conduct in-house will be used to develop a scope for rehabilitation of any deficient structures and pipes.

A total of eight bids were received and opened on March 23, 2011, following a public bid solicitation period. The lowest responsive bidder is Metro Environmental Services, Inc. Metro's bid is recommended as being in the best interest of the City as it is responsive (i.e.,

Metro has complied with all requirements of the bidding instructions), Metro can meet the one hour emergency response time, and it is the lowest responsive price. Water & Sewer Division staff has previously worked with Metro, to include successfully televising and cleaning of CMOM Assessment Areas G, C1 and a portion of Area C2, and therefore recommends award.

The lowest bid for these services was submitted by Terra Contracting; however, Terra indicated that it could not meet the City's required one-hour response time and was therefore disqualified. In addition, Terra failed to acknowledge receipt of a bid addendum issued for the project.

A summary of the eight bids is presented on the attached bid tabulation form.

This contract is for a one year term with three potential one-year contract extensions to complete the sewer televising of the areas listed above, and to provide emergency televising and cleaning as needed by the Water and Sewer Division.

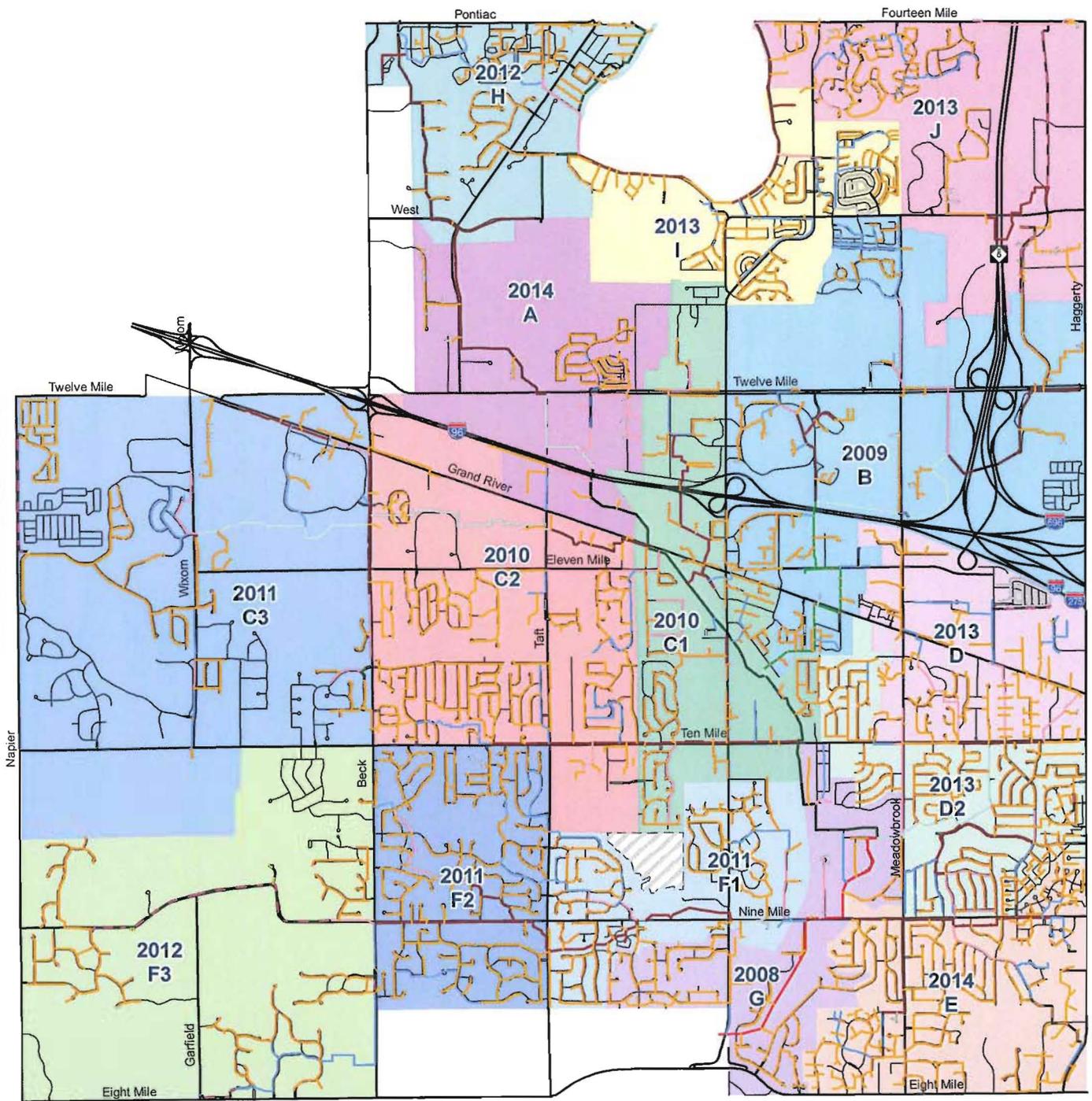
RECOMMENDED ACTION: Approval to award a service contract for Sanitary Sewer Televising and Cleaning Services for CMOM Assessment Areas C2, C3, F1 and F2 and as-needed emergency televising and cleaning services to Metro Environmental Services, Inc., the lowest responsive bidder, in the estimated annual amount of \$39,880.08. The term of the contract is one year, with the option of three one-year extensions.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Fischer				
Council Member Margolis				

	1	2	Y	N
Council Member Mutch				
Council Member Staudt				
Council Member Wrobel				

Figure 1.

City of Novi - CMOM Phase II Televising and Cleaning Schedule



Map Author: Stephanie Sambrook,
City GIS Technician
Map Print Date:
February 17, 2011

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

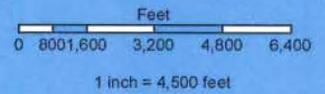
Map Legend

Sanitary Mains	8.0FM	21.0"	Road
1.5" FM	10.0"	27.0"	Major
2.0FM	10.0" FM	30.0"	Minor
3.0" FM	12.0"	36.0"	Novi Township
4.0" FM	12.0FM	42.0"	
6.0"	15.0"	ABND	
6.0FM	18.0"		
8.0"	18.0FM		



City of Novi

Geographic Information Services
Dept. of Information Technology
45175 W Ten Mile Rd
Novi, MI 48375
cityofnovi.org



Company Name Metro Environmental Services, Inc.



CITY OF NOVI

**SANITARY SEWER CLOSED CIRCUIT TELEVISION
AND CLEANING**

BID FORM

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the City of Novi to perform the work, for the prices and times specified in this Invitation to Bid. Bidder accepts all terms and conditions of the Invitation to Bid.

In submitting this Bid, Bidder represents that Bidder:

- is familiar and satisfied with the potential site conditions that may affect cost, progress, and performance of work
- is familiar and satisfied with all applicable federal, state, and local Laws and Regulations
- has given written notice when beginning work in the City of Novi of all conflicts, errors, ambiguities, or discrepancies discovered in the Invitation to bid documents
- acknowledges that the quantities provided in the Bid Form are only estimates, and in some cases included in order to establish a unit price in the event the work is necessary, and that actual quantities may increase, decrease, or be zero based on actual work required
- will complete any required inspections by certified technicians using NASSCO's Pipeline Assessment and Certification Program (PACP) for identifying observations

Bidder will complete the work outlined in this Invitation To Bid for the following prices:

BASE BID: ANNUAL SANITARY SEWER VIDEO INSPECTION PROJECTS, 6-12 INCHES

Annual Video Inspection Projects	Estimated Quantity	Unit	Unit Price	Total Amount
Fiscal Year July 2010- June 2011	34,200	LFT	.47	16,074.00
Fiscal Year July 2011- June 2012	49,596	LFT	.48	23,706.08
Fiscal Year July 2012- June 2013	52,790	LFT	.49	25,867.10
Fiscal Year July 2013- June 2014	42,728	LFT	.49	20,936.72

ALTERNATE A: SANITARY SEWER CLEANING FOR ANNUAL PROJECTS

Sanitary Sewer Cleaning for Annual Projects	Estimated Quantity	Unit	Unit Price
Alternate A1 – Fiscal Year July 2010 - June 2011	Unknown	LFT	.88
Alternate A2 – Fiscal Year July 2011- June 2012	Unknown	LFT	.88
Alternate A3 – Fiscal Year July 2012- June 2013	Unknown	LFT	.95
Alternate A4 – Fiscal Year July 2013-June 2014	Unknown	LFT	.95

ALTERNATE B - OTHER SERVICES/EMERGENCY SERVICES (AS NEEDED)

ALTERNATE B is for a contract term of one (1) year with three (3) renewal options in one (1) year increments.

Item	Description	Unit	Unit price ** (quantity less than 2,000 LFT)	Unit price ** (quantity greater than 2,000 LFT)
1	Sanitary Sewer Video Inspection, 6-11 inches	LFT	.72	.47
2	Sanitary Sewer Video Inspection, 12-18 inches	LFT	.72	.50
3	Sanitary Sewer Video Inspection, 19-24 inches	LFT	.75	.70
4	Sanitary Sewer Video Inspection, 25-30 inches	LFT	.75	.70
5	Sanitary Sewer Video Inspection, 31-36 inches	LFT	.95	.75
6	Sanitary Sewer Video Inspection, 37-44 inches	LFT	.95	.90
7	Sanitary Sewer Video Inspection, 45-54 inches	LFT	1.10	1.00
8	Sanitary Sewer Cleaning, 6-11 inches	LFT	1.25	1.20
9	Sanitary Sewer Cleaning, 12-18 inches	LFT	1.70	1.40
10	Sanitary Sewer Cleaning, 19-24 inches	LFT	1.70	1.40
11	Sanitary Sewer Cleaning, 25-30 inches	LFT	1.75	1.55

Item	Description	Unit	Unit price ** (quantity less than 2,000 LFT)	Unit price ** (quantity greater than 2,000 LFT)
12	Sanitary Sewer Cleaning, 31-36 inches	LFT	2.50	2.25
13	Sanitary Sewer Cleaning, 37-44 inches	LFT	3.50	3.25
14	Sanitary Sewer Cleaning, 45-54 inches	LFT	4.50	4.25

ALTERNATE B (CONTINUED)

Item	Description	Unit	Unit Price **
15	Emergency Vactor Hourly Rate with driver (During Business Hours)	HR	165.00
16	Emergency Vactor Hourly Rate with driver (After Business Hours)	HR	185.00
17	Emergency Televising Hourly Rate with driver (During Business Hours)	HR	155.00
18	Emergency Televising Hourly Rate with driver (After Business Hours)	HR	185.00
19	Confined Space Entry	DAY	1,560.00
20	Easement Machine Use with operator Hourly Rate (Any Time)	HR	165.00
21	Bypass Pumping (0-300 gal/minute)	LFT	2.00
22	Bypass Pumping (300-800 gal/minute)	LFT	4.00
23	Debris removal and disposal – less than 25 cubic yards	CU YD	40.00
24	Debris removal and disposal – greater than 25 cubic yards	CU YD	25.00
25	Mobilization Charge	DAY	0.00

** Unit Pricing shall be valid for contract period and all renewals.

When would a Mobilization Charge be required? No Charge/Not Applicable

Comments/Exceptions Located within 2 miles of Novi City limits. PACP/MACP
Certified/Confined Entry Certified/OSHA Job Site Safety Certified,
Licensed Septage Hauler, Licensed Industrial Waste Hauler

We acknowledge receipt of the following addenda: Addendum #1

The City of Novi reserves the right to accept any Bid, to reject any or all Bids, and to waive defects or irregularities in any Bid for any reason or no reason at all. The City of Novi also reserves the right to award some, none, or the entire contract.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price bid items will be based on actual quantities of work performed.

Company (Legal Registration) Metro Environmental Services, Inc.

Address 1025 Metro Drive/P.O. Box 725

City Walled Lake State MI. Zip 48390

Telephone (248)960-1111 Fax (248)669-0960

Representative's Name (please print) John Schumacher

Representative's Title Operations Manager

Representative's Signature *John Schumacher*

E-mail j.schumacher@metrosewer.net

Date 3-23-11



CITY OF NOVI

SANITARY SEWER CLOSED CIRCUIT TELEVISION
AND CLEANING

CONTRACTOR QUALIFICATIONS QUESTIONNAIRE

Failure to answer all questions could result in rejection of your bid.

Name of Firm Metro Environmental Services, Inc.
Address: P.O. Box 725/1025 Metro Drive
City, State Zip Walled Lake, Mi. 48390
Telephone (248)960-1111 Fax (248)669-0960
Mobile (248)255-1341
Agent's Name (please print) John Schumacher
Agent's Title Operations Manager
Email Address: j.schumacher@metrosewer.net
Website www.metrosewer.net

1. Organizational structure: Corporation, Partnership, 'etc. Corporation
2. Firm established: 1981
3. How many full time employees? 17 Part time? 4
4. Do you have 24-hour emergency service? yes
5. 24-hour/7-day Emergency Telephone Numbers
(248)960-1111 (248)255-1341
6. Provide your procedure for handling night and weekend calls. Once the call is received the 24 hr On-Call Service Tech is notified & dispatched directly to the site. If special equipment is needed they will be dispatched to the shop first.
7. Can you meet our emergency response requirement of one hour from receipt of call? Yes If not, what is the time frame for your response? _____
8. Address of your local facility 1025 Metro Drive, Walled Lake, Mi. 48390
9. Are you able to provide insurance coverage as required by this bid? Yes
10. List the scope of services (type of work) you are able to perform.

10. CCTV-mainline/laterals, high pressure jet, vactor, vac/jet, off road easement jetting, catch basin cleaning, confined space entry, spot line repair by pass pumping, industrial off road vactor, parking lot & street sweeping, excavation, electric cable service, electronic locate buried

lines, hydro excavation, TCLP testing, lift station cleaning, septic tank pumping, portable toilets, catch basin/manhole rehab., grouting

11. List any professional licenses/certifications you/your employees have obtained that would be applicable to this contract.

OSHA-Confined Space Certified, PACP Pipeline/MH Training,

Forklift/Manlift, CDL A/B Tanker Driver Endorsements, Licensed

Industrial Waste Hauler, Liscensed Septic Hauler, OSHA-Workplace,

Construction & Employee Safety Certified

12. Provide a list of mobile service technicians, and all other professional staff to be assigned to this contract. Include name, title, license number, years of experience, full/part time, on-call availability, qualifications, and experience.

John Schumacher-Operations Mgr. 25 years, CDLA, Glen Ranstadler-Plbg Tech, 10 years

Andrew Mapes-Fleet Mgr, PACP, 10 years, CDLA, Scott Randstadler-CDLA, Tanker, 10 yrs

Cliff Turner-Sr. Tech, PACP, 25 years, Kyle Gotferdson-Jet Specialist, 6 years

Paul Ferriby-Sr. Tech, 23 Years, CDLA

Robert Hayes-Video Inspection Tech, 11 years, PACP, CDLA

13. List large equipment which is available to your firm to perform this contract:

(2) Guzzlers for backyard cleaning

(5) Vactor 2100 for sewer & storm cleaning

(3) CCTV truck mounted systems w/software. (1) portable off road system

(2) backyard easement cleaning machines

(2) truck mounted sewer jets, (2) trailer mounted by-pass pump systems

14. **References:** Provide at least three (3) current references that are comparable in scope to this bid. References from municipalities would be desirable.

Company City of Wixom

Address 49045 Pontiac Trail, Wixom, Mi. 48393

Phone (248)624-0141 Contact name Mike Howell

Company City of Dearborn
Address 2951 Greenfield, Dearborn, Mi. 48126
Phone (313)943-3038 Contact name Sam Shilbayeh

Company City of New Baltimore
Address 36535 Green Street, New Baltimore, Mi. 48047
Phone (586)724-2151 Contact name Thomas Gunst

15. Provide any additional information you would like to include which may not be included within this Questionnaire. You may attach additional sheets.

THE FOREGOING QUESTIONNAIRE IS A TRUE STATEMENT OF FACTS:

Signature of Authorized Company Representative: *John Schumacher*

Representative's Name (please print) John Schumacher

Date 3-23-11

CITY OF NOVI
SANITARY SEWER TELEVISION CLEANING BID TABULATION

MARCH 23, 2011

Base Bid - Annual Video Inspection	Est. Qty	Unit	Terra Contracting		Metro Environmental		Doetsch Ind'l Svcs	
			Unit price	Total	Unit price	Total	Unit price	Total
2010-2011	34,200	LFT	0.47	16,074.00	0.47	16,074.00	0.85	29,070.00
2011-2012	49,596	LFT	0.48	23,806.08	0.48	23,806.08	0.85	42,156.60
SUBTOTAL				39,880.08		39,880.08		71,226.60
2012-2013	52,790	LFT	0.48	25,339.20	0.49	25,867.10	0.90	47,511.00
2013-2014	42,728	LFT	0.49	20,936.72	0.49	20,936.72	0.95	40,591.60
TOTAL BASE BID				86,156.00		86,683.90		159,329.20
Alternate A - Cleaning								
2010-2011	unknown	LFT	0.80		0.88		0.50	
2011-2012	unknown	LFT	0.81		0.88		0.50	
2012-2013	unknown	LFT	0.83		0.95		0.55	
2013-2014	unknown	LFT	0.84		0.95		0.60	
Alternate B - Other								
			less than 2000 ft	greater than 2000 ft	less than 2000 ft	greater than 2000 ft	less than 2000 ft	greater than 2000 ft
1. Inspection, 6-12 "		LFT	0.84	0.66	0.72	0.47	0.85	0.85
2. Inspection, 12-18 "		LFT	0.84	0.66	0.72	0.50	0.85	0.85
3. Inspection, 19-24 "		LFT	0.84	0.66	0.75	0.70	1.00	1.00
4. Inspection, 25-30 "		LFT	0.84	0.66	0.75	0.70	1.00	1.00
5. Inspection, 31-36 "		LFT	0.84	0.66	0.95	0.75	1.00	1.00
6. Inspection, 37-44 "		LFT	0.84	0.66	0.95	0.90	1.25	1.25
7. Inspection, 45-54"		LFT	0.84	0.66	1.10	1.00	1.25	1.25
8. Cleaning, 6-12"		LFT	1.05	0.89	1.25	1.20	0.50	0.50
9. Cleaning, 12-18"		LFT	1.05	1.00	1.70	1.40	0.75	0.75
10. Cleaning, 19-24"		LFT	1.49	1.07	1.70	1.40	1.00	1.00
11. Cleaning, 25-30"		LFT	1.56	1.10	1.75	1.55	2.00	2.00
12. Cleaning, 31-36"		LFT	1.71	1.21	2.50	2.25	4.00	4.00
13. Cleaning, 37-44"		LFT	1.85	1.44	3.50	3.25	5.00	5.00
14. Cleaning, 45-54"		LFT	2.07	1.73	4.50	4.25	6.00	6.00
15. Emergency Vector (during bus hrs)		HR	139.00		165.00		115.00	
16. Emergency Vector (after bus hrs)		HR	146.00		185.00		135.00	
17. Emergency Televising (during bus hrs)		HR	110.00		155.00		115.00	
18. Emergency Televising (after bus hrs)		HR	117.00		185.00		135.00	
19. Confined Space Entry		DAY	107.00		1,560.00		1,500.00	
20. Easement Machine w/ operator		HR	80.00		165.00		100.00	
21. Bypass Pumping (up to 300 gal/min)		LFT	1.71		2.00		N/A	
22. Bypass Pumping (300-800 gal/min)		LFT	2.09		4.00		N/A	
23. Debris removal-transport only-less than 25 cy		CU YD	27.85		40.00		\$115/hour	
24. Debris removal -transport only-more than 25 cy		CU YD	26.03		25.00		\$115/hour	
25. Mobilization charge		DAY	130.00		0.00		750.00	
When will mobilization charge be required?			Mobilization will be charged for items 15 - 22		No charge		whenever the city elects to use Alternate B and daily billing cost is less than \$800 for the day	
Comments								
Addendum Acknowledged?			no		yes		yes	

CITY OF NOVI
SANITARY SEWER TELEVISION CLEANING BID TABULATION

MARCH 23, 2011

Base Bid - Annual Video Inspection	Est. Qty	Unit	D.V.M. Utilities		Advanced Underground		Aqua Group	
			Unit price	Total	Unit price	Total	Unit price	Total
2010-2011	34,200	LFT	0.80	27,360.00	0.90	30,780.00	1.10	37,620.00
2011-2012	49,596	LFT	0.90	44,636.40	0.90	44,636.40	1.10	54,555.60
SUBTOTAL				71,996.40		75,416.40		92,175.60
2012-2013	52,790	LFT	0.95	50,150.50	0.95	50,150.50	1.12	59,124.80
2013-2014	42,728	LFT	1.00	42,728.00	0.95	40,591.60	1.14	48,709.92
TOTAL BASE BID				164,874.90		166,158.50		200,010.32
Alternate A - Cleaning								
2010-2011	unknown	LFT	1.50		1.50		1.70	
2011-2012	unknown	LFT	1.65		1.50		1.70	
2012-2013	unknown	LFT	1.80		1.60		1.80	
2013-2014	unknown	LFT	1.95		1.60		1.90	
Alternate B - Other			less than 2000 ft	greater than 2000 ft	less than 2000 ft	greater than 2000 ft	less than 2000 ft	greater than 2000 ft
1. Inspection, 6-12 "		LFT	1.00	0.85	1.00	0.90	1.60	1.20
2. Inspection, 12-18 "		LFT	1.10	0.90	1.00	0.90	1.60	1.25
3. Inspection, 19-24 "		LFT	1.20	0.95	1.00	0.90	1.60	1.25
4. Inspection, 25-30 "		LFT	1.30	1.00	1.00	0.90	1.60	1.25
5. Inspection, 31-36 "		LFT	1.40	1.15	1.00	0.90	1.60	1.25
6. Inspection, 37-44 "		LFT	1.85	1.50	1.00	0.90	1.60	1.25
7. Inspection, 45-54"		LFT	2.00	1.75	1.00	0.90	1.60	1.25
8. Cleaning, 6-12"		LFT	2.00	1.50	1.65	1.50	2.25	1.70
9. Cleaning, 12-18"		LFT	2.25	1.75	1.65	1.50	2.50	2.00
10. Cleaning, 19-24"		LFT	2.50	2.00	1.90	1.75	2.80	2.50
11. Cleaning, 25-30"		LFT	3.00	2.75	2.15	2.00	3.70	3.20
12. Cleaning, 31-36"		LFT	3.45	3.15	2.25	2.15	4.50	4.50
13. Cleaning, 37-44"		LFT	4.00	3.75	2.75	2.60	5.60	5.60
14. Cleaning, 45-54"		LFT	5.00	4.50	3.25	3.05	7.50	7.50
15. Emergency Vector (during bus hrs)		HR	150.00		130.00		200.00	
16. Emergency Vector (after bus hrs)		HR	200.00		130.00		220.00	
17. Emergency Televising (during bus hrs)		HR	250.00		120.00		160.00	
18. Emergency Televising (after bus hrs)		HR	350.00		120.00		180.00	
19. Confined Space Entry		DAY	250.00		75.00		250.00	
20. Easement Machine w/ operator		HR	150.00		50.00		90.00	
21. Bypass Pumping (up to 300 gal/min)		LFT	10.00		1.00		5.00	
22. Bypass Pumping (300-800 gal/min)		LFT	25.00		1.50		12.00	
23. Debris removal-transport only-less than 25 cy		CU YD	60.00		30.00		32.00	
24. Debris removal-transport only-more than 25 cy		CU YD	40.00		30.00		32.00	
25. Mobilization charge		DAY	500.00		0.00		500.00	
When will mobilization charge be required?			if min. amount of work performed is less than \$1200/day or for downtime/delays not by the contractor		no mobilization will be charged		each time we are called out on emergency basis or TV work is less than 2000 L.F.	
Comments			None		Alternate B Hourly rates are truck w/ operator only (as stated on bid form)			
Addendum Acknowledged?			yes		yes		yes	

CITY OF NOVI
SANITARY SEWER TELEVISION CLEANING BID TABULATION

MARCH 23, 2011

Base Bid - Annual Video Inspection	Est. Qty	Unit	National Ind'l Maint.		Youngs Environmental	
			Unit price	Total	Unit price	Total
2010-2011	34,200	LFT	1.31	44,802.00	1.39	47,538.00
2011-2012	49,596	LFT	1.31	64,970.76	1.50	74,394.00
SUBTOTAL				109,772.76		121,932.00
2012-2013	52,790	LFT	1.36	71,794.40	1.60	84,464.00
2013-2014	42,728	LFT	1.41	60,246.48	1.70	72,637.60
TOTAL BASE BID				241,813.64		279,033.60
Alternate A - Cleaning						
2010-2011	unknown	LFT	N/A		1.50	
2011-2012	unknown	LFT	N/A		1.75	
2012-2013	unknown	LFT	N/A		1.90	
2013-2014	unknown	LFT	N/A		2.00	
Alternate B - Other						
			less than 2000 ft	greater than 2000 ft	less than 2000 ft	greater than 2000 ft
1. Inspection, 6-12 "		LFT	N/A	1.50	1.50	1.45
2. Inspection, 12-18 "		LFT	N/A	1.50	1.75	1.70
3. Inspection, 19-24 "		LFT	N/A	1.50	1.90	1.85
4. Inspection, 25-30 "		LFT	N/A	2.00	1.90	1.85
5. Inspection, 31-36 "		LFT	N/A	2.00	2.05	2.00
6. Inspection, 37-44 "		LFT	N/A	4.50	2.25	2.20
7. Inspection, 45-54"		LFT	N/A	5.00	2.35	2.30
8. Cleaning, 6-12"		LFT	N/A	0.50	1.00	1.00
9. Cleaning, 12-18"		LFT	N/A	0.75	1.15	1.10
10. Cleaning, 19-24"		LFT	N/A	1.00	1.15	1.10
11. Cleaning, 25-30"		LFT	N/A	2.00	1.30	1.25
12. Cleaning, 31-36"		LFT	N/A	5.00	1.45	1.40
13. Cleaning, 37-44"		LFT	N/A	6.25	1.75	1.70
14. Cleaning, 45-54"		LFT	N/A	8.50	2.00	2.00
15. Emergency Vector (during bus hrs)		HR	135.00		135.00	
16. Emergency Vector (after bus hrs)		HR	145.00		150.00	
17. Emergency Televising (during bus hrs)		HR	135.00		130.00	
18. Emergency Televising (after bus hrs)		HR	145.00		145.00	
19. Confined Space Entry		DAY	200.00		1,980.00	
20. Easement Machine w/ operator		HR	135.00		165.00	
21. Bypass Pumping (up to 300 gal/min)		LFT	N/A		3.75	
22. Bypass Pumping (300-800 gal/min)		LFT	N/A		3.75	
23. Debris removal-transport only-less than 25 cy		CU YD	N/A		50.00	
24. Debris removal-transport only-more than 25 cy		CU YD	N/A		50.00	
25. Mobilization charge		DAY	\$135 per truck		500.00	
When will mobilization charge be required?			travel time to job site from Dearborn, MI		When any work outside of scheduled work is provided	
Comments						
Addendum Acknowledged?			??		yes	