
RULE OF THE CHAMBER

Any person wishing to address City Council shall step up to the lectern, state their name and address in an audible tone of voice for the record, and unless further time is granted by the presiding officer, shall limit their address to three (3) minutes. A person may not give up or relinquish all or a portion of their time to the person having the floor or another person in order to extend a person's time limit in addressing the Council.

Any person who does not wish to address Council from the lectern, may print their name, address and comment/question which he/she would like brought before Council on a card provided by the Clerk/Treasurer and return the card to the Clerk/Treasurer before the meeting begins. The Clerk/Treasurer will address the presiding officer at the start of Citizen Comments on the Agenda, notifying him of the card comment, and read the card into the record for response.

Those who want to use audio and image recording equipment in Council Chambers that requires a monopod, tripod or other auxiliary equipment for the audio and image devices shall notify the City Clerk before the meeting begins. Arrangements will be made to accommodate the request in a manner that minimizes the possibility of disrupting the meeting. No additional illuminating lights may be used in Council Chambers unless a majority of City Council members consent. Additionally, cell phones and pagers should be set to vibrate or silent mode when inside Council Chambers.

Should any person fail or refuse to comply with any Rules of the Chamber, after being informed of such noncompliance by the presiding officer, such a person may be deemed by the presiding officer to have committed a breach of the peace by disrupting the public meeting, and the presiding officer may then order such person excluded from the public meeting under Section 3 (6) of Open Meetings Act, Act 267 of 1976.

You will notice a numbering system under each heading. There is significance to these numbers. Each agenda item is numbered consecutively beginning in January and continues through December of each calendar year.

The City of Monroe will provide necessary reasonable auxiliary aids and services to individuals with disabilities at the meeting/hearing upon one week's notice to the City Clerk/Treasurer. Individuals with disabilities requiring auxiliary aids or services should contact the City of Monroe by writing or calling: City of Monroe, City Clerk/Treasurer, 120 E. First St., Monroe, MI 48161, (734) 384-9136. The City of Monroe website address is www.monroemi.gov.

**AGENDA - CITY COUNCIL REGULAR MEETING
MONDAY, AUGUST 3, 2009**

I. CALL TO ORDER.

II. ROLL CALL.

III. INVOCATION/PLEDGE OF ALLEGIANCE.

IV. PRESENTATION.

Presentation by Ike Smith on behalf of One Sheep Ministries to Paula's House.

V. COUNCIL ACTION.

161 Tabled at the July 20, 2009 meeting.

Communication from the Finance Director, submitting the revised fee reimbursement schedule for ambulance fees charged by the City of Monroe, and recommending that Council approve the recommended ambulance service fee schedule to be effective August 1, 2009. It was moved by Councilman Molenda and seconded by Councilman Beneteau that item 161 be tabled until the next regular council meeting scheduled August 3, 2009.

VI. CONSENT AGENDA. (All items listed under the Consent Agenda are considered to be routine by Mayor and Council and will be approved by one motion, unless a Council member or citizen requests that an item be removed and acted on as a separate agenda item)

A. Approval of the Minutes of the Work Session held on, Monday, July 13, 2009, the Minutes of the Special Meeting held on Monday, July 20, 2009, and the Minutes of the Regular Meeting held on Monday, July 20, 2009.

B. Approval of payments to vendors in the amount of \$_____.
Action: Bills be allowed and warrants drawn on the various accounts for their payment.

167 DWRP Water Main Rehabilitation Program Bids.

1. Communication from the Director of Engineering & Public Services, reporting back on bids received for a large-scale water main replacement division rehabilitation program, including: Division M, Division N, Division O, and Division P, and recommending that Council

conditionally award the above contract to Insituform Technologies USA, Inc., in the amount of \$1,791,706.50, and that a total of \$1,899,300 be encumbered to include a 6% project contingency (the maximum allow by the DWARF program), subject to final MDEQ approval, and further recommending that the attached resolution be adopted and forwarded to the MDEQ and further recommending that the Mayor and Clerk-Treasurer be authorized to sign the construction contracts on behalf of the City of Monroe, and that the City Manager, Director of Water & Wastewater Utilities, and the Director of Engineering & Public Services or their designees be authorized to sign any relevant documentation for submission to the MDEQ for funding.

2. Supporting documents.
3. Action: Accept, place on file and the resolution be adopted.

168 DWRF Water Main Rehabilitation Program Bids.

1. Communication from the Director of Engineering & Public Services, reporting back on bids received for a large-scale water main replacement division rehabilitation program, including: Division A, Division B, Division C, Division D, Division E, Division F, Division G, Division H, Division I, Division J, Division K, Division L, and recommending that Council conditionally award Groups B and C of the above contract to C & D Hughes, Inc. in the amount of \$1,216,726.80, and that a total of \$1,289,800 be encumbered to include a 6% project contingency (the maximum allowed by the program), subject to final MDEQ approval, and further recommending that Council conditionally award Group A of the above contract to Salenbien Trucking and Excavation, Inc. in the amount of \$713,810.50, that a total of \$756,700 be encumbered to include a 6% project contingency, subject to final MDEQ approval, and subject to their satisfaction to the City's Labor Harmony Agreement, and further recommending that the attached resolution be adopted and forwarded to the MDEQ and further recommending that the Mayor and Clerk-Treasurer be authorized to sign the construction contracts on behalf of the City of Monroe, and that the City Manager, Director of Water & Wastewater Utilities, and the Director of Engineering & Public Services or their designees be authorized to sign any relevant documentation for submission to the MDEQ for funding.
2. Supporting documents.
3. Action: Accept, place on file and the resolution be adopted.

169 Leaf Bag Purchase Bids.

1. Communication from the Director of Engineering & Public services, reporting back on bids for the purchase of biodegradable paper compost bags for distribution to City residents for fall leaf collection, and recommending that the award for 72,000 bags be awarded to the DANO Corporation, and that the Director of Engineering & Public Services be authorized to execute a purchase order in the amount of \$22,608.00.
2. Supporting documents.
3. Action: Accept, place on file and the recommendation be carried out.

170 Almyra Avenue Sanitary Sewer Replacement Bids.

1. Communication from the Director of Engineering & Public Services, reporting back on bids received for the Almyra Avenue sanitary sewer replacement from East Third Street to Wood Avenue, and recommending that Council award the above contract to C & D Hughes, Inc. in the amount of \$93,153.90, conditioned upon final clearance of the project from HUD, and that

a total of \$107,000 be encumbered to include a 15% project contingency, and further recommending that the Mayor and Clerk-Treasurer be authorized to sign the contracts on behalf of the City of Monroe.

2. Supporting documents.
 3. Action: Accept, place on file and the recommendation be carried out.
- 171 Demolition Bid – 810 East Noble Avenue.
1. Communication from the Building Official, reporting back on bids received for the demolition of a property located at 810 East Noble Avenue and recommending that the award be made to Erie Demolition & Salvage, Inc., at a total cost of \$7,200.00, and further recommending that the Mayor and Clerk-Treasurer be authorized to sign the contracts on behalf of the City of Monroe.
 2. Supporting documents.
 3. Action: Accept, place on file and the recommendation be carried out.
- 172 River Raisin Labor Day Festival Banner Request.
1. Communication from the City Manager's Office reporting back on a request from the Monroe County Convention & Tourism Bureau for permission to display a banner across East Front Street from August 24 – September 6, 2009, announcing the River Raisin Labor Day BBQ Festival on September 5, 2009, and recommending approval of this request.
 2. Supporting documents.
 3. Action: Accept, place on file and that the recommendation be carried out.
- 173 Professional Services to inspect the Wastewater Treatment Plant Outfall Line Quote.
1. Communication from the Director of Water & Wastewater, reporting back on quotes received for professional services from qualified companies to inspect the Wastewater Treatment Plant (WWTP) 72 inch diameter outfall line, and recommending that a purchase order in the amount of \$13,004.00 for professional services to inspect the WWTP 72 inch diameter outfall line (approximately 7000 LFT long) be award to Hibbard Inshore, LLC according to their quote dated June 16, 2009.
 2. Supporting documents.
 3. Action: Accept, place on file and the recommendation be carried out.
- 174 Scottwood Avenue Block Party.
1. Communication from the City Manager's Office, reporting back on a request from Maureen Quinn on behalf of the residents of Scottwood Avenue for permission to hold their annual block party on August 15, 2009 and to close the 500 block of Scottwood Avenue from 2:00 p.m. – 10:00 p.m., and recommending that Council approve the request contingent upon items being met as outlined by the administration, subject to no additional overtime or other costs to the city, and that the City Manager be granted authority to alter/amend the event due to health and/or safety reasons.
 2. Supporting documents.
 3. Action: Accept, place on file and the recommendation be carried out.

175 River Raisin Labor Day Festival.

1. Communication from the City Manager's Office, reporting back on a request from the Monroe County Convention & Tourism Bureau for permission to hold the 3rd annual River Raisin Labor Day BBQ Festival on September 5, 2009, and to close E. Front Street between S. Monroe & S. Macomb Streets as well as W. Front Street between Cass & Monroe Streets on September 5th from 12 noon – 10 p.m., and recommending that Council approve the request contingent upon items being met as outlined by the administration, subject to costs recovery & fee waivers in accordance with City Council adopted policy, insurance requirements being met, Fire Department guidelines to be followed: 1. MFD SOG 5017, 2. International Fire Code 2403 & 2404, Tents and Canopies, 3. International Fire Code D103.1 Fire Apparatus Access Road, minimum of 20', and 4. Allow for Fire Dept. inspection prior to event, and that the City manager be granted authority to alter/amend the event due to health and/or safety reasons.
2. Supporting documents.
3. Action: Accept, place on file and the recommendation be carried out.

176 Memorial 9/11 "Bike Night".

1. Communication from the City Manager's Office, reporting back on a request from Firefighter Mike DeSloover on behalf of the Firefighters Local 326 for permission to hold the 3rd annual 9/11 Memorial Bike Night on September 11, 2009, and to close Washington Street between E. First and E. Front Street and E. Front Street from S. Macomb to S. Monroe Street from 5:00 p.m. – 10:00 p.m., and recommending that Council approve the request contingent upon items being met as outlined by the administration, subject to costs recovery & fee waivers in accordance with City Council adopted policy, and that the City Manager be granted authority to alter/amend the event due to health and/or safety reasons.
2. Supporting documents.
3. Action: Accept, place on file and the recommendation be carried out.

177 Appointments Resolution.

1. Communication from the Mayor's Office, submitting a proposed resolution for appointments to various City Boards and Commissions, and recommend the proposed Resolution be adopted.
2. Supporting documents.
3. Action: Accept, place on file and the resolution be adopted.

178 Proposed Charter Amendments – Resolutions for Clerk and Treasurer.

1. Communication from the City Managers Office, submitting four (4) resolutions that would place four (4) charter amendments on the November 3, 2009 ballot and if approved by the voters the charter amendment language proposed would do the following:
Resolution #1 - Amends section 10 of the Monroe City Charter, pertaining to officers elected, by removing language referring to the Clerk/Treasurer.
Resolution #2 - Amends Section 46 of the Monroe City Charter, pertaining to elective officers designated, by removing language referring to the Clerk/Treasurer.
Resolution #3 - Amends Section 47 of the Monroe City Charter, pertaining to officers of the City appointed, by adding language referring to the Clerk and Treasurer appointments and dismissal and by removing language pertaining to other appointed officers of the City that are no longer valid.

Resolution #4 – Amends Section 80 of the Monroe City Charter, pertaining to Authority of the City Manager, by removing and modifying language that will further consolidate most employment management responsibilities with the City Manager, under policies and guidelines reviewed and approved by the Mayor and City Council.

In order to implement recommendations made in the City's Operational Assessment and to achieve additional efficiencies and economies in City operations, it is recommended that Council approve Resolutions 1, 2, 3, and 4, place the proposed charter amendments on the November 3, 2009 ballot, for consideration by City of Monroe Voters.

2. Supporting documents.
3. Action: Accept, place on file and the resolution be adopted.

179 Bridge Repair and Rehabilitation Charter Amendment Resolution.

1. Communication from the Director of Finance, submitting a proposed resolution to place the charter amendment question relating to the additional millage for bridges on the November 3, 2009 ballot, and if approved by the voters, the charter language would amend section 118 of the charter of the City of Monroe to allow Council to levy up to .52 mill on the taxable value of property located in the City of Monroe for twenty (20) years beginning with the 2010 tax year and running through the 2029 tax years, which will raise in the first year of such levy an estimated revenue of four hundred sixty eight thousand dollars (\$468,000.00) to be used for the purpose of repairing and rehabilitating the Roessler Street, Macomb Street and Winchester Street bridges, and recommend the proposed Resolution be adopted.

2. Supporting documents.
3. Action: Accept, place on file and the resolution be adopted.

VII. MAYOR'S COMMENTS.

VIII. CITY MANAGER COMMUNICATION.

IX. COUNCIL COMMENTS.

X. CITIZEN COMMENTS.

XI. ADJOURNMENT.



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: 2009 DRINKING WATER REVOLVING FUND (DWRF) WATER MAIN REHABILITATION PROGRAM
(PROJECT 7227-01) – REPORT ON BIDS RECEIVED

DISCUSSION: As you are likely aware, the Water Department has been embarking upon a large-scale water main replacement and rehabilitation program throughout the City. This program is intended to be a 3-year program, and the City is nearing completion of the “first” year (2008) projects at this time. The first year of the program included approximately 2.4 miles of main replacement and 2.6 miles of main rehabilitation. While the City was unsuccessful in securing outside funding for the first year projects, Year 2 has been funded for low-interest borrowing through the State of Michigan’s Drinking Water Revolving Fund (DWRF) program, and we have been programming the projects through the Michigan Department of Environmental Quality (MDEQ). As an added bonus to the City, the State of Michigan determined that it would funnel its drinking water funding from the “stimulus” bill, the American Recovery and Reinvestment Act (ARRA) through this DWRF program in the form of principal forgiveness. With the ARRA funding, it appears that the Water Fund will save approximately \$2 million on this project, though the exact amount is not yet known.

While much of the project work is the traditional “open cut” type construction, where a new main is installed in a different location to replace the existing main along a particular street, the City has also programmed some work on its rehabilitation program, which generally involves locations where the main size is adequate, but the flows have been reduced due to tuberculation and other internal deterioration. Rehabilitation versus conventional replacement also provides benefits such as significantly reducing restoration, neighborhood disruption, large trees and landscaping destruction, pavement and other infrastructure damage, and results in reduced time to complete the project. The contractor can rehabilitate up to 500' a day where as in conventional replacement with all the utilities in the downtown areas they may only be able to replace up to 150' per day. In many cases, a rehabilitation project can be more cost-effective than open cutting, however, for this year’s projects, the cost per foot is actually approximately \$125 per foot of new main for replacement projects, and nearly \$250 per foot for rehabilitation. In this year’s project locations, performing open cut construction would result in substantial disruption, particularly on Elm Avenue and Monroe Street. The “rehabilitation” portion of the “Year 2” project includes approximately 1.3 miles of replacement of mains in the following geographic locations, sequenced in order after the replacement divisions:

Division M: Washington Street – Fourth to First

Division N: Jerome Street – First to Front

Division O: East First Street – Winchester to east end

Division P: Elm Avenue – Godfroy to Macomb and Monroe Street – River Raisin to Willow

The Engineering Department opened bids for the above project on Friday, July 17, 2009. There was only one (1) bidder, Insituform Technologies USA, Inc. of Chesterfield, Missouri, in the amount of \$1,791,706.50, which is 12.7 percent (12.7%), or \$201,494, over the Engineer’s Estimate of \$1,590,212.50. Insituform Technologies is our current contractor for the first year work, and have performed satisfactorily. They have officially met the City’s Labor Harmony Requirements to the satisfaction of the City, though there have been several minor disputes between the Operating Engineers and Laborers Unions on site since work began, stemming from the fact that all of their employees are members of the Operating Engineers.

While it is difficult to determine exactly why the bid was 12.7% over the Engineer’s Estimate, we believe that the fact that at least the two bidders from last year’s bidding did not submit a bid on this year’s project may have influenced this year’s numbers to some degree, as it was clear to Insituform Technologies on the day of the bidding that they would be the only qualified bidder. As promised, the Engineering Department did solicit assistance from the relevant unions, but apparently there were no other available contractors that could satisfy the City’s requirements.

Notwithstanding the above, the Engineering Department feels it is still in the best interest of the City of Monroe to award the contract to the lone bidder, given that this project must go forward at this time to receive funding through the DWRF program. The contractual completion date of this project is June 30, 2010, and it is unlikely that any work will occur from mid-November 2009 through March 2010, given concerns over freezing of the at-grade by-pass piping.

(DISCUSSION CONTINUED NEXT PAGE)

(DISCUSSION CONTINUED)

Since this project is subject to final MDEQ approval, any contracts must be conditionally awarded until all MDEQ requirements are satisfied. From this point forward, Part III of the DWRP application must still be completed by the City by August 7. Based on this time table, it is unlikely that the City will receive final clearance to begin construction until mid to late September, following an Order of Approval that must first be provided by the MDEQ. The project has a completion date of June 30, 2010. In addition to our normal bidding requirements, the Davis-Bacon Act specifically applies to labor rates, "Buy American" provisions apply to all materials used on the project, and a Certification by the contractor that they have not been debarred from working on Federal projects that must also be signed by the City is required as well.

IT IS RECOMMENDED that the City Council conditionally award the above contract to Insituform Technologies USA, Inc. in the amount of \$1,791,706.50, and that a total of \$1,899,300 be encumbered to include a 6% project contingency (the maximum allowed by the DWRP program), subject to final MDEQ approval. **IT IS FURTHER RECOMMENDED** that the attached resolution be adopted and forwarded to the MDEQ. **IT IS FURTHER RECOMMENDED** that the Mayor and Clerk-Treasurer be authorized to sign the construction contracts on behalf of the City of Monroe, and that the City Manager, Director of Water and Wastewater Utilities, and the Director of Engineering and Public Services or their designees be authorized to sign any relevant documentation for submission to the MDEQ for funding.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: August 3, 2009

REASON FOR DEADLINE: DWRP Part III Application, including information from this bidding, is due on August 7, 2009.

STAFF RECOMMENDATION: X For Against

REASON AGAINST: N/A

INITIATED BY: Department of Engineering and Public Services

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: City Council, Engineering Department, Water Department, adjacent property owners and residents

FINANCES

COST AND REVENUE PROJECTIONS:	Cost of Total Project	\$5,100,000*
	Cost of This Project Approval	\$1,889,300**

*Includes total overall project costs of Year 2 projects, including Engineering, Construction, Legal, Advertising, etc.

**Includes 6% contingency for this construction contracts

Related Annual Operating Cost	\$ N/A
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Increased Revenue Expected/Year	\$ N/A
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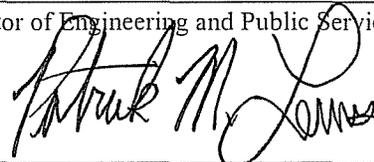
SOURCE OF FUNDS:	<u>City</u>	<u>Account Number</u>	<u>Amount</u>
	Water Main Impr. – Year 2	591-40.538-972.000 09W08	\$1,899,300

Other Funds

Budget Approval: _____

FACT SHEET PREPARED BY: Patrick M. Lewis, P.E., Director of Engineering and Public Services **DATE:** 07/22/09

REVIEWED BY:



DATE:

COUNCIL MEETING DATE: August 3, 2009

**A RESOLUTION TO TENTATIVELY AWARD
A CONSTRUCTION CONTRACT FOR WATER SYSTEM IMPROVEMENTS**

WHEREAS, the City of Monroe wishes to construct improvements to its existing water treatment and distribution system; and

WHEREAS, the water system improvements project formally adopted on April 2, 2007 will be funded through the State of Michigan's Drinking Water Revolving Loan Fund (DWRP) program; and

WHEREAS, the City of Monroe has sought and received construction bids for the proposed improvements and has received a low bid in the amount of \$1,791,706.50 from Insituform Technologies USA, Inc.; and

WHEREAS, the City of Monroe's Director of Engineering and Public Services, Patrick M. Lewis, P.E., has recommended awarding the contract to the low bidder of each subdivided group;

NOW, THEREFORE BE IT RESOLVED, that the City of Monroe tentatively awards the contract for construction of the proposed water system improvements project to Insituform Technologies USA, Inc., contingent upon successful financial arrangements with the DWRP.

Yeas:
Neas:
Abstain:
Absent:

I certify that the above Resolution was adopted by the Monroe City Council on August 3, 2009.

By: _____
Charles D. Evans, Clerk-Treasurer

_____ Date

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REHABILITATION PROGRAM PROJECT NO. 7227-01				ENGINEER'S ESTIMATE		INSITUFORM TECHNOLOGIES USA, INC.	
ITEM NO.	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	COST	UNIT PRICE	COST
1	R&R FIRE HYDRANT ASSEMBLY, COMPLETE	14.0	EA	\$ 4,500.00	\$ 63,000.00	\$ 6,513.00	\$ 91,182.00
2	R&D FIRE HYDRANT ASSEMBLY, COMPLETE	2.0	EA	\$ 2,000.00	\$ 4,000.00	\$ 2,415.00	\$ 4,830.00
3	R&D 6" GATE VALVE & BOX	2.0	EA	\$ 1,500.00	\$ 3,000.00	\$ 1,582.00	\$ 3,164.00
4	R&D 8" GATE VALVE & BOX	8.0	EA	\$ 1,750.00	\$ 14,000.00	\$ 1,625.00	\$ 13,000.00
5	R&R 6" GATE VALVE & BOX	1.0	EA	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
6	R&R 8" GATE VALVE & BOX	8.0	EA	\$ 2,700.00	\$ 21,600.00	\$ 2,730.00	\$ 21,840.00
7	R&D EXST'G. 6" W.M.	182.0	LFT	\$ 100.00	\$ 18,200.00	\$ 225.00	\$ 40,950.00
8	ABANDON EXST'G M.L.V. M.H.	1.0	EA	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00
9	8" WATERMAIN CLEANING AND LINING	6851.5	LFT	\$ 125.00	\$ 856,437.50	\$ 121.00	\$ 829,031.50
10	F&I 6" D.I. CL 52 POLYWRAPPED WATER MAIN	5.0	LFT	\$ 85.00	\$ 425.00	\$ 245.00	\$ 1,225.00
11	F&I 8" D.I. CL 52 POLYWRAPPED WATER MAIN	203.0	LFT	\$ 100.00	\$ 20,300.00	\$ 333.00	\$ 67,599.00
12	F&I 6" GATE VALVE & BOX	5.0	EA	\$ 2,900.00	\$ 14,500.00	\$ 2,600.00	\$ 13,000.00
13	F&I 8" GATE VALVE & BOX	10.0	EA	\$ 3,500.00	\$ 35,000.00	\$ 3,500.00	\$ 35,000.00
14	F&I FIRE HYDRANT ASSEMBLY, COMPLETE	3.0	EA	\$ 4,000.00	\$ 12,000.00	\$ 6,395.00	\$ 19,185.00
15	2-WAY INTERSECTION ACCESS PIT AND RESTORATION	12.0	EA	\$ 4,500.00	\$ 54,000.00	\$ 4,200.00	\$ 50,400.00
16	3-WAY INTERSECTION ACCESS PIT AND RESTORATION	18.0	EA	\$ 4,700.00	\$ 84,600.00	\$ 4,500.00	\$ 81,000.00
17	4-WAY INTERSECTION ACCESS PIT AND RESTORATION	2.0	EA	\$ 5,300.00	\$ 10,600.00	\$ 5,100.00	\$ 10,200.00
18	FIRE HYDRANT ACCESS PIT AND RESTORATION	17.0	EA	\$ 3,500.00	\$ 59,500.00	\$ 4,200.00	\$ 71,400.00
19	RECONNECT EXST'G. WATER SERVICE 2" AND SMALLER	65.0	EA	\$ 750.00	\$ 48,750.00	\$ 1,000.00	\$ 65,000.00
20	REPLACE EXST'G. WATER SERVICE 2" AND SMALLER	24.0	EA	\$ 1,200.00	\$ 28,800.00	\$ 1,800.00	\$ 43,200.00
21	TRAFFIC CONTROL-DIV "M"	1.0	LS	\$ 3,500.00	\$ 3,500.00	\$ 7,500.00	\$ 7,500.00
22	SITE RESTORATION-DIV "M"	1.0	LS	\$ 2,500.00	\$ 2,500.00	\$ 12,500.00	\$ 12,500.00
23	TEMPORARY WATER SYSTEM BYPASS-DIV "M"	1.0	LS	\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	\$ 15,000.00
24	TRAFFIC CONTROL-DIV "N"	1.0	LS	\$ 3,500.00	\$ 3,500.00	\$ 7,500.00	\$ 7,500.00
25	SITE RESTORATION-DIV "N"	1.0	LS	\$ 2,500.00	\$ 2,500.00	\$ 14,000.00	\$ 14,000.00
26	TEMPORARY WATER SYSTEM BYPASS-DIV "N"	1.0	LS	\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	\$ 15,000.00
27	TRAFFIC CONTROL-DIV "O"	1.0	LS	\$ 4,000.00	\$ 4,000.00	\$ 7,500.00	\$ 7,500.00
28	SITE RESTORATION-DIV "O"	1.0	LS	\$ 2,500.00	\$ 2,500.00	\$ 14,000.00	\$ 14,000.00
29	TEMPORARY WATER SYSTEM BYPASS-DIV "O"	1.0	LS	\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	\$ 15,000.00
30	TRAFFIC CONTROL-DIV "P"	1.0	LS	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00
31	SITE RESTORATION-DIV "P"	1.0	LS	\$ 2,500.00	\$ 2,500.00	\$ 14,000.00	\$ 14,000.00
32	TEMPORARY WATER SYSTEM BYPASS-DIV "P"	1.0	LS	\$ 7,500.00	\$ 7,500.00	\$ 10,000.00	\$ 10,000.00
33	TEMPORARY WATER SYSTEM WITH NEW BYPASS MEANS	25.0	EA	\$ 2,400.00	\$ 60,000.00	\$ 2,500.00	\$ 62,500.00
34	4" INSERTA VALVE	5.0	EA	\$ 5,500.00	\$ 27,500.00	\$ 5,500.00	\$ 27,500.00
35	6" INSERTA VALVE	5.0	EA	\$ 5,700.00	\$ 28,500.00	\$ 5,800.00	\$ 29,000.00
36	8" INSERTA VALVE	5.0	EA	\$ 6,000.00	\$ 30,000.00	\$ 6,100.00	\$ 30,500.00
37	EXCAVATION FOR RECONNECTION OF EXST'G SERVICE CONNECTION SIZE UNKNOWN	5.0	EA	\$ 6,900.00	\$ 34,500.00	\$ 7,500.00	\$ 37,500.00
				CONSTRUCTION COST TOTAL	\$ 1,590,212.50		\$ 1,791,706.50



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: 2009 DRINKING WATER REVOLVING FUND (DWRP) WATER MAIN REPLACEMENT PROGRAM
(PROJECT 7227-01)– REPORT ON BIDS RECEIVED

DISCUSSION: As you are likely aware, the Water Department has been embarking upon a large-scale water main replacement and rehabilitation program throughout the City. This program is intended to be a 3-year program, and the City is nearing completion of the “first” year (2008) projects at this time. The first year of the program included approximately 2.4 miles of main replacement and 2.6 miles of main rehabilitation. While the City was unsuccessful in securing outside funding for the first year projects, Year 2 has been funded for low-interest borrowing through the State of Michigan’s Drinking Water Revolving Fund (DWRP) program, and we have been programming the projects through the Michigan Department of Environmental Quality (MDEQ). As an added bonus to the City, the State of Michigan determined that it would funnel its drinking water funding from the “stimulus” bill, the American Recovery and Reinvestment Act (ARRA) through this DWRP program in the form of principal forgiveness. With the ARRA funding, it appears that the Water Fund will save approximately \$2 million on this project, though the exact amount is not yet known.

The “replacement” portion of the “Year 2” project, involving the traditional open cut type construction, includes approximately 3.0 miles of replacement of mains in the following geographic locations:

- Division A / Group A: West Vine – Borgess to St. Mary’s, West Willow – Godfroy to St. Mary’s, Borgess – Willow to Vine
- Division B / Group A: Sheridan Drive – full length
- Division C / Group A: East Vine – Willow to Tremont, Tremont – Elm to Vine
- Division D / Group A: East Noble – Macomb to Riverview, Lincoln – Elm to Noble
- Division E / Group B: Union Street – Fifth to Third
- Division F / Group B: West Sixth Street – Union to Adams
- Division G / Group B: Humphrey Street – Scott to Jerome
- Division H / Group B: East Second Street – Jerome to Winchester
- Division I / Group C: East Fourth Street – Jerome to Kentucky
- Division J / Group C: Eastchester Street – Sixth to Third
- Division K / Group C: O’Brien – West end to Island, Island – Front to O’Brien
- Division L / Group C: Palmwood – City line to Telegraph, South Telegraph – Palmwood to South Custer

In order to allow medium-sized contractors the ability to bid on portions of the project without exceeding their bonding capacity, the Engineering Department split the project into 3 groups (A, B, and C noted above) for bidding purposes. The Engineering Department opened bids for the above project on Wednesday, July 15, 2009 (Group A) and Friday, July 17, 2009 (Groups B and C). Five (5) bidders submitted bids on all three groups, and one (1) bidder submitted a bid on Groups A and B only. Bid tabulations for all groups are attached for your review. The contract documents allowed the City to potentially award a bid for each group separately, or combine all groups to award one contract to the overall low bidder if it appeared to the City’s advantage.

To summarize the lengthy bid tabulations, the following are the Engineer’s estimate and the low bid for each project group:

<u>Group</u>	<u>Engineer’s Est.</u>	<u>Low Bid</u>	<u>Savings</u>	<u>% over / under</u>	<u>Low Bidder</u>
A	\$930,843.50	\$713,810.50	\$217,033.00	23.3% under	Salenbien Trucking and Excavating, Inc.
B	\$916,745.50	\$697,864.00	\$218,881.50	23.9% under	C & D Hughes, Inc.
C	<u>\$692,621.00</u>	<u>\$518,862.80</u>	<u>\$173,758.20</u>	<u>25.1% under</u>	C & D Hughes, Inc.
All	\$2,540,210.00	\$1,930,537.30	\$609,672.70	24.0% under	

The low bidder for Group A is Salenbien Trucking and Excavating, Inc. of Dundee, and the low bidder on Groups B and C is C & D Hughes, Inc. of Charlotte. The overall low bidder for all groups together is Salenbien Trucking and Excavating, Inc. at a total price of \$2,038,454.80. However, since the City reserves the right to award by Group, and awarding the entire contract to the overall low bidder would cost more than \$100,000 more than awarding the groups separately, it does not appear in the City’s best interest to do so.

(DISCUSSION CONTINUED NEXT PAGE)

(DISCUSSION CONTINUED)

The low bidder on Groups B and C, C & D Hughes, is currently employed by the City performing water main replacement work in areas funded through the City's general obligation bonds in 2009. They have been performing satisfactorily to date, and met our Labor Harmony requirements as detailed in the contract at the time of their award for that work in April 2009. We believe that no further documentation is necessary to prove evidence that these requirements are met.

The low bidder on Group A, Salenbien Trucking and Excavating, Inc., has not performed work for the City of Monroe to date. They have, however, performed work in the South County Water System, and we believe that they are capable of completing project work on this contract as well. At the time of writing of this Fact Sheet, proof that the City's Labor Harmony requirements are met has been requested from them. As with all contracts where Labor Harmony applies, the contract award is contingent upon submission of acceptable documentation to the City.

Since this project is subject to final MDEQ approval, any contracts must be conditionally awarded until all MDEQ requirements are satisfied. From this point forward, Part III of the DWRF application must still be completed by the City by August 7. Based on this time table, it is unlikely that the City will receive final clearance to begin construction until mid to late September, following an Order of Approval that must first be provided by the MDEQ. All contract Groups have a contract completion date of June 30, 2010. In addition to our normal bidding requirements, the Davis-Bacon Act specifically applies to labor rates, "Buy American" provisions apply to all materials used on the project, and a Certification by the contractor(s) that they have not be debarred from working on Federal projects that must also be signed by the City is required as well.

IT IS RECOMMENDED that the City Council conditionally award Groups B and C of the above contract to C & D Hughes, Inc. in the amount of \$1,216,726.80, and that a total of \$1,289,800 be encumbered to include a 6% project contingency (the maximum allowed by the DWRF program), subject to final MDEQ approval. **IT IS FURTHER RECOMMENDED** that the City Council conditionally award Group A of the above contract to Salenbien Trucking and Excavating, Inc. in the amount of \$713,810.50, that a total of \$756,700 be encumbered to include a 6% project contingency, subject to final MDEQ approval, and subject to their satisfaction of the City's Labor Harmony Agreement. **IT IS FURTHER RECOMMENDED** that the attached resolution be adopted and forwarded to the MDEQ. **IT IS FURTHER RECOMMENDED** that the Mayor and Clerk-Treasurer be authorized to sign the construction contracts on behalf of the City of Monroe, and that the City Manager, Director of Water and Wastewater Utilities, and the Director of Engineering and Public Services or their designees be authorized to sign any relevant documentation for submission to the MDEQ for funding.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: August 3, 2009

REASON FOR DEADLINE: DWRF Part III Application, including information from this bidding, is due on August 7, 2009.

STAFF RECOMMENDATION: For Against

REASON AGAINST: N/A

INITIATED BY: Department of Engineering and Public Services

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: City Council, Engineering Department, Water Department, adjacent property owners and residents

FINANCES

COST AND REVENUE PROJECTIONS:	Cost of Total Project	\$5,100,000*
	Cost of This Project Approval	\$2,046,500**

*Includes total overall project costs of Year 2 projects, including Engineering, Construction, Legal, Advertising, etc.

**Includes 6% contingency for these construction contracts

Related Annual Operating Cost	\$ N/A
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Increased Revenue Expected/Year	\$ N/A
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SOURCE OF FUNDS:	<u>City</u>	<u>Account Number</u>	<u>Amount</u>
	Water Main Impr. – Year 2	591-40.538-972.000 09W08	\$2,046,500

Other Funds

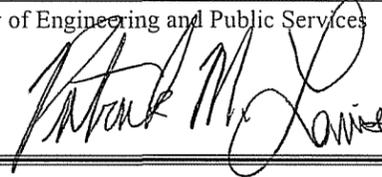
Budget Approval: _____

FACT SHEET PREPARED BY: Patrick M. Lewis, P.E., Director of Engineering and Public Services **DATE:** 07/22/09

REVIEWED BY:

DATE:

COUNCIL MEETING DATE: August 3, 2009



**A RESOLUTION TO TENTATIVELY AWARD
A CONSTRUCTION CONTRACT FOR WATER SYSTEM IMPROVEMENTS**

WHEREAS, the City of Monroe wishes to construct improvements to its existing water treatment and distribution system; and

WHEREAS, the water system improvements project formally adopted on April 2, 2007 will be funded through the State of Michigan's Drinking Water Revolving Loan Fund (DWRf) program; and

WHEREAS, the City of Monroe has sought and received construction bids for the proposed improvements and has received a low bid in the amount of \$713,810.50 for Group "A" from Salenbien Trucking and Excavating, Inc., a low bid in the amount of \$697,864.00 for Group "B" from C & D Hughes, Inc., and a low bid in the amount of \$518,862.80 for Group "C" from C & D Hughes, Inc.; and

WHEREAS, the City of Monroe's Director of Engineering and Public Services, Patrick M. Lewis, P.E., has recommended awarding the contract to the low bidder of each subdivided group;

NOW, THEREFORE BE IT RESOLVED, that the City of Monroe tentatively awards the contract for construction of the proposed water system improvements project to Salenbien Trucking and Excavating (Group A) and C & D Hughes, Inc. (Group B and C), contingent upon successful financial arrangements with the DWRf.

- Yeas:
- Neas:
- Abstain:
- Absent:

I certify that the above Resolution was adopted by the Monroe City Council on August 3, 2009.

By: _____ Date _____
Charles D. Evans, Clerk-Treasurer

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP A

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP A				ENGINEERS ESTIMATE		SALENBIEN TRUCKING AND EXCAVATING, INC.		ZINK/COVELL EXCAVATING, INC.		PETER A. BASILE SONS, INC.		C & D HUGHES, INC.		E.R. ZEILER EXCAVATING, INC.		GLEASON CONSTRUCTION CO., INC.	
	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	COLD MILL 2" HMA SURFACE	726.0	SYD	\$14.00	\$ 10,164.00	\$ 3.00	\$ 2,178.00	\$ 4.31	\$ 3,129.06	\$ 6.00	\$ 4,356.00	\$ 7.00	\$ 5,082.00	\$ 10.00	\$ 7,260.00	\$ 8.00	\$ 5,808.00
2	R & D PAVEMENT & APPROACH	797.0	SYD	\$13.00	\$ 10,361.00	\$ 9.00	\$ 7,173.00	\$ 10.00	\$ 7,970.00	\$ 12.00	\$ 9,564.00	\$ 10.00	\$ 7,970.00	\$ 15.00	\$ 11,955.00	\$ 15.00	\$ 11,955.00
3	R & D SPOT CURB	249.0	LFT	\$12.00	\$ 2,988.00	\$ 2.00	\$ 498.00	\$ 5.00	\$ 1,245.00	\$ 7.00	\$ 1,743.00	\$ 10.00	\$ 2,490.00	\$ 6.00	\$ 1,494.00	\$ 16.00	\$ 3,984.00
4	R & D SIDEWALK	12165.0	SFT	\$3.50	\$ 42,577.50	\$ 1.00	\$ 12,165.00	\$ 1.00	\$ 12,165.00	\$ 0.50	\$ 6,082.50	\$ 1.00	\$ 12,165.00	\$ 2.00	\$ 24,330.00	\$ 4.00	\$ 48,660.00
5	R & D EXST'G VALVE BOX	11.0	EA	\$500.00	\$ 5,500.00	\$ 150.00	\$ 1,650.00	\$ 400.00	\$ 4,400.00	\$ 265.00	\$ 2,915.00	\$ 200.00	\$ 2,200.00	\$ 150.00	\$ 1,650.00	\$ 210.00	\$ 2,310.00
6	ABANDON EXST'G VALVE MANHOLE	4.0	EA	\$600.00	\$ 2,400.00	\$ 300.00	\$ 1,200.00	\$ 408.75	\$ 1,635.00	\$ 350.00	\$ 1,400.00	\$ 250.00	\$ 1,000.00	\$ 500.00	\$ 2,000.00	\$ 600.00	\$ 2,400.00
7	R & S EXST'G HYD BRANCH, HYDRANT, VALVE & VALVE BOX	9.0	EA	\$750.00	\$ 6,750.00	\$ 500.00	\$ 4,500.00	\$ 263.80	\$ 2,374.20	\$ 275.00	\$ 2,475.00	\$ 350.00	\$ 3,150.00	\$ 200.00	\$ 1,800.00	\$ 2,750.00	\$ 24,750.00
8	R & D EXST'G 4" DIA. W.M.	0.0	LFT	\$15.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	R & D EXST'G 6" DIA. W.M.	54.0	LFT	\$15.00	\$ 810.00	\$ 25.00	\$ 1,350.00	\$ 3.93	\$ 212.22	\$ 7.00	\$ 378.00	\$ 10.00	\$ 540.00	\$ 9.00	\$ 486.00	\$ 70.00	\$ 3,780.00
10	R & D EXST'G 8" DIA. W.M.	10.0	LFT	\$15.00	\$ 150.00	\$ 25.00	\$ 250.00	\$ 3.93	\$ 39.30	\$ 7.00	\$ 70.00	\$ 10.00	\$ 100.00	\$ 12.00	\$ 120.00	\$ 70.00	\$ 700.00
11	R & D EXST'G 10" DIA. W.M.	0.0	LFT	\$15.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	R & D EXST'G 12" DIA. W.M.	13.0	LFT	\$15.00	\$ 195.00	\$ 25.00	\$ 325.00	\$ 3.93	\$ 51.09	\$ 7.00	\$ 91.00	\$ 10.00	\$ 130.00	\$ 15.00	\$ 195.00	\$ 150.00	\$ 1,950.00
13	R & D EXST'G REDUCER	1.0	EA	\$500.00	\$ 500.00	\$ 650.00	\$ 650.00	\$ 100.00	\$ 100.00	\$ 565.00	\$ 565.00	\$ 100.00	\$ 100.00	\$ 125.00	\$ 125.00	\$ 1,500.00	\$ 1,500.00
14	R & D EXST'G TEE	1.0	EA	\$500.00	\$ 500.00	\$ 350.00	\$ 350.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 125.00	\$ 125.00	\$ 1,500.00	\$ 1,500.00
15	R & D EXST'G BEND	1.0	EA	\$500.00	\$ 500.00	\$ 350.00	\$ 350.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 125.00	\$ 125.00	\$ 1,500.00	\$ 1,500.00
16	R & D EXST'G ROCK	175.0	CYD	\$200.00	\$ 35,000.00	\$ 100.00	\$ 17,500.00	\$ 100.00	\$ 17,500.00	\$ 67.00	\$ 11,725.00	\$ 20.00	\$ 3,500.00	\$ 25.00	\$ 4,375.00	\$ 100.00	\$ 17,500.00
17	CUT & CAP EXST'G 4" W.M.	9.0	EA	\$500.00	\$ 4,500.00	\$ 600.00	\$ 5,400.00	\$ 292.60	\$ 2,633.40	\$ 225.00	\$ 2,025.00	\$ 300.00	\$ 2,700.00	\$ 90.00	\$ 810.00	\$ 1,000.00	\$ 9,000.00
18	CUT & CAP EXST'G 6" W.M.	6.0	EA	\$500.00	\$ 3,000.00	\$ 600.00	\$ 3,600.00	\$ 314.31	\$ 1,885.86	\$ 250.00	\$ 1,500.00	\$ 400.00	\$ 2,400.00	\$ 110.00	\$ 660.00	\$ 1,000.00	\$ 6,000.00
19	CUT & CAP EXST'G 8" W.M.	1.0	EA	\$500.00	\$ 500.00	\$ 600.00	\$ 600.00	\$ 356.53	\$ 356.53	\$ 300.00	\$ 300.00	\$ 500.00	\$ 500.00	\$ 150.00	\$ 150.00	\$ 1,000.00	\$ 1,000.00
20	F & 18" PVC C-900 WATER MAIN	4429.0	LFT	\$60.00	\$ 265,740.00	\$ 24.50	\$ 108,510.50	\$ 42.00	\$ 186,018.00	\$ 46.75	\$ 207,055.75	\$ 58.00	\$ 256,882.00	\$ 68.00	\$ 301,172.00	\$ 92.00	\$ 407,468.00
21	F & 14" D.I. CL 52 POLYWRAPPED WATER MAIN	0.0	LFT	\$100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	F & 16" D.I. CL 52 POLYWRAPPED WATER MAIN	31.0	LFT	\$50.00	\$ 1,550.00	\$ 35.00	\$ 1,085.00	\$ 64.00	\$ 1,984.00	\$ 135.00	\$ 4,185.00	\$ 65.00	\$ 2,015.00	\$ 65.00	\$ 2,015.00	\$ 95.00	\$ 2,945.00
23	F & 18" D.I. CL 52 POLYWRAPPED WATER MAIN	1559.0	LFT	\$70.00	\$ 109,130.00	\$ 36.00	\$ 56,124.00	\$ 54.00	\$ 84,186.00	\$ 70.00	\$ 109,130.00	\$ 65.00	\$ 101,335.00	\$ 70.00	\$ 109,130.00	\$ 92.00	\$ 143,428.00
24	F & 18" D.I. CL52 POLYWRAPPED W.M. IN 20" DIA STEEL CASING JACKED & BORED	0.0	LFT	\$300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	F & 110" D.I. CL 52 POLYWRAPPED WATER MAIN	0.0	LFT	\$100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	F & 112" D.I. CL 52 POLYWRAPPED WATER MAIN	8.0	LFT	\$100.00	\$ 800.00	\$ 60.00	\$ 480.00	\$ 75.00	\$ 600.00	\$ 155.00	\$ 1,240.00	\$ 100.00	\$ 800.00	\$ 100.00	\$ 800.00	\$ 214.25	\$ 1,714.00
27	F & 14" GATE VALVE & BOX	1.0	EA	\$1,200.00	\$ 1,200.00	\$ 780.00	\$ 780.00	\$ 739.14	\$ 739.14	\$ 800.00	\$ 800.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00
28	F & 16" GATE VALVE & BOX	0.0	EA	\$1,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	F & 18" GATE VALVE & BOX	24.0	EA	\$1,500.00	\$ 36,000.00	\$ 1,100.00	\$ 26,400.00	\$ 1,209.26	\$ 29,022.24	\$ 1,150.00	\$ 27,600.00	\$ 1,500.00	\$ 36,000.00	\$ 1,500.00	\$ 36,000.00	\$ 1,700.00	\$ 40,800.00
30	F & 110" GATE VALVE & BOX	0.0	EA	\$1,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	F & 112" GATE VALVE & BOX	1.0	EA	\$2,000.00	\$ 2,000.00	\$ 1,800.00	\$ 1,800.00	\$ 2,135.93	\$ 2,135.93	\$ 2,000.00	\$ 2,000.00	\$ 2,400.00	\$ 2,400.00	\$ 2,125.00	\$ 2,125.00	\$ 2,200.00	\$ 2,200.00
32	F & I CLOSE SETTING HYD BRANCH, COMPLETE	2.0	EA	\$3,000.00	\$ 6,000.00	\$ 2,600.00	\$ 5,200.00	\$ 3,322.13	\$ 6,644.26	\$ 3,500.00	\$ 7,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,450.00	\$ 6,900.00	\$ 6,000.00	\$ 12,000.00
33	F & I STANDARD SETTING HYD BRANCH, COMPLETE	11.0	EA	\$3,000.00	\$ 33,000.00	\$ 2,600.00	\$ 28,600.00	\$ 3,322.13	\$ 36,543.43	\$ 3,225.00	\$ 35,475.00	\$ 3,000.00	\$ 33,000.00	\$ 3,550.00	\$ 39,050.00	\$ 3,800.00	\$ 41,800.00
34	F & 18"x8"x4" D.I. TEE	3.0	EA	\$500.00	\$ 1,500.00	\$ 1,200.00	\$ 3,600.00	\$ 440.19	\$ 1,320.57	\$ 415.00	\$ 1,245.00	\$ 500.00	\$ 1,500.00	\$ 250.00	\$ 750.00	\$ 500.00	\$ 1,500.00
35	F & 18"x8"x6" D.I. TEE	11.0	EA	\$500.00	\$ 5,500.00	\$ 650.00	\$ 7,150.00	\$ 469.82	\$ 5,168.02	\$ 450.00	\$ 4,950.00	\$ 500.00	\$ 5,500.00	\$ 350.00	\$ 3,850.00	\$ 600.00	\$ 6,600.00
36	F & 18"x8"x8" D.I. TEE	9.0	EA	\$500.00	\$ 4,500.00	\$ 2,000.00	\$ 18,000.00	\$ 517.22	\$ 4,654.98	\$ 380.00	\$ 3,420.00	\$ 500.00	\$ 4,500.00	\$ 400.00	\$ 3,600.00	\$ 700.00	\$ 6,300.00
37	F & 110"x10"x8" D.I. TEE	0.0	EA	\$600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	F & 112"x12"x8" D.I. TEE	2.0	EA	\$700.00	\$ 1,400.00	\$ 2,400.00	\$ 4,800.00	\$ 844.28	\$ 1,688.56	\$ 715.00	\$ 1,430.00	\$ 800.00	\$ 1,600.00	\$ 590.00	\$ 1,180.00	\$ 900.00	\$ 1,800.00
39	F & 16"x 6"x 6" STAINLESS STEEL TAPPING SLEEVE, VALVE & THRUST BLOCK	0.0	EA	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	F & 18"x 8"x 8" STAINLESS STEEL TAPPING SLEEVE, VALVE & THRUST BLOCK	0.0	EA	\$5,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41	F & 120"x 20"x 8" STAINLESS STEEL TAPPING SLEEVE, VALVE &	0.0	EA	\$10,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42	F & 18"x8"x6"x6" D.I. CROSS	1.0	EA	\$750.00	\$ 750.00	\$ 3,600.00	\$ 3,600.00	\$ 530.25	\$ 530.25	\$ 400.00	\$ 400.00	\$ 1,000.00	\$ 1,000.00	\$ 400.00	\$ 400.00	\$ 2,000.00	\$ 2,000.00
43	F & 18"x8"x8"x8" D.I. CROSS	1.0	EA	\$750.00	\$ 750.00	\$ 3,600.00	\$ 3,600.00	\$ 566.99	\$ 566.99	\$ 490.00	\$ 490.00	\$ 1,000.00	\$ 1,000.00	\$ 450.00	\$ 450.00	\$ 2,000.00	\$ 2,000.00
44	F & 18"x8"x10"x10" D.I. CROSS	0.0	EA	\$750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45	F & 18"x8"x12"x12" D.I. CROSS	1.0	EA	\$750.00	\$ 750.00	\$ 3,800.00	\$ 3,800.00	\$ 766.07	\$ 766.07	\$ 665.00	\$ 665.00	\$ 1,500.00	\$ 1,500.00	\$ 650.00	\$ 650.00	\$ 2,500.00	\$ 2,500.00
46	F & 14" 45° D.I. BEND AND THRUST BLOCK	10.0	EA	\$350.00	\$ 3,500.00	\$ 400.00	\$ 4,000.00	\$ 257.70	\$ 2,577.00	\$ 160.00	\$ 1,600.00	\$ 200.00	\$ 2,000.00	\$ 225.00	\$ 2,250.00	\$ 240.00	\$ 2,400.00
47	F & 18" 90° D.I. BEND AND THRUST BLOCK	4.0	EA	\$350.00	\$ 1,400.00	\$ 500.00	\$ 2,000.00	\$ 379.14	\$ 1,516.56	\$ 375.00	\$ 1,500.00	\$ 400.00	\$ 1,600.00	\$ 300.00	\$ 1,200.00	\$ 600.00	\$ 2,400.00
48	F & 18" 45° D.I. BEND AND THRUST BLOCK	30.0	EA	\$350.00	\$ 10,500.00	\$ 500.00	\$ 15,000.00	\$ 364.35	\$ 10,930.50	\$ 1,100.00	\$ 33,000.00	\$ 300.00	\$ 9,000.00	\$ 500.00	\$ 15,000.00	\$ 700.00	\$ 21,000.00
49	F & 18" 22 1/2° D.I. BEND AND THRUST BLOCK	0.0	EA	\$350.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50	F & 18" 11 1/4° D.I. BEND AND THRUST BLOCK	1.0	EA	\$350.00	\$ 350.00	\$ 500.00	\$ 500.00	\$ 364.35	\$ 364.35	\$ 330.00	\$ 330.00	\$ 400.00	\$ 400.00	\$ 270.00	\$ 270.00	\$ 700.00	\$ 700.00
51	F & 16" D.I. SOLID SLEEVE	2.0	EA	\$350.00	\$ 700.00	\$ 500.00	\$ 1,000.00	\$ 309.84	\$ 619.68	\$ 3,500.00	\$ 7,000.00	\$ 2,000.00	\$ 4,000.00	\$ 300.00	\$ 600.00	\$ 700.00	\$ 1,400.00
52	F & 18" D.I. SOLID SLEEVE	5.0	EA	\$400.00	\$ 2,000.00	\$ 500.00	\$ 2,500.00	\$ 392.79	\$ 1,963.95	\$ 3,600.00	\$ 18,000.00	\$ 2,000.00	\$ 10,000.00	\$ 500.00	\$ 2,500.00	\$ 800.00	\$ 4,000.00
53	F & 110" D.I. SOLID SLEEVE	0.0	EA	\$400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54	F & 112" D.I. SOLID SLEEVE	1.0	EA	\$40													

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP A

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP A				ENGINEERS ESTIMATE		SALENBIEN TRUCKING AND EXCAVATING, INC.		ZINK/COVELL EXCAVATING, INC.		PETER A. BASILE SONS, INC.		C & D HUGHES, INC.		E.R. ZEILER EXCAVATING, INC.		GLEASON CONSTRUCTION CO., INC.	
	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
68	F & 12" TEMPORARY BLOW-OFF	12.0	EA	\$600.00	\$ 7,200.00	\$ 400.00	\$ 4,800.00	\$ 331.44	\$ 3,977.28	\$ 500.00	\$ 6,000.00	\$ 200.00	\$ 2,400.00	\$ 500.00	\$ 6,000.00	\$ 1,750.00	\$ 21,000.00
69	F & 11" CHLORINATION TAP	9.0	EA	\$600.00	\$ 5,400.00	\$ 350.00	\$ 3,150.00	\$ 180.25	\$ 1,622.25	\$ 600.00	\$ 5,400.00	\$ 200.00	\$ 1,800.00	\$ 300.00	\$ 2,700.00	\$ 1,800.00	\$ 16,200.00
70	F & 14" CONCRETE SIDEWALK	10458.0	SFT	\$4.00	\$ 41,832.00	\$ 4.50	\$ 47,061.00	\$ 2.69	\$ 28,132.02	\$ 3.50	\$ 36,603.00	\$ 2.50	\$ 26,145.00	\$ 6.00	\$ 62,748.00	\$ 4.00	\$ 41,832.00
71	F & 14" ADA CONCRETE SIDEWALK	858.0	SFT	\$10.00	\$ 8,580.00	\$ 5.00	\$ 4,290.00	\$ 8.60	\$ 7,378.80	\$ 12.51	\$ 10,733.58	\$ 8.00	\$ 6,864.00	\$ 12.50	\$ 10,725.00	\$ 12.00	\$ 10,296.00
72	F & 16" CONC. PAVEMENT	648.0	SYD	\$32.00	\$ 20,736.00	\$ 65.00	\$ 42,120.00	\$ 35.62	\$ 23,081.76	\$ 49.00	\$ 31,752.00	\$ 30.00	\$ 19,440.00	\$ 54.00	\$ 34,992.00	\$ 40.00	\$ 25,920.00
73	F & 18" CONC. PAVEMENT	337.0	SYD	\$42.00	\$ 14,154.00	\$ 55.00	\$ 18,535.00	\$ 38.70	\$ 13,041.90	\$ 62.00	\$ 20,894.00	\$ 35.00	\$ 11,795.00	\$ 59.00	\$ 19,883.00	\$ 50.00	\$ 16,850.00
74	F & 16" CONC. PAVT w/ INTEGRAL CURB & GUTTER	0.0	SYD	\$35.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75	F & 1 SPOT CURB	214.0	LFT	\$35.00	\$ 7,490.00	\$ 30.00	\$ 6,420.00	\$ 15.92	\$ 3,406.88	\$ 25.00	\$ 5,350.00	\$ 25.00	\$ 5,350.00	\$ 34.00	\$ 7,276.00	\$ 25.00	\$ 5,350.00
76	F & 136A BIT. HAND PATCH	76.0	TON	\$200.00	\$ 15,200.00	\$ 200.00	\$ 15,200.00	\$ 150.00	\$ 11,400.00	\$ 100.00	\$ 7,600.00	\$ 95.00	\$ 7,220.00	\$ 165.00	\$ 12,540.00	\$ 350.00	\$ 26,600.00
77	F & 136A BIT PAVEMENT	110.0	TON	\$80.00	\$ 8,800.00	\$ 150.00	\$ 16,500.00	\$ 112.88	\$ 12,416.80	\$ 125.00	\$ 13,750.00	\$ 85.00	\$ 9,350.00	\$ 110.00	\$ 12,100.00	\$ 220.00	\$ 24,200.00
78	F & 1 CONTROL DENSITY BACKFILL	600.0	CYD	\$80.00	\$ 48,000.00	\$ 60.00	\$ 36,000.00	\$ 57.00	\$ 34,200.00	\$ 55.00	\$ 33,000.00	\$ 90.00	\$ 54,000.00	\$ 100.00	\$ 60,000.00	\$ 90.00	\$ 54,000.00
79	F & 16" 21-A MDOT STONE (DRIVEWAYS)	28.0	SYD	\$12.00	\$ 336.00	\$ 22.00	\$ 616.00	\$ 10.00	\$ 280.00	\$ 19.00	\$ 532.00	\$ 100.00	\$ 2,800.00	\$ 15.00	\$ 420.00	\$ 60.00	\$ 1,680.00
80	F & 1 BOLLARD	0.0	EACH	\$250.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. A	1.0	LS	\$1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	\$ 3,465.00	\$ 3,465.00	\$ 2,650.00	\$ 2,650.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$12,000.00	\$ 12,000.00
82	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. B	1.0	LS	\$1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 2,541.00	\$ 2,541.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$12,000.00	\$ 12,000.00
83	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. C	1.0	LS	\$1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 3,465.00	\$ 3,465.00	\$ 1,325.00	\$ 1,325.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$12,000.00	\$ 12,000.00
84	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. D	1.0	LS	\$4,000.00	\$ 4,000.00	\$ -	\$ -	\$ 5,544.00	\$ 5,544.00	\$ 5,950.00	\$ 5,950.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$12,000.00	\$ 12,000.00
85	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. E	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. F	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. G	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. H	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. I	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. J	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. L	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93	TRAFFIC CONTROL - DIV. A	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 8,000.00	\$ 8,000.00	\$ 5,082.00	\$ 5,082.00	\$ 7,400.00	\$ 7,400.00	\$ 2,000.00	\$ 2,000.00	\$ 100.00	\$ 100.00	\$ 7,100.00	\$ 7,100.00
94	SITE RESTORATION - DIV. A	1.0	LS	\$4,000.00	\$ 4,000.00	\$ 8,000.00	\$ 8,000.00	\$ 5,082.00	\$ 5,082.00	\$ 6,000.00	\$ 6,000.00	\$ 4,500.00	\$ 4,500.00	\$ 100.00	\$ 100.00	\$ 4,500.00	\$ 4,500.00
95	TRAFFIC CONTROL - DIV. B	1.0	LS	\$1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 3,465.00	\$ 3,465.00	\$ 4,600.00	\$ 4,600.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 7,100.00	\$ 7,100.00
96	SITE RESTORATION - DIV. B	1.0	LS	\$1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 3,465.00	\$ 3,465.00	\$ 2,400.00	\$ 2,400.00	\$ 1,800.00	\$ 1,800.00	\$ 100.00	\$ 100.00	\$ 4,500.00	\$ 4,500.00
97	TRAFFIC CONTROL - DIV. C	1.0	LS	\$1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 5,082.00	\$ 5,082.00	\$ 11,300.00	\$ 11,300.00	\$ 2,500.00	\$ 2,500.00	\$ 100.00	\$ 100.00	\$ 7,100.00	\$ 7,100.00
98	SITE RESTORATION - DIV. C	1.0	LS	\$3,500.00	\$ 3,500.00	\$ -	\$ -	\$ 5,082.00	\$ 5,082.00	\$ 8,400.00	\$ 8,400.00	\$ 4,000.00	\$ 4,000.00	\$ 100.00	\$ 100.00	\$ 4,500.00	\$ 4,500.00
99	TRAFFIC CONTROL - DIV. D	1.0	LS	\$4,000.00	\$ 4,000.00	\$ -	\$ -	\$ 7,464.00	\$ 7,464.00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 100.00	\$ 100.00	\$ 7,100.00	\$ 7,100.00
100	SITE RESTORATION - DIV. D	1.0	LS	\$4,000.00	\$ 4,000.00	\$ -	\$ -	\$ 5,082.00	\$ 5,082.00	\$ 6,400.00	\$ 6,400.00	\$ 9,000.00	\$ 9,000.00	\$ 100.00	\$ 100.00	\$ 4,500.00	\$ 4,500.00
101	TRAFFIC CONTROL - DIV. E	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102	SITE RESTORATION - DIV. E	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103	TRAFFIC CONTROL - DIV. F	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104	SITE RESTORATION - DIV. F	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105	TRAFFIC CONTROL - DIV. G	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106	SITE RESTORATION - DIV. G	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107	TRAFFIC CONTROL - DIV. H	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108	SITE RESTORATION - DIV. H	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109	TRAFFIC CONTROL - DIV. I	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110	SITE RESTORATION - DIV. I	0.0	LS	\$2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111	TRAFFIC CONTROL - DIV. J	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112	SITE RESTORATION - DIV. J	0.0	LS	\$2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113	TRAFFIC CONTROL - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114	SITE RESTORATION - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115	TRAFFIC CONTROL - DIV. L	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116	SITE RESTORATION - DIV. L	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		33874.0			\$ 930,843.50		\$ 713,810.50		\$ 749,751.83		\$ 819,949.83		\$ 848,873.00		\$ 966,030.00		\$ 1,338,680.00
		5988.0			\$ 155		\$ 119										

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP B

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP A				ENGINEERS ESTIMATE		C & D HUGHES, INC.		SALENBIEN TRUCKING AND EXCAVATING, INC.		PETER A. BASILE SONS, INC.		ZINK/COVELL EXCAVATING, INC.		GLEASON CONSTRUCTION CO., INC.		E.R. ZEILER EXCAVATING, INC.	
	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
68	F & 12" TEMPORARY BLOW-OFF	10.0	EA	\$600.00	\$ 6,000.00	\$ 200.00	\$ 2,000.00	\$ 250.00	\$ 2,500.00	\$ 500.00	\$ 5,000.00	\$ 331.44	\$ 3,314.40	\$ 1,063.00	\$ 10,630.00	\$ 500.00	\$ 5,000.00
69	F & 1" CHLORINATION TAP	7.0	EA	\$600.00	\$ 4,200.00	\$ 200.00	\$ 1,400.00	\$ 200.00	\$ 1,400.00	\$ 500.00	\$ 3,500.00	\$ 180.25	\$ 1,261.75	\$ 1,093.00	\$ 7,651.00	\$ 500.00	\$ 3,500.00
70	F & 14" CONCRETE SIDEWALK	3606.0	SFT	\$4.00	\$ 14,424.00	\$ 2.50	\$ 9,015.00	\$ 4.00	\$ 14,424.00	\$ 3.40	\$ 12,260.40	\$ 3.01	\$ 10,854.06	\$ 2.50	\$ 9,015.00	\$ 5.50	\$ 19,833.00
71	F & 14" ADA CONCRETE SIDEWALK	1539.0	SFT	\$10.00	\$ 15,390.00	\$ 8.00	\$ 12,312.00	\$ 6.00	\$ 9,234.00	\$ 8.50	\$ 13,081.50	\$ 8.60	\$ 13,235.40	\$ 7.00	\$ 10,773.00	\$ 7.00	\$ 10,773.00
72	F & 16" CONC. PAVEMENT	1152.0	SYD	\$32.00	\$ 36,864.00	\$ 29.00	\$ 33,408.00	\$ 32.00	\$ 36,864.00	\$ 48.50	\$ 55,872.00	\$ 35.62	\$ 41,034.24	\$ 24.00	\$ 27,648.00	\$ 46.00	\$ 52,992.00
73	F & 18" CONC. PAVEMENT	33.0	SYD	\$42.00	\$ 1,386.00	\$ 35.00	\$ 1,155.00	\$ 36.00	\$ 1,188.00	\$ 65.00	\$ 2,145.00	\$ 48.38	\$ 1,596.54	\$ 31.00	\$ 1,023.00	\$ 64.00	\$ 2,112.00
74	F & 16" CONC. PAVT w/ INTEGRAL CURB & GUTTER	0.0	SYD	\$35.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75	F & 1 SPOT CURB	466.0	LFT	\$35.00	\$ 16,310.00	\$ 25.00	\$ 11,650.00	\$ 25.00	\$ 11,650.00	\$ 25.00	\$ 11,650.00	\$ 15.92	\$ 7,418.72	\$ 15.00	\$ 6,990.00	\$ 28.00	\$ 13,048.00
76	F & 136A BIT. HAND PATCH	81.2	TON	\$200.00	\$ 16,240.00	\$ 95.00	\$ 7,714.00	\$ 200.00	\$ 16,240.00	\$ 125.00	\$ 10,150.00	\$ 150.00	\$ 12,180.00	\$ 215.00	\$ 17,458.00	\$ 250.00	\$ 20,300.00
77	F & 136A BIT PAVEMENT	137.4	TON	\$80.00	\$ 10,992.00	\$ 85.00	\$ 11,679.00	\$ 125.00	\$ 17,175.00	\$ 90.00	\$ 12,366.00	\$ 112.88	\$ 15,509.71	\$ 135.00	\$ 18,549.00	\$ 150.00	\$ 20,610.00
78	F & 1 CONTROL DENSITY BACKFILL	747.5	CYD	\$80.00	\$ 59,800.00	\$ 90.00	\$ 67,275.00	\$ 60.00	\$ 44,850.00	\$ 55.00	\$ 41,112.50	\$ 60.56	\$ 45,268.60	\$ 55.00	\$ 41,112.50	\$ 85.00	\$ 63,537.50
79	F & 16" 21-A MDOT STONE (DRIVEWAYS)	20.0	SYD	\$12.00	\$ 240.00	\$ 50.00	\$ 1,000.00	\$ 28.00	\$ 560.00	\$ 20.00	\$ 400.00	\$ 10.00	\$ 200.00	\$ 36.00	\$ 720.00	\$ 15.00	\$ 300.00
80	F & 1 BOLLARD	0.0	EACH	\$250.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. A	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. B	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. C	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. E	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 3,465.00	\$ 3,465.00	\$ 7,000.00	\$ 7,000.00	\$ 100.00	\$ 100.00
86	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. F	1.0	LS	\$1,500.00	\$ 1,500.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 3,465.00	\$ 3,465.00	\$ 7,000.00	\$ 7,000.00	\$ 100.00	\$ 100.00
87	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. G	1.0	LS	\$1,500.00	\$ 1,500.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 3,465.00	\$ 3,465.00	\$ 7,000.00	\$ 7,000.00	\$ 100.00	\$ 100.00
88	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. H	1.0	LS	\$3,000.00	\$ 3,000.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 3,500.00	\$ 3,500.00	\$ 4,042.50	\$ 4,042.50	\$ 7,000.00	\$ 7,000.00	\$ 100.00	\$ 100.00
89	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. I	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. J	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. L	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93	TRAFFIC CONTROL - DIV. A	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94	SITE RESTORATION - DIV. A	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95	TRAFFIC CONTROL - DIV. B	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96	SITE RESTORATION - DIV. B	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97	TRAFFIC CONTROL - DIV. C	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98	SITE RESTORATION - DIV. C	0.0	LS	\$3,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99	TRAFFIC CONTROL - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100	SITE RESTORATION - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101	TRAFFIC CONTROL - DIV. E	1.0	LS	\$3,000.00	\$ 3,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,620.00	\$ 4,620.00	\$ 4,300.00	\$ 4,300.00	\$ 100.00	\$ 100.00
102	SITE RESTORATION - DIV. E	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 2,520.00	\$ 2,520.00	\$ 5,082.00	\$ 5,082.00	\$ 2,700.00	\$ 2,700.00	\$ 100.00	\$ 100.00
103	TRAFFIC CONTROL - DIV. F	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,620.00	\$ 4,620.00	\$ 4,300.00	\$ 4,300.00	\$ 100.00	\$ 100.00
104	SITE RESTORATION - DIV. F	1.0	LS	\$3,000.00	\$ 3,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 4,200.00	\$ 4,200.00	\$ 5,082.00	\$ 5,082.00	\$ 2,700.00	\$ 2,700.00	\$ 100.00	\$ 100.00
105	TRAFFIC CONTROL - DIV. G	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 5,500.00	\$ 5,500.00	\$ 5,197.50	\$ 5,197.50	\$ 4,300.00	\$ 4,300.00	\$ 100.00	\$ 100.00
106	SITE RESTORATION - DIV. G	1.0	LS	\$3,000.00	\$ 3,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 5,200.00	\$ 5,200.00	\$ 5,775.00	\$ 5,775.00	\$ 2,700.00	\$ 2,700.00	\$ 100.00	\$ 100.00
107	TRAFFIC CONTROL - DIV. H	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00	\$ 7,464.00	\$ 7,464.00	\$ 4,300.00	\$ 4,300.00	\$ 100.00	\$ 100.00
108	SITE RESTORATION - DIV. H	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,775.00	\$ 5,775.00	\$ 2,700.00	\$ 2,700.00	\$ 100.00	\$ 100.00
109	TRAFFIC CONTROL - DIV. I	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110	SITE RESTORATION - DIV. I	0.0	LS	\$2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111	TRAFFIC CONTROL - DIV. J	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112	SITE RESTORATION - DIV. J	0.0	LS	\$2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113	TRAFFIC CONTROL - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114	SITE RESTORATION - DIV. K	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115	TRAFFIC CONTROL - DIV. L	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116	SITE RESTORATION - DIV. L	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117	18" DIA STORM SEWER CONNECTION TO EXISTING MANHOLE	1.0	EA	\$1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00	\$ 850.00	\$ 850.00	\$ 2,593.00	\$ 2,593.00	\$ 3,000.00	\$ 3,000.00	\$ 1,700.00	\$ 1,700.00
118	CUT & TAP EXISTING 12" DIA STORM SEWER	2.0	EA	\$200.00	\$ 400.00	\$ 200.00	\$ 400.00	\$ 500.00	\$ 1,000.00	\$ 150.00	\$ 300.00	\$ 204.38	\$ 408.76	\$ 1,000.00	\$ 2,000.00	\$ 590.00	\$ 1,180.00
119	CUT & TAP EXISTING 18" DIA STORM SEWER	2.0	EA	\$300.00	\$ 600.00	\$ 300.00	\$ 600.00	\$ 500.00	\$ 1,000.00	\$ 150.00	\$ 300.00	\$ 204.38	\$ 408.76	\$ 1,500.00	\$ 3,000.00	\$ 590.00	\$ 1,180.00
120	CUT & TAP EXISTING 12" STEEL WATER MAIN	2.0	EA	\$500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 650.00	\$ 1,300.00	\$ 650.00	\$ 1,300.00	\$ 523.88	\$ 1,047.76	\$ 1,200.00	\$ 2,400.00	\$ 360.00	\$ 720.00
121	F&I 48" DIA STANDARD STORM MANHOLE	3.0	EA	\$1,100.00	\$ 3,300.00	\$ 1,100.00	\$ 3,300.00	\$ 2,000.00	\$ 6,000.00	\$ 1,500.00	\$ 4,500.00	\$ 2,039.63	\$ 6,118.89	\$ 1,250.00	\$ 3,750.00	\$ 2,500.00	\$ 7,500.00
122	F&I 24" DIA RCP CL IV STORM SEWER	37.0	LFT	\$55.00	\$ 2,035.00	\$ 55.00	\$ 2,035.00	\$ 30.00	\$ 1,110.00	\$ 75.00	\$ 2,775.00	\$ 83.11	\$ 3,075.07	\$ 120.00	\$ 4,440.00	\$ 66.00	\$ 2,442.00
123	F&I 18" DIA RCP CL IV STORM SEWER	74.0	LFT	\$45.00	\$ 3,330.00	\$ 45.00	\$ 3,330.00	\$ 30.00	\$ 2,220.00	\$ 65.00	\$ 4,810.00	\$ 72.55	\$ 5,368.70	\$ 100.00	\$ 7,400.00	\$ 51.50	\$ 3,811.00
124	F&I 12" 45° DUCTILE IRON BEND AND THRUST BLOCK	4.0	EA	\$750.00	\$ 3,000.00	\$ 750.00	\$ 3,000.00	\$ 800.00	\$ 3,200.00	\$ 600.00	\$ 2,400.00	\$ 907.10	\$ 3,628.40	\$ 1,400.00	\$ 5,600.00	\$ 580.00	\$ 2,320.00
125	F&I INSTALL 20" 45° DUCTILE IRON BEND AND THRUST BLOCK	4.0	EA	\$3,500.00	\$ 14,000.00	\$ 3,500.00	\$ 14,000.00	\$ 2,000.00	\$ 8,000.00	\$ 1,775.00	\$ 7,100.00	\$ 1,989.00	\$ 7,956.00	\$ 1,450.00	\$ 5,800.00	\$ 1,700.00	\$ 6,800.00
126	F&I INSTALL 20" TO 12" DUCTILE IRON REDUCER	2.0	EA	\$3,500.00	\$ 7,000.00	\$ 3,500.00	\$ 7,000.00	\$ 1,800.00	\$ 3,600.00	\$ 1,200.00	\$ 2,400.00	\$ 1,594.40	\$ 3,188.80	\$ 915.00	\$ 1,830.00	\$ 1,300.00	\$ 2,600.00
127	F&I 8"X8"X20"X20" DUCTILE IRON CROSS	1.0	EA	\$3,500.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,800.00	\$ 2,800.00	\$ 2,500.00	\$ 2,500.00	\$ 2,435.75	\$ 2,435.75	\$ 4,000.00	\$ 4,000.00	\$ 2,570.00	\$ 2,570.00
128	F&I 20" DUCTILE IRON POLYWRAPPED WATER MAIN	56.0	LFT	\$200.00	\$ 11,200.00	\$ 200.00	\$ 11,200.00	\$ 100.00	\$ 5,600.00	\$ 175.00	\$ 9,800.00	\$ 181.27	\$ 10,151.12	\$ 50.00	\$ 2,800.00	\$ 200.00	\$ 11,200.00
					\$ 916,745.50		\$ 697,864.00		\$ 733,151.00		\$ 799,138.55		\$ 824,231.61		\$ 853,943.00		\$ 882,874.90

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP C

2009 DRINKING WATER REVOLVING FUND (DWRP) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP C				ENGINEERS ESTIMATE		C & D HUGHES, INC.		SALENBIEN TRUCKING AND EXCAVATING, INC.		ZINK/COVELL EXCAVATING, INC.		GLEASON CONSTRUCTION CO., INC.		E.R. ZEILER EXCAVATING, INC.	
	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	COLD MILL 2" HMA SURFACE	0.0	SYD	\$14.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	R & D PAVEMENT & APPROACH	1088.0	SYD	\$13.00	\$ 14,144.00	\$ 5.00	\$ 5,440.00	\$ 9.00	\$ 9,792.00	\$ 10.00	\$ 10,880.00	\$ 9.00	\$ 9,792.00	\$ 10.00	\$ 10,880.00
3	R & D SPOT CURB	286.2	LFT	\$12.00	\$ 3,434.40	\$ 8.00	\$ 2,289.60	\$ 2.00	\$ 572.40	\$ 5.00	\$ 1,431.00	\$ 10.00	\$ 2,862.00	\$ 6.00	\$ 1,717.20
4	R & D SIDEWALK	3709.2	SFT	\$3.50	\$ 12,982.20	\$ 1.00	\$ 3,709.20	\$ 1.00	\$ 3,709.20	\$ 1.00	\$ 3,709.20	\$ 2.50	\$ 9,273.00	\$ 3.50	\$ 12,982.20
5	R & D EXST'G VALVE BOX	7.0	EA	\$500.00	\$ 3,500.00	\$ 100.00	\$ 700.00	\$ 150.00	\$ 1,050.00	\$ 400.00	\$ 2,800.00	\$ 125.00	\$ 875.00	\$ 150.00	\$ 1,050.00
6	ABANDON EXST'G VALVE MANHOLE	0.0	EA	\$600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	R & S EXST'G HYD BRANCH, HYDRANT, VALVE & VALVE BOX	7.0	EA	\$750.00	\$ 5,250.00	\$ 500.00	\$ 3,500.00	\$ 250.00	\$ 1,750.00	\$ 263.80	\$ 1,846.60	\$ 1,700.00	\$ 11,900.00	\$ 100.00	\$ 700.00
8	R & D EXST'G 4" DIA. W.M.	60.8	LFT	\$15.00	\$ 912.00	\$ 10.00	\$ 608.00	\$ 3.00	\$ 182.40	\$ 3.93	\$ 238.94	\$ 45.00	\$ 2,736.00	\$ 5.00	\$ 304.00
9	R & D EXST'G 6" DIA. W.M.	6.0	LFT	\$15.00	\$ 90.00	\$ 10.00	\$ 60.00	\$ 3.00	\$ 18.00	\$ 3.93	\$ 23.58	\$ 45.00	\$ 270.00	\$ 5.00	\$ 30.00
10	R & D EXST'G 8" DIA. W.M.	0.0	LFT	\$15.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	R & D EXST'G 10" DIA. W.M.	0.0	LFT	\$15.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	R & D EXST'G 12" DIA. W.M.	5.0	LFT	\$15.00	\$ 75.00	\$ 10.00	\$ 50.00	\$ 3.00	\$ 15.00	\$ 3.93	\$ 19.65	\$ 90.00	\$ 450.00	\$ 5.00	\$ 25.00
13	R & D EXST'G REDUCER	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	R & D EXST'G TEE	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	R & D EXST'G BEND	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	R & D EXST'G ROCK	125.0	CYD	\$200.00	\$ 25,000.00	\$ 50.00	\$ 6,250.00	\$ 100.00	\$ 12,500.00	\$ 100.00	\$ 12,500.00	\$ 100.00	\$ 12,500.00	\$ 200.00	\$ 25,000.00
17	CUT & CAP EXST'G 4" W.M.	10.0	EA	\$500.00	\$ 5,000.00	\$ 100.00	\$ 1,000.00	\$ 250.00	\$ 2,500.00	\$ 292.60	\$ 2,926.00	\$ 600.00	\$ 6,000.00	\$ 100.00	\$ 1,000.00
18	CUT & CAP EXST'G 6" W.M.	1.0	EA	\$500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 300.00	\$ 300.00	\$ 314.31	\$ 314.31	\$ 602.90	\$ 602.90	\$ 120.00	\$ 120.00
19	CUT & CAP EXST'G 8" W.M.	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20	F & 18" PVC C-900 WATER MAIN	3961.6	LFT	\$60.00	\$ 237,696.00	\$ 35.00	\$ 138,656.00	\$ 44.00	\$ 174,310.40	\$ 46.39	\$ 183,778.62	\$ 76.00	\$ 301,081.60	\$ 64.00	\$ 253,542.40
21	F & 14" D.I. CL 52 POLYWRAPPED WATER MAIN	0.0	LFT	\$100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	F & 16" D.I. CL 52 POLYWRAPPED WATER MAIN	5.0	LFT	\$50.00	\$ 250.00	\$ 50.00	\$ 250.00	\$ 60.00	\$ 300.00	\$ 64.00	\$ 320.00	\$ 90.00	\$ 450.00	\$ 52.00	\$ 260.00
23	F & 18" D.I. CL 52 POLYWRAPPED WATER MAIN	656.9	LFT	\$70.00	\$ 45,983.00	\$ 50.00	\$ 32,845.00	\$ 52.00	\$ 34,158.80	\$ 58.39	\$ 38,356.39	\$ 85.00	\$ 55,836.50	\$ 74.50	\$ 48,939.05
24	F & 18" D.I. CL52 POLYWRAPPED W.M. IN 20" DIA STEEL CASING JACKED & BORED	0.0	LFT	\$300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	F & 110" D.I. CL 52 POLYWRAPPED WATER MAIN	0.0	LFT	\$100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	F & 112" D.I. CL 52 POLYWRAPPED WATER MAIN	5.0	LFT	\$100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 141.04	\$ 705.20	\$ 80.00	\$ 400.00	\$ 100.00	\$ 500.00
27	F & 14" GATE VALVE & BOX	0.0	EA	\$1,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	F & 16" GATE VALVE & BOX	0.0	EA	\$1,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	F & 18" GATE VALVE & BOX	10.0	EA	\$1,500.00	\$ 15,000.00	\$ 1,200.00	\$ 12,000.00	\$ 1,100.00	\$ 11,000.00	\$ 1,209.26	\$ 12,092.60	\$ 1,050.00	\$ 10,500.00	\$ 1,500.00	\$ 15,000.00
30	F & 110" GATE VALVE & BOX	0.0	EA	\$1,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	F & 112" GATE VALVE & BOX	0.0	EA	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32	F & I CLOSE SETTING HYD BRANCH, COMPLETE	7.0	EA	\$3,000.00	\$ 21,000.00	\$ 3,000.00	\$ 21,000.00	\$ 2,600.00	\$ 18,200.00	\$ 3,322.13	\$ 23,254.91	\$ 3,600.00	\$ 25,200.00	\$ 3,500.00	\$ 24,500.00
33	F & I STANDARD SETTING HYD BRANCH, COMPLETE	5.0	EA	\$3,000.00	\$ 15,000.00	\$ 3,000.00	\$ 15,000.00	\$ 2,600.00	\$ 13,000.00	\$ 3,322.13	\$ 16,610.65	\$ 3,000.00	\$ 15,000.00	\$ 3,550.00	\$ 17,750.00
34	F & 18"x8"x4" D.I. TEE	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35	F & 18"x8"x6" D.I. TEE	10.0	EA	\$500.00	\$ 5,000.00	\$ 450.00	\$ 4,500.00	\$ 450.00	\$ 4,500.00	\$ 469.82	\$ 4,698.20	\$ 365.00	\$ 3,650.00	\$ 350.00	\$ 3,500.00
36	F & 18"x8"x8" D.I. TEE	3.0	EA	\$500.00	\$ 1,500.00	\$ 500.00	\$ 1,500.00	\$ 500.00	\$ 1,500.00	\$ 517.22	\$ 1,551.66	\$ 400.00	\$ 1,200.00	\$ 400.00	\$ 1,200.00
37	F & 110"x10"x8" D.I. TEE	0.0	EA	\$600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	F & 112"x12"x8" D.I. TEE	2.0	EA	\$700.00	\$ 1,400.00	\$ 1,000.00	\$ 2,000.00	\$ 825.00	\$ 1,650.00	\$ 710.37	\$ 1,420.74	\$ 500.00	\$ 1,000.00	\$ 600.00	\$ 1,200.00
39	F & 16"x 6"x 6" STAINLESS STEEL TAPPING SLEEVE, VALVE & THRUST BLOCK	1.0	EA	\$4,000.00	\$ 4,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,800.00	\$ 3,800.00	\$ 3,843.38	\$ 3,843.38	\$ 1,500.00	\$ 1,500.00	\$ 2,800.00	\$ 2,800.00
40	F & 18"x 8"x 8" STAINLESS STEEL TAPPING SLEEVE, VALVE & THRUST BLOCK	1.0	EA	\$5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 4,200.00	\$ 4,200.00	\$ 4,281.83	\$ 4,281.83	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00
41	F & 120"x 20"x 8" STAINLESS STEEL TAPPING SLEEVE, VALVE & THRUST BLOCK	1.0	EA	\$10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,800.00	\$ 5,800.00	\$ 5,271.30	\$ 5,271.30	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00
42	F & 18"x8"x6"x6" D.I. CROSS	0.0	EA	\$750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43	F & 18"x8"x8"x8" D.I. CROSS	0.0	EA	\$750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44	F & 18"x8"x10"x10" D.I. CROSS	0.0	EA	\$750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45	F & 18"x8"x12"x12" D.I. CROSS	0.0	EA	\$750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46	F & 14" 45° D.I. BEND AND THRUST BLOCK	0.0	EA	\$350.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47	F & 18" 90° D.I. BEND AND THRUST BLOCK	4.0	EA	\$350.00	\$ 1,400.00	\$ 300.00	\$ 1,200.00	\$ 380.00	\$ 1,520.00	\$ 391.61	\$ 1,566.44	\$ 500.00	\$ 2,000.00	\$ 300.00	\$ 1,200.00
48	F & 18" 45° D.I. BEND AND THRUST BLOCK	21.0	EA	\$350.00	\$ 7,350.00	\$ 300.00	\$ 6,300.00	\$ 380.00	\$ 7,980.00	\$ 364.35	\$ 7,651.35	\$ 800.00	\$ 16,800.00	\$ 500.00	\$ 10,500.00
49	F & 18" 22 1/2° D.I. BEND AND THRUST BLOCK	6.0	EA	\$350.00	\$ 2,100.00	\$ 400.00	\$ 2,400.00	\$ 380.00	\$ 2,280.00	\$ 364.35	\$ 2,186.10	\$ 800.00	\$ 4,800.00	\$ 335.00	\$ 2,010.00
50	F & 18" 11 1/4° D.I. BEND AND THRUST BLOCK	0.0	EA	\$350.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51	F & 16" D.I. SOLID SLEEVE	1.0	EA	\$350.00	\$ 350.00	\$ 2,500.00	\$ 2,500.00	\$ 380.00	\$ 380.00	\$ 309.84	\$ 309.84	\$ 450.00	\$ 450.00	\$ 300.00	\$ 300.00
52	F & 18" D.I. SOLID SLEEVE	1.0	EA	\$400.00	\$ 400.00	\$ 2,500.00	\$ 2,500.00	\$ 380.00	\$ 380.00	\$ 392.79	\$ 392.79	\$ 480.00	\$ 480.00	\$ 500.00	\$ 500.00
53	F & 110" D.I. SOLID SLEEVE	0.0	EA	\$400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54	F & 112" D.I. SOLID SLEEVE	1.0	EA	\$400.00	\$ 400.00	\$ 3,500.00	\$ 3,500.00	\$ 750.00	\$ 750.00	\$ 562.25	\$ 562.25	\$ 560.00	\$ 560.00	\$ 800.00	\$ 800.00
55	F & 18" to 4" D.I. REDUCER	0.0	EA	\$400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56	F & 18" to 6" D.I. REDUCER	5.0	EA	\$400.00	\$ 2,000.00	\$ 300.00	\$ 1,500.00	\$ 400.00	\$ 2,000.00	\$ 331.17	\$ 1,655.85	\$ 420.00	\$ 2,100.00	\$ 300.00	\$ 1,500.00
57	F & 110" to 8" D.I. REDUCER	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58	F & 112" to 8" D.I. REDUCER	1.0	EA	\$500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 480.00	\$ 480.00	\$ 425.97	\$ 425.97	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00
59	F & 18" A.C. TO D.I. ADAPTOR	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60	F&I 12" STEEL TO DUCTILE IRON (HYMAX) COUPLING	2.0	EA	\$500.00	\$ 1,000.00	\$ 3,000.00	\$ 6,000.00	\$ 700.00	\$ 1,400.00	\$ 382.13	\$ 764.26	\$ 1,500.00	\$ 3,000.00	\$ 800.00	\$ 1,600.00
61	F & 18" DIA. D.I. CAP	0.0	EA	\$500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62	RECONNECT WATER SERVICE SHORT SIDE, COMPLETE	46.0	EA	\$600.00	\$ 27,600.00	\$ 500.00	\$ 23,000.00	\$ 700.00	\$ 32,200.00	\$ 671.25	\$ 30,877.50	\$ 400.00	\$ 18,400.00	\$ 1,100.00	\$ 50,600.00
63	RECONNECT WATER SERVICE LONG SIDE, COMPLETE	13.0	EA	\$800.00	\$ 10,400.00	\$ 650.00	\$ 8,450.00	\$ 700.00	\$ 9,100.00	\$ 671.26	\$ 8,726.38	\$ 520.00	\$ 6,760.00	\$ 1,100.00	\$ 14,300.00
64	RECONNECT (BORE) WATER SERVICE, LONG SIDE, COMPLETE	0.0	EA	\$800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65	REPLACE WATER SERVICE SHORT SIDE, COMPLETE	24.0	EA	\$800.00	\$ 19,200.00	\$ 1,100.00	\$ 26,400.00	\$ 900.00							

2009 DRINKING WATER REVOLVING FUND (DWRF) – WATER MAIN REPLACEMENT PROGRAM PROJECT NO. 7227-01 GROUP C

3				ENGINEERS ESTIMATE		C & D HUGHES, INC.		SALENBIEN TRUCKING AND EXCAVATING, INC.		ZINK/COVELL EXCAVATING, INC.		GLEASON CONSTRUCTION CO., INC.		E.R. ZEILER EXCAVATING, INC.	
	DESCRIPTION	NO. OF UNITS	UNITS	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
68	F & 12" TEMPORARY BLOW-OFF	3.0	EA	\$600.00	\$ 1,800.00	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00	\$ 331.44	\$ 994.32	\$ 1,050.00	\$ 3,150.00	\$ 500.00	\$ 1,500.00
69	F & 11" CHLORINATION TAP	4.0	EA	\$600.00	\$ 2,400.00	\$ 200.00	\$ 800.00	\$ 200.00	\$ 800.00	\$ 180.25	\$ 721.00	\$ 1,100.00	\$ 4,400.00	\$ 500.00	\$ 2,000.00
70	F & 14" CONCRETE SIDEWALK	3073.2	SFT	\$4.00	\$ 12,292.80	\$ 2.50	\$ 7,683.00	\$ 4.00	\$ 12,292.80	\$ 3.23	\$ 9,926.44	\$ 2.50	\$ 7,683.00	\$ 6.00	\$ 18,439.20
71	F & 14" ADA CONCRETE SIDEWALK	590.0	SFT	\$10.00	\$ 5,900.00	\$ 8.00	\$ 4,720.00	\$ 6.00	\$ 3,540.00	\$ 8.60	\$ 5,074.00	\$ 7.00	\$ 4,130.00	\$ 7.00	\$ 4,130.00
72	F & 16" CONC. PAVEMENT	620.3	SYD	\$32.00	\$ 19,849.60	\$ 30.00	\$ 18,609.00	\$ 32.00	\$ 19,849.60	\$ 36.15	\$ 22,423.85	\$ 20.00	\$ 12,406.00	\$ 47.00	\$ 29,154.10
73	F & 18" CONC. PAVEMENT	0.0	SYD	\$42.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74	F & 16" CONC. PAVT w/ INTEGRAL CURB & GUTTER	133.4	SYD	\$35.00	\$ 4,669.00	\$ 40.00	\$ 5,336.00	\$ 60.00	\$ 8,004.00	\$ 38.70	\$ 5,162.58	\$ 30.00	\$ 4,002.00	\$ 65.00	\$ 8,671.00
75	F & 1 SPOT CURB	286.2	LFT	\$35.00	\$ 10,017.00	\$ 25.00	\$ 7,155.00	\$ 25.00	\$ 7,155.00	\$ 15.92	\$ 4,556.30	\$ 15.00	\$ 4,293.00	\$ 28.50	\$ 8,156.70
76	F & 136A BIT. HAND PATCH	80.2	TON	\$200.00	\$ 16,040.00	\$ 95.00	\$ 7,619.00	\$ 200.00	\$ 16,040.00	\$ 150.00	\$ 12,030.00	\$ 210.00	\$ 16,842.00	\$ 250.00	\$ 20,050.00
77	F & 136A BIT PAVEMENT	0.0	TON	\$80.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78	F & 1 CONTROL DENSITY BACKFILL	471.9	CYD	\$80.00	\$ 37,752.00	\$ 90.00	\$ 42,471.00	\$ 65.00	\$ 30,673.50	\$ 60.56	\$ 28,578.26	\$ 60.00	\$ 28,314.00	\$ 100.00	\$ 47,190.00
79	F & 16" 21-A MDOT STONE (DRIVEWAYS)	57.0	SYD	\$12.00	\$ 684.00	\$ 50.00	\$ 2,850.00	\$ 30.00	\$ 1,710.00	\$ 10.00	\$ 570.00	\$ 35.00	\$ 1,995.00	\$ 15.00	\$ 855.00
80	F & 1 BOLLARD	2.0	EACH	\$250.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,200.00	\$ 2,400.00	\$ 346.00	\$ 692.00	\$ 1,500.00	\$ 3,000.00	\$ 500.00	\$ 1,000.00
81	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. A	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. B	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. C	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. E	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. F	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. G	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. H	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. I	1.0	LS	\$1,500.00	\$ 1,500.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 3,465.00	\$ 3,465.00	\$ 4,000.00	\$ 4,000.00	\$ 100.00	\$ 100.00
90	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. J	1.0	LS	\$1,500.00	\$ 1,500.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 3,465.00	\$ 3,465.00	\$ 4,000.00	\$ 4,000.00	\$ 100.00	\$ 100.00
91	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. K	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 4,042.50	\$ 4,042.50	\$ 4,000.00	\$ 4,000.00	\$ 100.00	\$ 100.00
92	MAINTAIN WATER MAIN/SERVICE TRENCH - DIV. L	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 5,775.00	\$ 5,775.00	\$ 4,000.00	\$ 4,000.00	\$ 100.00	\$ 100.00
93	TRAFFIC CONTROL - DIV. A	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94	SITE RESTORATION - DIV. A	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95	TRAFFIC CONTROL - DIV. B	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96	SITE RESTORATION - DIV. B	0.0	LS	\$1,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97	TRAFFIC CONTROL - DIV. C	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98	SITE RESTORATION - DIV. C	0.0	LS	\$3,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99	TRAFFIC CONTROL - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100	SITE RESTORATION - DIV. D	0.0	LS	\$4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101	TRAFFIC CONTROL - DIV. E	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102	SITE RESTORATION - DIV. E	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103	TRAFFIC CONTROL - DIV. F	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104	SITE RESTORATION - DIV. F	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105	TRAFFIC CONTROL - DIV. G	0.0	LS	\$1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106	SITE RESTORATION - DIV. G	0.0	LS	\$3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107	TRAFFIC CONTROL - DIV. H	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108	SITE RESTORATION - DIV. H	0.0	LS	\$2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109	TRAFFIC CONTROL - DIV. I	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 6,800.00	\$ 6,800.00	\$ 5,082.00	\$ 5,082.00	\$ 4,800.00	\$ 4,800.00	\$ 100.00	\$ 100.00
110	SITE RESTORATION - DIV. I	1.0	LS	\$2,500.00	\$ 2,500.00	\$ 1.00	\$ 1.00	\$ 6,800.00	\$ 6,800.00	\$ 5,082.00	\$ 5,082.00	\$ 3,000.00	\$ 3,000.00	\$ 100.00	\$ 100.00
111	TRAFFIC CONTROL - DIV. J	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,500.00	\$ 5,500.00	\$ 5,082.00	\$ 5,082.00	\$ 4,800.00	\$ 4,800.00	\$ 100.00	\$ 100.00
112	SITE RESTORATION - DIV. J	1.0	LS	\$2,500.00	\$ 2,500.00	\$ 1.00	\$ 1.00	\$ 5,500.00	\$ 5,500.00	\$ 5,082.00	\$ 5,082.00	\$ 3,000.00	\$ 3,000.00	\$ 100.00	\$ 100.00
113	TRAFFIC CONTROL - DIV. K	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 4,000.00	\$ 4,000.00	\$ 5,544.00	\$ 5,544.00	\$ 4,800.00	\$ 4,800.00	\$ 100.00	\$ 100.00
114	SITE RESTORATION - DIV. K	1.0	LS	\$1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 4,000.00	\$ 4,000.00	\$ 5,775.00	\$ 5,775.00	\$ 3,000.00	\$ 3,000.00	\$ 100.00	\$ 100.00
115	TRAFFIC CONTROL - DIV. L	1.0	LS	\$4,000.00	\$ 4,000.00	\$ 1.00	\$ 1.00	\$ 8,000.00	\$ 8,000.00	\$ 7,464.00	\$ 7,464.00	\$ 4,800.00	\$ 4,800.00	\$ 100.00	\$ 100.00
116	SITE RESTORATION - DIV. L	1.0	LS	\$2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,500.00	\$ 5,500.00	\$ 6,930.00	\$ 6,930.00	\$ 3,000.00	\$ 3,000.00	\$ 100.00	\$ 100.00
					\$ 692,621.00		\$ 518,862.80		\$ 591,493.30		\$ 619,665.00		\$ 732,074.00		\$ 742,455.85



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: LEAF BAG PURCHASE – REPORT ON BIDS RECEIVED

DISCUSSION: The Department of Public Services has solicited bids for the purchase of biodegradable paper compost bags for distribution to City residents for fall leaf collection. In previous years, we have informally solicited quotations from bidders with which we had previous experience; however this year bids were formally let through the Finance Department.

Only one bid was received, from the Dano Corporation of Stamford, Connecticut, last year's low bidder. They bid \$0.311 per bag with no imprinting, and \$0.314 per bag with the City of Monroe imprint, which we generally prefer. For a total bid of 72,000 bags, the overall costs are \$22,392.00 for bags with no imprint, and \$22,608.00 for imprinted bags. With the imprinting, this is actually \$72 cheaper than last year's pricing. Bid information is attached with this fact sheet for your review.

IT IS RECOMMENDED that the award for 72,000 bags be awarded to the DANO Corporation, and that the Director of Engineering and Public Services be authorized to execute a purchase order in the amount of \$22,608.00.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: As soon as possible

REASON FOR DEADLINE: Citizens typically request large quantities of bags beginning in September.

STAFF RECOMMENDATION: X For Against

REASON AGAINST: N/A

INITIATED BY: Department of Engineering and Public Services

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: Public Service activities in general, impacts on street sweeping and refuse collection, benefit accrues to all City property owners and residents

FINANCES

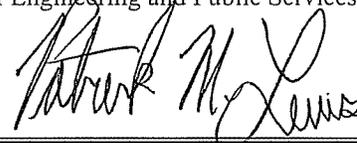
COST AND REVENUE PROJECTIONS:	Cost of Total Project	\$ 22,608.00
	Cost of This Project Approval	\$ N/A
	Related Annual Operating Cost	\$ N/A
	Increased Revenue Expected/Year	\$ N/A

SOURCE OF FUNDS:	City	Account Number	Amount
	Refuse Fund	226-60.529-750.000	\$ 22,608.00
	<u>Other Funds</u>		

Budget Approval: _____

FACT SHEET PREPARED BY: Patrick M. Lewis, P.E., Director of Engineering and Public Services **DATE:** 07/22/09

REVIEWED BY:



DATE:

COUNCIL MEETING DATE: August 3, 2009



CITY OF MONROE

Department of Finance

M E M O R A N D U M

DATE: July 20, 2009

TO: Patrick Lewis, Director of Engineering and DPS

FROM: Dan Malotky, Accountant

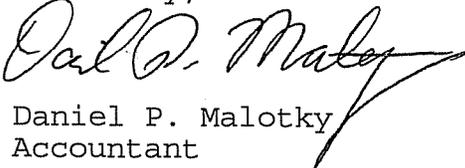
RE: Bids for LEAF BAGS

Patrick,

One response was opened yesterday for the Leaf Bags for the Department of Public Services. The apparent low bid is from Dano Enterprises Inc. at \$.311/bag and \$.314/bag (alternate bid). A bid tabulation sheet is attached.

Review all the bids for compliance with your specifications. Make your written recommendation to the City Manager using the shared file "Council Agenda Items". Thank you.

Sincerely,


Daniel P. Malotky
Accountant

cc: Bill Walters

BIDS RECEIVED FOR LEAF BAGS FOR THE DEPARTMENT OF PUBLIC SERVICES. BID REQUESTS MAILED 7/07/09. BIDS DUE MONDAY, JULY 20, 2009.

	<u>BID AMOUNT</u>
DANO ENTERPRISES 76 PROGRESS DR STAMFORD CT 06902 ATTN: JOEL EPHRAIM	\$0.311/BAG \$0.314/BAG (ALTERNATE) (BID BOND FORTHCOMING)
ACE-ST PIERRE 1490 STEWART RD MONROE MI 48162	NO BID
AMPAC PACKAGING LLC 12025 TRICON RD CINCINNATI OH 45246 ATTN: MICK LANDIS	NO BID
BEAR PACKAGING & SUPPLY INC 4265 CORPORATE DR MT PLEASANT MI 48858	NO BID
DURO BAG 7600 EMPIRE DR FLORENCE KY 41042	NO BID
ACO 23333 COMMERCE DR FARMINGTON HILLS MI 48333 ATTN: RICH HUNZICKER	NO BID

PROPOSAL FORM

July 17, 2009
(date)

LEAF BAG PURCHASES

Bids due no later than 3:00 PM (local time) on Monday, July 20, 2009, in the City Clerk's office.

Honorable Mayor and City Council
120 E First St
Monroe MI 48161-2169

Dear Mayor and Council Members,

We, the undersigned, propose to furnish leaf bags in accordance with your specifications dated July 6, 2009, at the following price:

Lump Sum Bid Amount:

A Bid Bond, cashier's check, official check, certified check or money order in the amount equal to five percent (5%) of the total bid amount is enclosed herewith.

We will complete delivery (full shipment) of the leaf bags no later than September 18, 2009.

The City reserves the right to reject any or all bids, to waive any informalities and to make award in the best interest of the City. Bids sent through facsimile machines or e-mail are not acceptable.

The contractor agrees to indemnify and hold harmless the City of Monroe, Michigan from any possible liability.

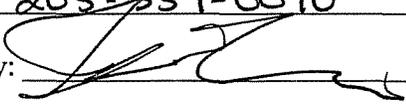
Respectfully submitted,

Name of Bidder: DANO ENTERPRISES, INC

Address: 76 PROGRESS DRIVE

STAMFORD, CT 06902

Phone: 203-357-0070

Signed By: 

Title: JOEL EPHRAIM, VICE PRESIDENT

(Bidder may retain one copy of this form for his/her files.)



BID FOR BROWN LEAF BAG PURCHASES
MONDAY, JULY 20, 2009 - 3 PM

TO: City of Monroe
Charles D. Evans - City Clerk
120 East First Street
Monroe, Michigan 48161-2169

Bid Date: Monday, July 20, 2009 - 3:00 PM

Specifications:

Type: PSOS Paper Self-opening style
(Paper Leaf Sacks shall be 2-ply of Brown Kraft Paper)

Size: 30 Gallon (16"x12"x35") 30-gallon capacity

Construction: 2 ply, 50 lb Natural Kraft Wet Strength Paper

Packaging: 5 Bags per double-strapped package shipped on pallets

Quantity: 72,000 bags

Price: \$.311 per bag delivered pricing

Bid Alternate: With Imprint of CITY OF MONROE on one line and 2009 on the next line in red blue or black lettering minimum 2" in height

Bid Alternate Price: \$.314 per bag delivered pricing

Company: Dano Enterprises, Inc

76 Progress Drive, Stamford, CT 06902

Contact: Joel Ephraim (joelephraim@danoinc.com)

Phone: 203-357-0070 **Fax:** 203-357-0484

Malotky, Daniel

From: Lewis, Patrick
Sent: Monday, July 06, 2009 05:55 PM
To: Malotky, Daniel
Cc: Walters, William; Wilson, Deborah
Subject: Leaf Bag Bids

Hi Dan,

As per our discussion this morning, the Public Services Department would like to work through your office for soliciting bids for our annual leaf bags for distribution to our residents. Here is the bid information:

Bids due: Monday, July 20, 2009 at 3:00 P.M. in the Clerk-Treasurer's office.

Specifications:

1. Type: PSOS Paper, self-opening style
2. Size: 16" x 12" x 35", 30-gallon capacity
3. Construction: 2-ply, 50 pound Natural Kraft Wet Strength Paper
4. Packaging: 5 bags per double-strapped package, shipped on pallets
5. Delivery: Must be delivered to Public Services, no later than September 18, 2009 (full shipment)

Bidders should bid per bag for a total of 72,000 bags. (set up your line item however you would like)

Bid alternate: Imprint "CITY OF MONROE" on one line with "2009" below in, either red, blue, or black lettering, minimum 2" letter height. Bid alternate should also be for printing, per bag, 72,000 bags.

I have copied this to Bill and Deb, hopefully one of them will correct any problems they see with this, but please let me know when this is ready to go. Deb, can you also provide Dan with the names and addresses of previous bidders we may have on file? Thanks!

Patrick M. Lewis, P.E.
Director of Engineering and Public Services City of Monroe 120 East First Street Monroe,
MI 48161 patrick.lewis@monroemi.gov
(734) 384-9124 phone
(734) 384-9108 fax



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: ALMYRA AVENUE SANITARY SEWER REPLACEMENT – WOOD TO THIRD – REPORT ON BIDS
RECEIVED

DISCUSSION: The City of Monroe is a recipient of federal funds in the form of the Community Development Block Grant (CDBG). In addition to its usual CDBG award, the City of Monroe is receiving additional funds as part of the American Recovery and Reinvestment Act (ARRA) which the U.S. Department of Housing and Urban Development (HUD) is referring to as CDBG-R. The City of Monroe's CDBG-R award will be \$140,000. The stated goals for these funds include incentives for economic development, improving and modernizing infrastructure and creating jobs – including temporary and construction jobs. In addition to these program goals, it is HUD's wish that these funds be spent as quickly as possible so communities may get the assistance they need quickly.

Considering the goals of the program, it is believed the best use of the city's CDBG-R allocation is to replace the sanitary sewer on Almyra Avenue from East Third Street to Wood Avenue, and this decision was affirmed by the City Council on June 1, 2009. This stretch of sanitary sewer has been identified as being in need of replacement. The section between East Fifth Street and Wood (built in 1927) is a source of infiltration as is the section between East Third and East Fifth streets (built in 1924). This project will meet a key infrastructure need of the City of Monroe as well as the goals HUD has established for CDBG-R funds. It will update and improve city infrastructure by replacing the sanitary main pipe, reconnecting existing house leads to the new main and replacing all manholes. In keeping with the required timelines, the design work was completed in less than three (3) weeks from project conception by the Engineering Department staff. This project is expected to generate ten (10) temporary construction jobs and the improvement of substandard infrastructure removes a possible barrier to investment and development in this neighborhood.

The Engineering Department opened the bids for the above project on Monday, July 20, 2009. There were four (4) bidders, and a bid tabulation is attached for your review. The low bid received from C & D Hughes, Inc. of \$93,153.90 was an astounding 42.5% below the Engineer's Estimate of \$162,103.10. C & D Hughes is currently employed by the City of Monroe performing water main replacement work, and they have been performing satisfactorily. They meet our Labor Harmony requirements and the Federal provisions required as a part of this contract. It should be noted that we are also recommending awarding a large portion of the 2009 water main replacement program as well on the August 3 City Council agenda, and they are a firm of sufficient size and scope to be able to undertake multiple projects at one time.

Originally, it was assumed that \$140,000 in CDBG-R funds would be applied to this project, with the balance paid for by the Wastewater Fund. As it now appears that in fact there will be actually be surplus CDBG-R funds available due to extremely good bids, we will now need to consider additional projects to spend the balance of these funds. Fortunately, program guidelines are more rigid with spending the first 50% of funds in a timely fashion, but allow some flexibility to the point where a project to spend the remaining 50% could even be likely undertaken in early 2010. The Engineering and Planning Department staffs will present some additional projects at a later date.

IT IS RECOMMENDED that the City Council award the above contract to C & D Hughes, Inc. in the amount of \$93,153.90, conditioned upon final clearance of the project from HUD, and that a total of \$107,000 be encumbered to include a 15% project contingency. **IT IS FURTHER RECOMMENDED** that the Mayor and Clerk-Treasurer be authorized to sign the contracts on behalf of the City of Monroe.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: August 3, 2009

REASON FOR DEADLINE: CDBG-R program guidelines strongly encourage projects to be undertaken immediately

STAFF RECOMMENDATION: X For Against

REASON AGAINST: N/A

INITIATED BY: Department of Engineering and Public Services

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: Engineering Department, Wastewater Department, Planning Department, City Council, adjacent residents and property owners

FINANCES

COST AND REVENUE PROJECTIONS:	Cost of Total Project	\$107,000*
	Cost of This Project Approval	\$107,000*
	Related Annual Operating Cost	\$ N/A
	Increased Revenue Expected/Year	\$ N/A

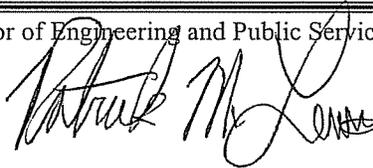
*Includes 15% project contingency

SOURCE OF FUNDS:	Account Number	Amount
City		
Other Funds	Community Development Block Grant	\$107,000

Budget Approval: _____

FACT SHEET PREPARED BY: Patrick M. Lewis, P.E., Director of Engineering and Public Services **DATE:** July 22, 2009

REVIEWED BY:



DATE:

COUNCIL MEETING DATE: August 3, 2009



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: Bids for demolition of 810 East Noble Avenue

DISCUSSION: Bids were opened on Friday, April 17, 2009, for the demolition of a property located at 810 East Noble Avenue, Monroe. Bids were received from Erie Demolition & Salvage Inc (\$7,200.00) and David C Hoffman Inc (\$7,950.00).

It is recommended that City Council award Erie Demolition & Salvage Inc the project at the total cost of \$7,200.00. It is further recommended that the Mayor and Clerk Treasure be authorized to sign the contracts on the behalf of the City of Monroe.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: Monday, August 3, 2009

REASON FOR DEADLINE: Council meeting on that date.

STAFF RECOMMENDATION: (X) For () Against Award to Erie Demolition & Salvage Inc for \$7,200.00

REASON AGAINST: N/A

INITIATED BY: Building Department

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: City Council

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$ 7,200.00
Cost of This Project Approval	\$ 7,200.00
Related Annual Operating Cost	\$ N/A
Increased Revenue Expected/Year	\$ N/A

SOURCE OF FUNDS:

City

Account Number

Amount

Demolition Service

10165805 818030

\$ 7,200.00

\$ N/A

\$ N/A

\$ N/A

Other Funds

\$ N/A

\$ N/A

\$ N/A

\$ N/A

Budget Approval: _____

FACT SHEET PREPARED BY: Joseph A. Lehmann, Building Official

DATE: 07/22/09

REVIEWED BY:

DATE:

COUNCIL MEETING DATE:



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: REQUEST FROM THE MONROE COUNTY CONVENTION & TOURISM BUREAU FOR PERMISSION TO DISPLAY A BANNER ANNOUNCING THE 3RD ANNUAL RIVER RAISIN LABOR DAY FESTIVAL ON SEPTEMBER 5, 2009

DISCUSSION: The City received a request from the Monroe County Convention & Tourism Bureau for permission to display a banner across East Front Street from August 24 – September 6, 2009, announcing the River Raisin Labor Day BBQ Festival on September 5, 2009.

The request was sent to the various departments for their review. The Engineering Department has indicated that the date and location is available and has no objections. After Council approval, advance notification will be sent to MDOT.

Manager: The City Manager recommends approval of this request.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE:

REASON FOR DEADLINE:

STAFF RECOMMENDATION: For Against

REASON AGAINST:

INITIATED BY:

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED:

FINANCES			
<u>COST AND REVENUE PROJECTIONS:</u>			
	Cost of Total Project		\$
	Cost of This Project Approval		\$
	Related Annual Operating Cost		\$
	Increased Revenue Expected/Year		\$
<u>SOURCE OF FUNDS:</u>	<u>City</u>	<u>Account Number</u>	<u>Amount</u>
			\$
			\$
			\$
			\$
			\$
	<u>Other Funds</u>		\$
			\$
			\$
			\$
Budget Approval: _____			

FACT SHEET PREPARED BY: City Manager's Office **DATE:** 7/22/09

REVIEWED BY: **DATE:**

COUNCIL MEETING DATE: 8/03/09



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: REPORT BACK ON QUOTES RECEIVED FOR PROFESSIONAL SERVICES TO INSPECT THE WASTEWATER TREATMENT PLANT OUTFALL LINE

DISCUSSION: The Wastewater Department received three (3) quotes for professional services from qualified companies to inspect the Wastewater Treatment Plant (WWTP) 72 inch diameter outfall line (approximately 7000 LFT long). As part of the Wastewater System - Phase II Plant Improvements project the WWTP treatment capacity is being evaluated through stress testing. Each component of the WWTP process is being stress tested and verified for its capacity along with inspecting its condition such that the outfall line condition needs to be inspected to verify its capacity. The outfall line was installed in the mid 1980s and has not been inspected since that time.

The outfall line is used for multiple uses including transport of final effluent from the WWTP to Lake Erie and for chlorine contact time to disinfect final effluent during high flows (>32MGD). After sewage has been treated at the WWTP it is routed through the 72 inch outfall line along East Front Street to an outfall structure and then into Lake Erie as part of the final stage of the treatment process.

This type of inspection service is considered a professional service due to the inspection being a specialty service. Only a few available companies can perform this type of work since the outfall line must remain in service during the inspection. Similar services have been performed on our water system's raw water intake lines with great success. The general scope of work includes video and sonar inspection / recording of the interior of the pipe condition, location of all inside features including, but not limited to: offset & open joints, large debris, spall areas, bi-sulfite disinfection HDPE line, elbows, manhole risers, and structural features.

Attached are three quotes received to perform the inspection service such that the lowest qualified quote is from the Hibbard Inshore, LLC. The quote schedule includes completing all inspection services in two days in an effort to complete all milestones outlined by the MDEQ SRF so as to qualify for funding assistance and qualify for a lower loan interest rate (<2.5%) as part of the Wastewater System - Phase II Plant Improvements project.

Hibbard Inshore, LLC has not worked for the City of Monroe previously, however the company has a vast amount of experience in inspection services of the following industries: water / sewer, mining, irrigation, heavy construction, industrial plants, energy generation, and oil / gas. The company was founded more than 25 years ago and specializes in the inspection and survey of underwater and amphibious structures for municipalities, engineering firms, industrial companies, and research institutions. We have checked with references from past projects and are confident they will perform adequately for the City of Monroe.

Since this professional service is part of the Wastewater System - Phase II Plant Improvements project, all costs associated with the project can be reimbursed from the SRF Loan, however they must first be fronted by the City of Monroe Wastewater Fund. It is recommended to utilize project funds to complete the professional inspection services quote submitted by Hibbard Inshore, LLC for the inspection of the outfall line to complete the necessary stress testing of the overall project. All costs can be incorporated into a future SRF Loan to take advantage of a low interest rate.

IT IS RECOMMENDED that a purchase order in the amount of \$13,004.00 for professional services to inspect the WWTP 72 inch diameter outfall line (approximately 7000 LFT long) be awarded to Hibbard Inshore, LLC according to their quote dated June 16, 2009.

CITY MANAGER RECOMMENDATION:

- For *[Signature]*
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

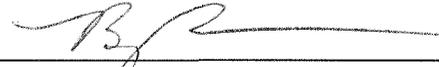
APPROVAL DEADLINE: ASAP

REASON FOR DEADLINE: Complete the inspection of the outfall line to verify its capacity as part of the necessary stress testing of the overall Wastewater System - Phase II Plant Improvements project and to meet the MDEQ SRF milestones to qualify for a lower loan interest rate.

STAFF RECOMMENDATION: For Against

REASON AGAINST: N/A

INITIATED BY:


Barry S. LaRoy, P.E., Director of Water & Wastewater Utilities

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: Wastewater Department, City of Monroe, Frenchtown Township, Monroe Township, Wastewater Customers

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$18,250,000.00
Cost of This Project Approval	\$ 13,004.00
Related Annual Operating Cost	\$ N/A
Increased Revenue Expected/Year	\$ N/A

SOURCE OF FUNDS:

<u>City</u>	<u>Account Number</u>	<u>Amount</u>
General Contract Services	59075527 818020 09Z03	\$ 13,004.00

Other Funds

Budget Approval: 

FACT SHEET PREPARED BY: Barry S. LaRoy, P.E., Director of Water & Wastewater Utilities **DATE:** July 24, 2009

REVIEWED BY:

DATE:

COUNCIL MEETING DATE: August 3, 2009



June 16, 2009

Proposal 509211

To

City of Monroe

For the

ROV inspection of 72" Sewer Outfall

at

Monroe Country Wastewater Treatment Plant

To:
City of Monroe

Attn: Spencer Maniaci
Superintendent of Wastewater, 734.241.5926 Voice
Spencer.maniaci@monroeme.gov

From:
Hibbard Inshore, LLC.
361 Gallogly Road
Lake Angelus, Michigan 48326

Attn: Brad Hibbard
Director, 248.745.8456x10 Voice
brad@hibbardinshore.com

Table of Contents

Executive Summary.....3
Method.....3
 Scope of Inspection.....3
 Inspection Checklist.....3
 Items Required from Customer.....4
 Deliverables.....4
 Inspection Schedule.....4
 ROV Equipment and Personnel Schedule.....5
Pricing.....5
Safety Program.....6
 Safety Plan.....6
Terms.....7
 Insurance.....7
 Copyright.....7
 Payment Terms.....7
 Access.....7
 Performance.....7
 Change Orders.....7
 Proprietary Information.....7
 Proposal Duration.....7
 Schedule.....7
Appendix #1 - Example of Shaft or Tunnel Inspection Method.....8
Appendix #2 – ROV Specification.....10

Executive Summary

Hibbard Inshore proposes the use of a Remotely Operated Vehicle (ROV) to inspect the inside of a 72" wastewater outfall. The outfall is approximately 7,000 feet long with 60" riser pipes for access along the length. There is a pre injection line that is 1" in diameter inside the pipe which terminates at an unknown location. The purpose of the inspection is a general condition survey looking for a partial reduction in cross section that is detrimental during periods of high flow. The ROV would use video (if clarity permits) and sonar to locate features and measure the cross section.

Method

The outfall pipe would be inspected from two access points traveling in two directions from each point. The access points would be MH-9 (58+57) and MH-3 (12+91). The ROV would be capable of 2,000 foot penetrations as measured from the manhole. The ROV would be a free swimming ROV with a color and a monochrome low light level video camera. Two sonar heads would be the primary sensors due to the water clarity. One sonar head would measure cross sections while the other would be forward looking for feature detection. The sonar heads show the location of the ROV within the pipe. A depth, heading, pitch, roll and camera angle, date and time is overlaid onto the video. The ROV would be flown at a penetration speed that allows the sonar to scan several times any feature that the ROV is approaching. For cross sections, the ROV would be stopped and held stationary while the sonar scans. If clarity permits, the ROV can be flown very close to the pipe surfaces to get video of joints or other features. The video would be recorded to DVD with an audio track with pilot comments. The sonar is recorded as snapshots periodically. Written pilot notes would contain notes about features located, sonar plots and vehicle position. These notes use the time the video overlay to correlate the video, sonar and features. See the section Appendix 1 for general inspection method. Typical features that can be identified by sonar are, cross section, debris buildup, manhole access points, ladder on the side of the pipe, joints, large spalled areas, and injection lines.

There are two elbows near each of the ends of the outfall. If the flow or conditions that exist make passage difficult, additional access points would be required at the outfall chamber and MH-2. In this case, a 3rd day onsite may be required.

Scope of Inspection

The sonar inspection would locate features on the inside surfaces of the pipeline such as offset joints, open joints, large debris, large spalls, pre injection lines, elbows, manhole risers, etc. The video could potentially see short distance and verify some features like pipe joints. The location of the small injection line would also be located.

Inspection Checklist

- Sonar Imaging of conduit surfaces
 - Large Spalls
 - Separated or Open Cracks
 - Debris
 - Structural Features
- Sonar Cross sections of tunnel I.D.
 - Sediment buildup
- Video of concrete surfaces, clarity permitting

Items Required from Customer

- Conduit lock out, control flow
- Access to site
 - a. Open access points
 - b. Traffic control if near roadway

Deliverables

The final report would be delivered as one paper copy and an electronic copy on CD or data DVD. The report will contain the conduct of the inspection, inspection notes and annotated sonar plots. One copy of the video would be delivered as DVD's with the final report.

Inspection Schedule

The inspection is estimated to require 2 days onsite.

Day 1 – Onsite Inspection, first access

Day 2 – Onsite Inspection, second access

Day 3 – If required, additional access point

ROV Equipment and Personnel Schedule

ROV, Navajo

- 1000 feet of umbilical
- High Resolution Color Zoom, Auto/manual focus, Camera.
- Ultra Low light level Monochrome Camera.
- Three 30 watt lights on two dimmable circuits, 1 light tilts with camera.
- Video Overlay of heading, depth, date, time, pitch, roll, umbilical payout and user text.
- Dual imaging sonar system
- Scaling Lasers
- Auto Heading, Auto Depth
- Video Processor
- Color Video Monitors
- DVD Video Recorders
- Mini DV Video Cassette Recorders
- Microphone and amplifier for audio annotations

Surface Support

- Generator
- ROV Spares Kit
- Systems Tool Kit
- Umbilical Guides

Safety Equipment

- Personnel Protective Equipment (PPE)
- Fire extinguishers
- First Aid kits
- Lights

Transport

- Light Truck
- Trailer

ROV Crew

- 1 ROV Pilot / Engineer, ADCI certificated ROV Supervisor.
- 1 ROV Copilot / Sonar Operator

Pricing

This pricing is for 8 hour shifts during weekdays.

Mobilization	\$	3,300.00 USD
Operations, 1 Day	\$	4,578.00 USD
<u>Report</u>	\$	<u>548.00 USD</u>
Total (no standby)	\$	8,426.00 USD
 Additional Day(s)	\$	 4,578.00 USD

Safety Program

Hibbard Inshore operations will be conducted under the applicable OSHA regulations. Operations will incorporate the USCG Regulations, USACE EM 385-1-1 and the ADCI Consensus for Commercial Diving and Underwater Operations, as revised. A Job Safety Assessment (JSA) will be conducted.

Safety Plan

A safety meeting would take place upon arrival on site and the beginning of each shift. The meeting would cover topics such as sequence of work, structure lockout, ROV specific safety, site specific safety and general safe work practices.

Operations would be conducted under Section 6, ADCCS, Fifth Addition and Hibbard Inshore LLC. Safety Manual, 2004.

1. A safety meeting would be conducted in which the Job Safety Analysis (JSA) would be performed. All safety concerns would be addressed and corrected before work begins.
2. The plant would be placed into "Lock Out – Tag Out" with the ROV Supervisor and senior plant operator as necessary.
3. Conditions such as high flow, turbulence, hazardous debris, plant emergency, personnel emergency, electrical storm, plant safety violation or other hazards would be cause to suspend operations. Every effort would be made to resume operations in a safe alternate manner.
4. The ROV Supervisor has overall control and authority for operations. All work would be coordinated between the customer Point of Contact (PIC) and the Hibbard Inshore ROV supervisor.
5. At the conclusion of operations, the plant would be removed from the "Lock Out – Tag Out" condition by the ROV Supervisor and Customer PIC.
6. Identified health or safety hazards would be corrected by notifying the customer PIC / ROV Supervisor.

Terms

Insurance

Insurance is maintained for Workmen Compensation, General Liability and Automobiles. Additional insurance provided on a cost plus basis. Certificates furnished upon award.

Copyright

All record material, planning documents, system engineering and software are the proprietary property of Hibbard Inshore, LLC. and all documents are produced under U.S. Copyright laws. Copyright for inspection sonar data, video and reports will transfer to the Customer upon receipt of payment in full.

Payment Terms

Payment terms are net 30 days with unpaid balances accruing 1.5%/monthly. Mobilization fee due upon delivery to site. Field operations and reporting fee due at the completion of the field work. Fees invoiced at completion of field work or every 2 weeks, whichever occurs first.

Access

The customer will provide free and ready access to the necessary facilities at a time mutually beneficial to both parties upon the signature of contract by Hibbard Inshore.

Performance

Hibbard Inshore ROV's are configured for each application to provide the greatest degree of maneuvering and sensor performance. The ROV, sensors and tools are all configured to meet the customer's requirements based on the customer supplied specifications and drawings. Hibbard Inshore is not responsible for the performance of the ROV system(s) in the event that the structures or conditions are not as represented in the specifications and drawings and/or has hazards, obstructions, marine growth, appliances and features that cannot be safely passed by the ROV.

Change Orders

Change Orders would be made in writing and authorized by the contracting officer of record.

Proprietary Information

All information contained in this document by Hibbard Inshore is considered proprietary to Hibbard Inshore and shall not be disclosed without prior written permission from Hibbard Inshore.

Proposal Duration

This proposal is valid for 30 days

Schedule

The schedule is subject to contract acceptance and prior sale. In the event of customer caused delays, weather delays or other factors outside the control of Hibbard Inshore, standby rates apply.

Appendix #1 - Example of Shaft or Tunnel Inspection Method

The following figures show how the inspection method locates small features on sonar at long range ahead of the ROV then maneuvers to them to get an up close and detailed look with the video system. In this example, the ROV is flying down a pressure shaft in a pumped storage plant that is 24 feet in diameter. This is one example of the application of sonar and video inspection method; it applies similarly to other structures including tunnels, face of dam, etc. The left hand pane on the sonar is a vertical view of the shaft wall in front of the ROV. The right hand pane is a plan view of the ROV's position in the shaft. The heading in this case was indicated by the ROV compass. The left pane shows a feature detected on the shaft wall 35 feet below the ROV in plot 015 and again 12 feet below the ROV in plot 016. The Digital Video capture shows the feature once directly in front of the ROV. Each features is only 1 to 2 feet in front of the ROV. Picture 1 is of a horizontal forming line or light spalling in the concrete that the Sonar detected. Picture 2 is from a different angle. These video captures are reduced resolution to fit in the document and don't represent the full clarity of the recorded video. The relief in the spall is only a fraction of an inch, this picture shows how difficult it is to detect these features with video alone, the video works well for close up investigation and the sonar is crucial for feature location and coverage, particularly if the water is turbid.

Video Capture #1 – Horizontal Forming Line or spall

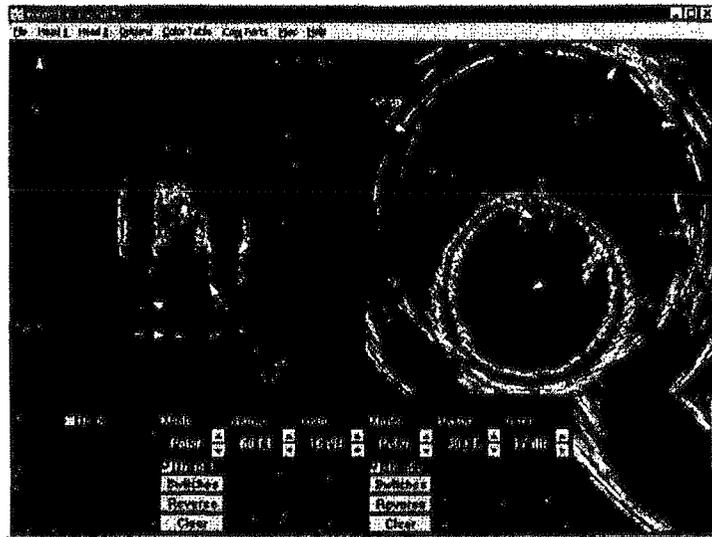
Video Capture #2 – Light spalling





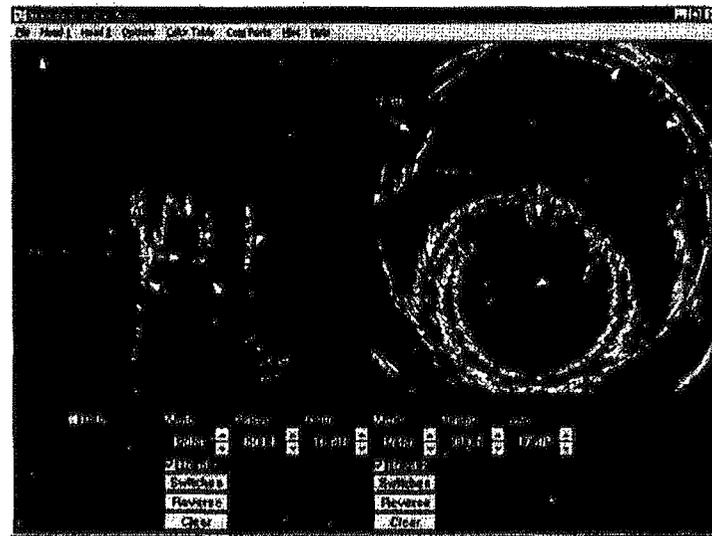
Site: 24ft Diameter Shaft

File Name: Name 015.jpg



Site: 24ft Diameter Shaft

File Name: Name 016.jpg

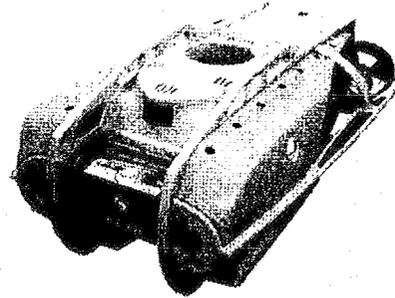


Appendix #2 – ROV Specification

Navajo ROV

Standard Configuration

Color Zoom & Low Light Monochrome Video Cameras
Lights 3 LED lights on two dimmer circuits (1 tilts with cameras)
Laser Scaling System (tilts with cameras)
Depth Rating 1000 ft
Range 1000 ft, 2000 ft, 8000 ft
Auto-Heading and Depth
120 lbs Axial Thrust
5 Knots Forward Speed
Video Overlay – date, time, depth, heading, pitch, roll, camera angle, text
Length 40.4 in
Width 24.7 in – can be reduced to fit through 24" standard manhole
Height 16.2 in
Weight in Air 93 lb
22 lb Payload with greater options
Tools and Manipulator Options



Sensor Packages

Dual imaging sonar system
Ultra Sonic Thickness Testing
Electronic Scanning Identification Sonar
TunnelMap™
Underwater Tracking Systems
Data Acquisition System



Tools

Manipulator
Rotary Cleaning Brush
Retrieval Hooks and Clamps
Rope and Wire cutters



LAKE ERIE DIVING, INC.

Professional Diving & ROV Services

18 July 2009

City of Monroe
2205 E. Front St.
Monroe, MI
48161

Attn: Mr. Spencer Maniaci

Re: WWTP Outfall Inspection

Dear Mr. Maniaci:

Our quote to provide ROV services to inspect approximately 7,000' of 72" diameter outfall pipe is as follows:

- Assemble and shop test all ROV functions prior to mobilizing.
- Provide Seabotix 300XL Remotely Operated Vehicle with operator/technician. The vehicle is equipped with a high resolution color and high resolution low light black and white camera with both having tilt capability of 180 degrees, 2,750' fiber optic umbilical, and five high intensity lights.
- One tender.
- Mobilization and demobilization from Painesville, Ohio
- PerDiem
- Provide requested number of DVD copies of the inspection along with a typed report.

LUMP SUM QUOTE: \$17,020.00

Liability, automobile, and workers compensation certificates will be furnished upon request.

If you have any questions in regards to the above, or require any additional information, please contact me on my cell at (216) 299-1396.

Respectfully submitted,


Patrick M. Murphy
President

Post-It® Fax Note	7671	Date	18 JULY 09	# of pages	3
To	SPENCER MANIACI		From	PAT MURPHY	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #			Fax #		

SEABOTIX COMPACT ROV

LBV300XL² - Overview

The SeaBotix LBV300XL² is the ultimate in long line penetration MiniROV systems. Expand the capability of the LBV150² systems by adding two (2) additional forward thrusters, increased depth rating to 300m (1000ft), extended umbilical length of 750m (2,460ft), more powerful Brushless DC Thrusters, 480 lumen Internal LED lighting, Fiber Optic video/data electronics. The LBV300XL² offers extended reach with added umbilical and thrust.

Power, power and more power

The already powerful high output Brushless DC thrusters offer amazing amounts of thrust in such a small design. Add two (2) more forward thrusters and the LBV300XL² has a tremendous amount of thrust for fighting those tough conditions. There is 1-lateral, 2-forward, and 1-vertical thruster, enabling maneuverability in four axes, just like a helicopter. The additional lateral thruster adds the capability to fly sideways, allowing the operator to keep either camera on target. On-the-fly, 10-step variable power control to each axis allows for smooth video and sensor recording. For added reliability, serviceability, and peace of mind, each thruster is identical and independent of the vehicle enclosure, ensuring no dynamic seals penetrate the vehicle's electronics enclosure.



Full Depth Capability and then some

The LBV300XL² can operate at its full 300 meter (1,000ft) depth with an overly generous 750 meters (2,460ft) of our revolutionary small diameter umbilical. Beyond the depth capability is the obvious long distance penetrations. Managing the long umbilical is simple with the heavy duty reel. The extremely small-diameter of our umbilical presents at least 25% less drag than other systems meaning the vehicle is controlled by the operator, not the umbilical.



Intuitive Controls

Operation of the LBV300XL² is simple with the standard Integrated Control Console featuring the acclaimed LBV Hand Controller. Standard Auto-Heading, Depth, and Trim, as well as all system functions are at your fingertips in a logical, simple layout. Added features include the 38 cm (15") monitor behind a waterproof panel, sunshade for direct light operations and sealed components for harsh environment operations. The programmable Video Overlay displays heading, depth, temperature, thruster gain settings, auto settings, cable turns, and time/date.



High-Quality Video and Sensor Data

The Fiber Optic video and data electronics provide crystal-clear images from the standard high-resolution color and low-light B/W cameras. Both cameras have a total 270° field of view through 180° rotation of the camera enclosure. The internal, fully-adjustable LED Lighting array provides brilliant, white light as it tracks the color camera. Use of Fiber Optic electronics include



More Information

[Overview](#)
[Key Features](#)
[Specifications](#)
[System Contents](#)
[Options](#)

Need a Quote?

Request a quote from near you. If there isn't in your area contact directly.

Multimedia

[Video Clips](#)
 View different short vir the LBV in action.

[Photo Gallery](#)
 View a variety of imag LBV300XL².

Related News

[Unrivaled Specificat](#)
 More standard feature components than any ROV at the price.

[Proven Success](#)
 Client uses LBV300XL² penetrate pipeline to 7 without needing to use

Applications

Just a few examples o LBV300XL² systems c used.

multiple RS232 channels for options such as sonar and positioning system. The programmable Video Overlay displays heading, depth, temperature, thruster gain settings, auto settings, cable turns, and time/date.

- Offshore operat
- Long line penet
- Hydro inspectio

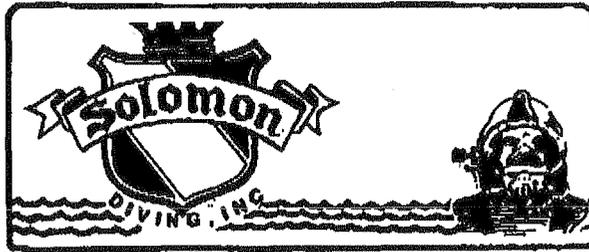
Options

The LBV300XL² is a very complete system, however, many options are available to further customize the system to each client's requirements. Add items like a three jaw grabber, scanning sonar, USBL tracking system, external lighting and Cygnus UT probe.

click

Extended Support

Each LBV300XL² is supplied with the SeaBotix 24-Month Limited Warranty. This added coverage along with our 24/7 Tech Support adds peace of mind and confidence. Personalized factory and on-site training is also available.



Complete Underwater Service/Specialists

May 14, 2009

City of Monroe
Supt. of Wastewater
120 E. First St.
Monroe, MI 48161

Attn: Spencer Maniaci / David Brown

This is a proposal for the services of Solomon Diving, Inc. to the City of Monroe, MI for the inspection with video documentation of approximately 6,800' of a 72" Outfall Final Effluent Line.

Solomon Diving, Inc. will provide a five (5) member dive team and all necessary dive equipment utilizing surface supplied air systems with voice communications in compliance with OSHA and MIOSHA standards to perform this project.

Solomon Diving, Inc. will request of the City of Monroe to provide oversight personnel with knowledge of the system to be inspected, access to the manholes for our truck and trailer, personnel to remove and replace manhole covers, a fresh water supply for decon of the diver and equipment, and reduced water flows at the time of the dive to facilitate a safe dive operation.

NOTE: The discharge velocities will be discussed and/or determined prior to the commencement of any diving operations.

This project as proposed is estimated to require five (5) 8-10 hour work days.

The proposed work days are for Monday thru Friday during daylight hours.

Amount as Proposed

\$ 21,750.00

Thank You.

Sincerely,

Bret A. Solomon
Solomon Diving, Inc.
1571 Beechwood Street
Monroe, MI 48162-4101
734-242-4777
734-242-1866 Fax
www.solomondiving.com

*Prevailing wage rates are not represented in this proposal.

**This proposal is valid for 30 calendar days from this date.

***Requests to be Additionally Insured with respect to General Liability will be obtained at a cost of \$125.00 per entity listed in addition to the amount proposed.

****Payment Due Upon Invoice Receipt.

*****Accounts not paid within 30 calendar days of the invoice date will be charged a \$25.00 fee and 1 ½% interest compounded monthly.

ALL DESIGNS AND/OR PROCEDURES PRESENTED BOTH VERBALLY AND WRITTEN FOR THIS PROJECT ARE THE PROPERTY OF SOLOMON DIVING, INC.



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: SCOTTWOOD AVENUE BLOCK PARTY

DISCUSSION:

The City received a request from Maureen Quinn on behalf of the residents of Scottwood Avenue for permission to hold their annual block party on August 15, 2009. Specifically the request is to close the 500 block of Scottwood Avenue from 2:00 p.m. – 10:00 p.m. for their annual picnic.

The request was reviewed by the administrative staff and there were no objections to the request subject to emergency vehicle access being maintained.

DPS personnel will place and pick up barricades on normal hours, residents can place in street.

The Police Department does not foresee any traffic issues as long as D.P.S. provides barricades to prevent motor vehicle traffic within the requested area. The Afternoon Shift Commanders will be made aware of the event so their shifts can make periodic checks.

Therefore, it is recommended, that City Council approve the request contingent upon items being met as outlined by the administration, **subject to no additional overtime or other costs to the city**, and that the City Manager be granted authority to alter/amend the event due to health and/or safety reasons.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE:

REASON FOR DEADLINE:

STAFF RECOMMENDATION:

For

Against

REASON AGAINST:

INITIATED BY: City Manager's Office

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: D.P.S., Police, Attorney, Engineering, Fire, Finance, Building and Manager

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$
Cost of This Project Approval	\$
Related Annual Operating Cost	\$
Increased Revenue Expected/Year	\$

SOURCE OF FUNDS:

City

Account Number

Amount

\$
\$
\$
\$
\$
\$
\$
\$

Other Funds

Budget Approval: _____

FACT SHEET PREPARED BY: City Manager's Office

DATE: 7/27/09

REVIEWED BY:

DATE:

COUNCIL MEETING DATE: 8/03/09



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: REQUEST FROM THE MONROE COUNTY CONVENTION & TOURISM BUREAU FOR PERMISSION TO HOLD THE 3RD ANNUAL RIVER RAISIN LABOR DAY FESTIVAL ON SEPTEMBER 5, 2009

DISCUSSION: The City received a request from the Monroe County Convention & Tourism Bureau for permission to hold the 3rd annual River Raisin Labor Day BBQ Festival on September 5, 2009, and to close the affected streets. Specifically the request is to close E. Front between S. Monroe & S. Macomb Streets as well as W. Front Street between Cass & Monroe Streets on September 5th from 12 noon – 10:00 p.m.,

The event is a family type affair with local restaurants serving BBQ items. The event's entertainment includes music and horse drawn carriage rides.

The request was reviewed by the administrative staff and there were no objections to the request subject to emergency vehicle access being maintained, inspection of tents prior to event opening by the Fire Department (contact FD for inspection), and that insurance requirements are met.

The Police Department recommends that Washington Street between First and Front Streets also be closed for this event. Police Department estimate to staff event with an officer is \$395.10.

Therefore, it is recommended, that City Council approve the request contingent upon items being met as outlined by the administration, subject to costs recovery & fee waivers in accordance with City Council adopted policy, insurance requirements being met, Fire Department guidelines to be followed:: 1. MFD SOG 5017, 2. International Fire Code 2403 & 2404, Tents and Canopies, 3. International Fire Code D103.1 Fire Apparatus Access Road, minimum of 20', and 4. Allow for Fire Dept. inspection prior to event, and that the City Manager be granted authority to alter/amend the event due to health and/or safety reasons.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE:

REASON FOR DEADLINE:

STAFF RECOMMENDATION: For Against

REASON AGAINST:

INITIATED BY:

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED:

FINANCES			
<u>COST AND REVENUE PROJECTIONS:</u>			
	Cost of Total Project		\$
	Cost of This Project Approval		\$
	Related Annual Operating Cost		\$
	Increased Revenue Expected/Year		\$
<u>SOURCE OF FUNDS:</u>	<u>City</u>	<u>Account Number</u>	<u>Amount</u>
			\$
			\$
			\$
			\$
			\$
	<u>Other Funds</u>		\$
			\$
			\$
			\$
Budget Approval: _____			

FACT SHEET PREPARED BY: City Manager's Office **DATE:** 7/22/09

REVIEWED BY: **DATE:**

COUNCIL MEETING DATE: 8/03/09



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: MEMORIAL 9/11 "BIKE NIGHT"

DISCUSSION:

The City received a request from Firefighter Mike DeSloover on behalf of the Firefighters Local 326 for permission hold the 3rd annual 9/11 Memorial Bike Night and to close the affected streets. Specifically the request is to close Washington Street between E. First and E. Front Street and E. Front Street from S. Macomb to S. Monroe Street from 5:00 p.m. – 10:00 p.m. for the purpose of parking motorcycles for display and to use the Loranger Square pavilion for music.

Donations from this event will be collected and all proceeds will be donated to the Great Lakes Burn Camp.

The request was sent to the administrative staff for their review. We do not foresee any problems or objections to the request subject to emergency vehicle access being maintained and certificate of insurance. It was also recommended that residents and businesses in the downtown area be made aware of the event and street closures. DPS personnel will place and pick up barricades on normal hours (9/11 & 0/14); volunteers will need to set up and remove during actual closure.

The Police Department recommends a minimum of two officers and a supervisor be assigned to the event this year. The officers will monitor the closed roadways, assure motorcycles are parking properly (not on sidewalks/crosswalks), and make bar checks of the nearby establishments to monitor the participants behavior and possible LCC violations. (Police Dept.'s labor estimate for this event is approximately \$202.45 - \$637.00 depending on staffing levels.)

Permission to use the Loranger Square pavilion must be obtained through the County of Monroe.

Therefore, it is recommended, that City Council approve the request contingent upon items being met as outlined by the administration, subject to costs recovery & fee waivers in accordance with City Council adopted policy, and that the City Manager be granted authority to alter/amend the event due to health and/or safety reasons.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE:

REASON FOR DEADLINE:

STAFF RECOMMENDATION:

For

Against

REASON AGAINST:

INITIATED BY: City Manager's Office

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: D.P.S., Police, Attorney, Engineering, Fire, Finance, Building and Manager

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$
Cost of This Project Approval	\$
Related Annual Operating Cost	\$
Increased Revenue Expected/Year	\$

SOURCE OF FUNDS:

City

Account Number

Amount

\$
\$
\$
\$
\$
\$
\$
\$

Other Funds

Budget Approval: _____

FACT SHEET PREPARED BY: City Manager's Office

DATE: 7/27/09

REVIEWED BY:

DATE:

COUNCIL MEETING DATE: 8/03/09



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: Appointments

DISCUSSION: The attached Resolution recommends appointments to various City Boards and Commissions whose terms have expired and/or where there is a vacancy.

Therefore, it is recommended, that City Council approve the proposed Resolution making appointments to various City Boards and Commissions.

CITY MANAGER RECOMMENDATION:

- For
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: N/A

REASON FOR DEADLINE: N/A

STAFF RECOMMENDATION: For Against

REASON AGAINST: N/A

INITIATED BY:

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: City Operations

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$ N/A
Cost of This Project Approval	\$ N/A
Related Annual Operating Cost	\$ N/A
Increased Revenue Expected/Year	\$ N/A

<u>SOURCE OF FUNDS:</u>	<u>City</u>	<u>Account Number</u>	<u>Amount</u>
			\$ N/A
	<u>Other Funds</u>		\$ N/A
			\$ N/A
			\$ N/A
			\$ N/A

Budget Approval: _____

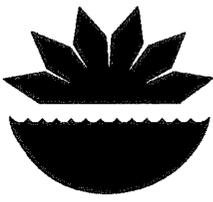
FACT SHEET PREPARED BY: Mayor's Office

DATE: 7/22/09

REVIEWED BY: Mark G. Worrell

DATE:

COUNCIL MEETING DATE: 8/03/09



CITY COUNCIL AGENDA FACT SHEET

RELATING TO: Proposed Charter Amendments for City voters to consider whether to change the selection process for the City Clerk and Treasurer from elected to appointed.

DISCUSSION: The City of Monroe Charter that was initially written and adopted in 1913 designated that the City would have a City Clerk and a City Treasurer that were elected by a vote of the registered electors of the City of Monroe. In that era both of those positions were anticipated to be held by Monroe Citizens who desired to serve their community in some way on a voluntary, part-time basis, while they were still able to conduct their regular, full-time private-sector careers. At various times since its original adoption the Monroe City Charter has been amended by voters to reflect changing norms, including the combining of the separate Clerk and Treasurer positions into one Clerk/Treasurer position. Other significant previous changes to the Monroe City Charter was the inclusion of language that was needed for the establishment of a professional city management team to oversee the much more complex day-to-day administration, financing, operations and employee relations for city services. Among other things, these changes included the establishment of the position of City Manager and the establishment through ordinance of the Director of Finance and other professional administration positions.

A comprehensive City Operations Assessment and Recommendations, commissioned by the Mayor and Council, was completed by a professional municipal consultant in 2007. Almost all of the recommendations from that Assessment have since been implemented, resulting in a significantly more efficient and financially sustainable municipal services organization. One of the recommendations from that Assessment that has not yet been implemented was the recommendation to transform the City Clerk/Treasurer positions from elected to appointed (see attached excerpted recommendations from the 2007 Operations Assessment). Less than 20% of Michigan cities and villages still elect their clerks and treasurers. It was recommended that the part-time duties of the current Clerk/Treasurer position be assigned to other current city administrators and employees, which would result in more efficient operations and significant cost savings. Current estimates indicate that with the transition of the Clerk/Treasurer position from elected to appointed and those part-time duties distributed to other current city administrators and employees, the City could reduce its costs by a minimum of \$50,000 or more each year.

The major duties of the City Clerk are to organize and oversee the governmental election process for registered voters residing within the City, maintenance of the registered voter rolls, recording and archiving the minutes and pertinent records of City Council and other City board and commissions and maintaining other City documents and records as prescribed by the State of Michigan. The major responsibilities of the City Treasurer are to oversee the collection and proper deposit of funds due and paid to the City. Over the past several years the State of Michigan has established and maintains a centralized system for registering voters and updating and maintaining voter rolls, significantly reducing the time commitments previously required of city clerks for maintaining voter rolls. The City has also established a separate, highly trained provisional finance staff and functions to provide for the comprehensive budgeting, accounting, investment and auditing of City funds, relieving the City Treasurer from much of the time previously needed to fulfill some of those responsibilities.

Attached you will find copies of four (4) resolutions that would place four (4) charter amendments on the November ballot. If approved by the voters the charter amendment language proposed would do the following:

Resolution No. 1 - Amends section 10 of the Monroe City Charter, pertaining to officers elected, by removing language referring to the Clerk/Treasurer.

Resolution No. 2 - Amends Section 46 of the Monroe City Charter, pertaining to elective officers designated, by removing language referring to the Clerk/Treasurer

Resolution No. 3 - Amends Section 47 of the Monroe City Charter, pertaining to officers of the City appointed, by adding language referring to the Clerk and Treasurer appointments and dismissal and by removing language pertaining to other appointed officers of the City that are no longer valid.

Resolution No. 4 - Amends Section 80 of the Monroe City Charter, pertaining to Authority of the City Manager, by removing and modifying language that will further consolidate most employment management responsibilities with the City Manager, under policies and guidelines reviewed and approved by the Mayor and City Council.

In order to implement recommendations made in the City's Operational Assessment and to achieve additional efficiencies and economies in City operations, I am respectfully requesting that the Mayor and City Council approve Resolutions 1, 2, 3 and 4, placing the proposed charter amendments on the November 03, 2009 ballot, for consideration by City of Monroe Voters.

CITY MANAGER RECOMMENDATION:

- For *[Signature]*
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: August 17, 2009

REASON FOR DEADLINE: Lead time required by statute for placing items on ballot

STAFF RECOMMENDATION: For Against

REASON AGAINST:

INITIATED BY: George A. Brown, City Manager

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: All

FINANCES

COST AND REVENUE PROJECTIONS:

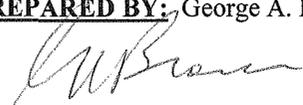
Cost of Total Project	\$
Cost of This Project Approval	\$
Related Annual Operating Cost	\$
Increased Revenue Expected/Year	\$

SOURCE OF FUNDS:	<u>City</u>	Account Number	Amount
			\$
			\$
			\$
			\$
			\$
	<u>Other Funds</u>		\$
			\$
			\$
			\$

Budget Approval: _____

FACT SHEET PREPARED BY: George A. Brown, City Manager

DATE: July 30, 2009

REVIEWED BY: 

DATE:

COUNCIL MEETING DATE: 8/03/09

RESOLUTION No. 1

1 **BE IT RESOLVED**, by the City Council of the City of Monroe, Michigan as follows:

2 1. By a 3/5 vote of its members-elect, pursuant to the authority granted by Public Act 279 of
3 1909, as amended, it is proposed that Section 10 of the Charter of the City of Monroe be
4 amended to read as follows:

5 **§ C-10. When Regular Election Held; Officers Elected.**

6 A regular City election shall be held in the several voting precincts of said City as
7 have been designated heretofore by the City Council of said City or may be
8 designated hereafter, on the Tuesday following the first Monday, in November, 1993,
9 and every odd-numbered year thereafter, at which time there shall be elected, a
10 Mayor for the term of two (2) years, one (1) Councilperson from each precinct of the
11 said City.

12 Provisions of existing Section 10 of the Charter of the City of Monroe to be altered or
13 abrogated by such proposal, if adopted, now read as follows:

14 **§ C-10. When Regular Election Held; Officers Elected.**

15 A regular City election shall be held in the several voting precincts of said City as
16 have been designated heretofore by the City Council of said City or may be
17 designated hereafter, on the Tuesday following the first Monday, in November, 1993,
18 and every odd-numbered year thereafter, at which time there shall be elected, a
19 Mayor for the term of two (2) years, one (1) Councilperson from each precinct of the
20 said City, and a Clerk/Treasurer all for the terms of two (2) years.

21 2. The purpose of the proposed amendment shall be designated on the ballot as follows:

22 To remove the position of Clerk/Treasurer as an elected official.

23 3. The City Clerk shall transmit a copy of the proposed amendment to the Governor of the
24 State of Michigan for approval, and transmit a copy of the foregoing statement of purpose of
25 such proposed amendment to the Attorney General of the State of Michigan for approval, as
26 required by law.

27 4. The proposed charter amendment shall be submitted to the qualified electors of the City
28 at the general election to be held on November 3rd, 2009, and the City Clerk is directed to give
29 notice of the election and notice of registration in the manner prescribed by law.

30 5. The proposed amendment shall be submitted to the electors in the following format:

31 PROPOSED AMENDMENT TO SECTION 10 OF THE CHARTER OF THE CITY
32 OF MONROE TO REMOVE THE POSITION OF CLERK/TREASURER AS AN
33 ELECTED OFFICIAL.

34 A City charter amendment proposed by the City Council to amend Section 10 of the Charter
35 by removing the position of Clerk/Treasurer as an elected official.

36 Shall Section 10 of the Charter of the City of Monroe be amended to remove the position of
37 Clerk/Treasurer as an elected official?

38 IN FAVOR _____ YES

39 OPPOSED _____ NO

40 6. The proposed amendment shall be published in full together with the existing charter
41 provision altered or abrogated by the amendment as part of the notice of election.

42 7. The canvass and determination of the votes of said question shall be made in accordance
43 with the laws of the State of Michigan and the Charter of the City of Monroe.

RESOLUTION No. 2

1 **BE IT RESOLVED**, by the City Council of the City of Monroe, Michigan as follows:

2 1. By a 3/5 vote of its members-elect, pursuant to the authority granted by Public Act 279 of
3 1909, as amended, it is proposed that Section 46 of the Charter of the City of Monroe be
4 amended to read as follows:

5 **§ C-46. Elective Officers Designated.**

6 The elective officers are hereby fixed and designated as follows:

7 One (1) Mayor and six (6) Councilpersons.

8 The Mayor and six (6) Councilpersons shall be elected at large.

9 There shall not be more than one (1) Councilperson from each precinct as
10 constituted and they must reside in the precinct from which they are elected.

11 Provisions of existing Section 46 of the Charter of the City of Monroe to be altered or
12 abrogated by such proposal, if adopted, now read as follows:

13 **§ C-46. Elective Officers Designated. [Amended 4-27-1993]**

14 The elective officers are hereby fixed and designated as follows:

15 One (1) Mayor and six (6) Councilpersons and a Clerk/Treasurer.

16 The Mayor and six (6) Councilpersons shall be elected at large.

17 There shall not be more than one (1) Councilperson from each precinct as
18 constituted and they must reside in the precinct from which they are elected.

19 The elected position of Clerk/Treasurer shall fulfill all duties and responsibilities
20 and have such power and authority as provided by Charter, ordinance and statute.

21 2. The purpose of the proposed amendment shall be designated on the ballot as follows:

22 To remove the position of Clerk/Treasurer as an elected official.

23 3. The City Clerk shall transmit a copy of the proposed amendment to the Governor of the
24 State of Michigan for approval, and transmit a copy of the foregoing statement of purpose of
25 such proposed amendment to the Attorney General of the State of Michigan for approval, as
26 required by law.

27 4. The proposed charter amendment shall be submitted to the qualified electors of the City
28 at the general election to be held on November 3rd, 2009, and the City Clerk is directed to give
29 notice of the election and notice of registration in the manner prescribed by law.

30 5. The proposed amendment shall be submitted to the electors in the following format:

31 PROPOSED AMENDMENT TO SECTION 46 OF THE CHARTER OF THE CITY
32 OF MONROE TO REMOVE THE POSITION OF CLERK/TREASURER AS AN
33 ELECTED OFFICIAL.

34 A City charter amendment proposed by the City Council to amend Section 46 of the Charter
35 by removing the position of Clerk/Treasurer as an elected official.

36 Shall Section 46 of the Charter of the City of Monroe be amended to remove the position of
37 Clerk/Treasurer as an elected official?

38 IN FAVOR _____ YES

39 OPPOSED _____ NO

40 6. The proposed amendment shall be published in full together with the existing charter
41 provision altered or abrogated by the amendment as part of the notice of election.

42 7. The canvass and determination of the votes of said question shall be made in accordance
43 with the laws of the State of Michigan and the Charter of the City of Monroe.

RESOLUTION No. 3

1 **BE IT RESOLVED**, by the City Council of the City of Monroe, Michigan as follows:

2 1. By a 3/5 vote of its members-elect, pursuant to the authority granted by Public Act 279 of
3 1909, as amended, it is proposed that Section 47 of the Charter of the City of Monroe be
4 amended to read as follows:

5 **§ C-47. Appointive Officers Designated; Removal.**

6 The appointive officers of the said City are hereby fixed and designated as
7 follows and shall be appointed by the Council:

8 One (1) City Manager (wherever in this Charter the word “Director” appears it is
9 to refer to the City Manger)

10 One (1) Clerk/Treasurer, or one (1) Clerk and (1) Treasurer, who shall fulfill all
11 duties and responsibilities and shall have such power and authority as may be
12 provide by statue, Charter or ordinance.

13 One (1) City Attorney

14 Four (4) members of the Board of Review, for a term of one (1) year.

15 And such other officers, and for such terms of office, as the Council may by
16 ordinance provide.

17 The City Manager and the City Attorney may be removed by a majority vote of
18 the Council at its pleasure. The Clerk/Treasurer, or the Clerk and Treasurer shall be
19 subordinate to the City Manager in the performance of the duties of his or her office ,
20 except insofar as his or her duties as clerk of the council are concerned, and may be
21 removed by the City Manager with confirmation by a majority vote of the Council.

22 Provisions of existing Section 47 of the Charter of the City of Monroe to be altered or
23 abrogated by such proposal, if adopted, now read as follows:

24 **§ C-47. Appointive Officers Designated; Removal. [Amended 6-23-1921]**

25 The appointive officers of the said City are hereby fixed and designated as
26 follows and shall be appointed by the Council:

27 One (1) City Attorney, for a term of two (2) years.

28 Three (3) Building Inspectors, for terms of three years, whose terms shall be so
29 arranged that one (1) Inspector shall be appointed each year.

30 One (1) Chief of Police, for a term of one (1) year.

31 One (1) Chief of the Fire Department, for a term of one (1) year.

32 One (1) City Engineer, for a term of one (1) year.

33 Four (4) members of the Board of Review of whom the City Attorney shall be one
34 (1), for a term of one (1) year.

35 Three (3) Election Inspectors for each election precinct, for a term of one (1) year.

36 One (1) City Physician, for a term of one (1) year.

37 One (1) Inspector of Weights and Measures, for a term of one (1) year.

38 One (1) Dog Warden, for a term of one (1) year.

39 And such other officers, and for such terms of office, as the Council may by
40 ordinance provide.

41 All appointive officers may be removed by a majority vote of the Council at its
42 pleasure.

43 2. The purpose of the proposed amendment shall be designated on the ballot as follows:

44 To designate the position of Clerk/Treasurer, or Clerk and Treasurer, as an appointed
45 official(s) subordinate to the City Manager, and delete the positions of Building
46 Inspectors, Chief of Police, Chief of Fire, City Engineer, Election Inspectors, City
47 Physician, Inspector of Weights and Measures and Dog Warden as appointed
48 officials.

49 3. The City Clerk shall transmit a copy of the proposed amendment to the Governor of the
50 State of Michigan for approval, and transmit a copy of the foregoing statement of purpose of
51 such proposed amendment to the Attorney General of the State of Michigan for approval, as
52 required by law.

53 4. The proposed charter amendment shall be submitted to the qualified electors of the City
54 at the general election to be held on November 3rd, 2009, and the City Clerk is directed to give
55 notice of the election and notice of registration in the manner prescribed by law.

56 5. The proposed amendment shall be submitted to the electors in the following format:

57 PROPOSED AMENDMENT TO SECTION 47 OF THE CHARTER OF THE CITY
58 OF MONROE TO DESIGNATE THE POSITION OF CLERK/TREASURER, OR
59 CLERK AND TREASURER, AS AN APPOINTED OFFICIAL(S) SUBORDINATE
60 TO THE CITY MANAGER, AND DELETE THE POSITIONS OF BUILDING
61 INSPECTORS, CHIEF OF POLICE, CHIEF OF FIRE, CITY ENGINEER,
62 ELECTION INSPECTORS, CITY PHYSICIAN, INSPECTOR OF WEIGHTS AND
63 MEASURES AND DOG WARDEN AS APPOINTED OFFICIALS.

64 A city charter amendment proposed by the City Council to amend Section 47 of the Charter
65 by designating the position of Clerk/Treasurer, or Clerk and Treasurer, as an appointed official(s)
66 subordinate to the City Manager, and delete the positions of Building Inspectors, Chief of Police,

67 Chief of Fire, City Engineer, Election Inspectors, City Physician, Inspector of Weights and
68 Measures and Dog Warden as appointed officials.

69 Shall Section 47 of the Charter of the City of Monroe be amended to designate the position
70 of Clerk/Treasurer, or Clerk and Treasurer, as an appointed official(s) subordinate to the City
71 Manager, and delete the positions of Building Inspectors, Chief of Police, Chief of Fire, City
72 Engineer, Election Inspectors, City Physician, Inspector of Weights and Measures and Dog
73 Warden as appointed officials.

74 IN FAVOR _____ YES

75 OPPOSED _____ NO

76 6. The proposed amendment shall be published in full together with the existing charter
77 provision altered or abrogated by the amendment as part of the notice of election.

78 7. The canvass and determination of the votes of said question shall be made in accordance
79 with the laws of the State of Michigan and the Charter of the City of Monroe.

RESOLUTION No. 4

1 **BE IT RESOLVED**, by the City Council of the City of Monroe, Michigan as follows:

2 1. By a 3/5 vote of its members-elect, pursuant to the authority granted by Public Act 279 of
3 1909, as amended, it is proposed that Section 80 of the Charter of the City of Monroe be
4 amended to read as follows:

5 **§ C-80. Authority of City Manager.**

6 The City Manager shall have the right and authority to hire and discharge, or
7 temporarily suspend, any employee in any department or service; provided that any
8 employee who is required by the laws of the State or by this Charter to subscribe to
9 and file an oath of office shall not be employed, appointed or discharged except by a
10 majority vote of the City Council.

11 The City Manager shall carry out the authority herein vested in him in accordance
12 with the provisions of a personnel manual which he shall prepare and issue. This
13 manual shall be prepared with the advice and assistance of the Civil Service
14 Commission, appointed as provided in §§ C-325 to C-345 inclusive of this Charter,
15 and it shall be submitted to the City Council for approval. Among other things, the
16 personnel manual shall provide: (1) that appointments and promotions shall be based
17 solely upon the fitness, training and experience of the individual with no
18 discrimination on account of political or religious opinions; (2) that no employee shall
19 be demoted, suspended or discharged for gender or political or religious reason, but
20 such demotions, suspensions or discharges shall be made only for misconduct,
21 inefficiency or other just cause; (3) that any demoted, suspended or discharged
22 employee if hired through or put under Civil Service shall have the right to a public

23 hearing before the Civil Service Commission after which said Civil Service
24 Commission shall advise the City Manager in writing of its findings.

25 Provisions of existing Section 80 of the Charter of the City of Monroe to be altered or
26 abrogated by such proposal, if adopted, now read as follows:

27 **§ C-80. Authority of City Manager. [Amended 11-8-1934; 4-9-1941; 4-27-1993]**

28 The City Manager shall have the right and authority to hire and discharge, or
29 temporarily suspend, any employee in any department or service; provided that any
30 employee who is required by the laws of the State or by this Charter to subscribe to
31 and file an oath of office shall not be employed, appointed or discharged except by a
32 majority vote of the City Council; and provided further, that his authority to hire,
33 discharge and suspend employees shall not extend to the authorized employees of the
34 City Clerk, the City Treasurer and City Assessor. The City Clerk, the City Treasurer
35 and the City Assessor shall, however, hire, discharge or temporarily suspend
36 employees in accordance with the provisions of the personnel manual hereinafter
37 mentioned; and said employees shall have the right to a public hearing before the
38 Civil Service Commission which shall advise the appointing authority in writing of its
39 findings.

40 The City Manager shall carry out the authority herein vested in him in accordance
41 with the provisions of a personnel manual which he shall prepare and issue. This
42 manual shall be prepared with the advice and assistance of the Civil Service
43 Commission, appointed as provided in §§ C-325 to C-345 inclusive of this Charter,
44 and it shall be submitted to the City Council for approval. Among other things, the
45 personnel manual shall provide: (1) that appointments and promotions shall be based

46 solely upon the fitness, training and experience of the individual with no
47 discrimination on account of political or religious opinions; (2) that no employee shall
48 be demoted, suspended or discharged for gender or political or religious reason, but
49 such demotions, suspensions or discharges shall be made only for misconduct,
50 inefficiency or other just cause; (3) that any demoted, suspended or discharged
51 employee if hired through or put under Civil Service shall have the right to a public
52 hearing before the Civil Service Commission after which said Civil Service
53 Commission shall advise the City Manager in writing of its findings.

54 2. The purpose of the proposed amendment shall be designated on the ballot as follows:

55 To extend the authority of the City Manager to hire, discharge, or suspend authorized
56 employees of the City Clerk, the City Treasurer and the City Assessor.

57 3. The City Clerk shall transmit a copy of the proposed amendment to the Governor of the
58 State of Michigan for approval, and transmit a copy of the foregoing statement of purpose of
59 such proposed amendment to the Attorney General of the State of Michigan for approval, as
60 required by law.

61 4. The proposed charter amendment shall be submitted to the qualified electors of the City
62 at the general election to be held on November 3rd, 2009, and the City Clerk is directed to give
63 notice of the election and notice of registration in the manner prescribed by law.

64 5. The proposed amendment shall be submitted to the electors in the following format:

65 PROPOSED AMENDMENT TO SECTION 80 OF THE CHARTER OF THE CITY
66 OF MONROE TO EXTEND THE AUTHORITY OF THE CITY MANAGER TO
67 HIRE, DISCHARGE, OR SUSPEND AUTHORIZED EMPLOYEES OF THE CITY
68 CLERK, THE CITY TREASURER AND THE CITY ASSESSOR.

69 A City charter amendment proposed by the City Council to amend Section 80 of the
70 Charter by removing the position of Clerk/Treasurer as an elected official.

71 Shall Section 80 of the Charter of the City of Monroe be amended to extend the
72 authority of the City Manager to hire, discharge, or suspend authorized employees of the
73 City Clerk, the City Treasurer and the City Assessor?

74 IN FAVOR _____ YES

75 OPPOSED _____ NO

76 6. The proposed amendment shall be published in full together with the existing charter
77 provision altered or abrogated by the amendment as part of the notice of election.

78 7. The canvass and determination of the votes of said question shall be made in accordance
79 with the laws of the State of Michigan and the Charter of the City of Monroe.

RECOMMENDATIONS FOR THE CLERK/TREASURER'S OFFICE

Based on the preceding findings and conclusions, our recommendations for improvement are as follows:

1. FOLLOWING THE TERM OF THE INCUMBENT, THE CITY SHOULD CONSIDER ELIMINATING THE CLERK/TREASURER POSITION.

- A charter change would be required
- The Clerk and Treasury management functions could be assumed by the Finance Director
- The Finance Director would also assume the title of City Clerk
- As is the case now, the Deputy Clerk and Deputy Treasurer would have line supervisory responsibilities and perform the majority of key tasks.

2. A SECRETARY/CLERICAL ASSISTANT POSITION SHOULD BE ELIMINATED.

- The Treasury position with responsibility for parking ticket administration should be eliminated, with the two remaining clerical positions assuming responsibility for parking ticket administration and other tasks
- A lock box option should be investigated
- Part-time help should be employed to assist with "peak" work periods if needed.

3. A DELINQUENT TICKET COLLECTION PROCESS SHOULD BE INSTITUTED.

- The \$93,000 outstanding balance should be targeted
- A consistent, reliable process for collections should be instituted
- The cost benefit of the current contract should be scrutinized
- A credit bureau should be retained. The Department of Treasury may offer a viable option.

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- A charter change would be required
- The Clerk and Treasury management functions could be assumed by the Finance Director
- The Finance Director would also assume the title of City Clerk
- As is the case now, the Deputy Clerk and Deputy Treasurer would have line supervisory responsibilities and perform the majority of key tasks.

2. A SECRETARY/CLERICAL ASSISTANT POSITION SHOULD BE ELIMINATED.

- The Treasury position with responsibility for parking ticket administration should be eliminated, with the two remaining clerical positions assuming responsibility for parking ticket administration and other tasks
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- Part-time help should be employed to assist with "peak" work periods if needed.

3. A DELINQUENT TICKET COLLECTION PROCESS SHOULD BE INSTITUTED.

- The \$93,000 outstanding balance should be targeted
- A consistent, reliable process for collections should be instituted
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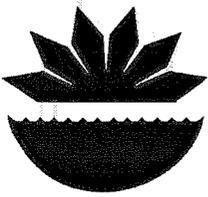
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CITY COUNCIL AGENDA FACT SHEET

RELATING TO: Bridge Repair and Rehabilitation Charter Amendment Resolution

DISCUSSION: Three significant bridges crossing the River Raisin in the City of Monroe are in need of repair or rehabilitation. The Mayor and City Council at a recent work session requested that ballot language be drafted for an additional millage request to fund bond payments related to the bridge work. The following work is contemplated:

1. Winchester Street Bridge – rehabilitate the bridge beginning in the summer of 2010 with work to be completed in the summer of 2011. Estimated cost = \$2.0 million.
2. Macomb Street Bridge – rehabilitate the bridge beginning in the summer of 2012 with the work to be completed in the summer of 2013. Estimated cost = \$2.5 million. This project has been submitted for federal funding and we will not know until 2011 if funding will be received.
3. Roessler Street Bridge – rehabilitate the bridge beginning in the spring/summer of 2013 with the work to be completed in the fall of 2013. Estimated cost = \$1.25 million. This project has also been submitted for federal funding and we will not know until 2011 if funding will be received.

These projects were submitted to the City's financial advisor and bond counsel for their recommendations. It was recommended that these projects be funded with 2 or 3 bond issues. Project 2 and 3 might be able to be combined into one bond issue depending on the schedule of the work. For purposes of determining the millage to pay these bond payments, a \$900.0 million taxable value was used throughout the life of the bond(s) and a 5.50% or 5.75% interest rate was used for planning. For a level millage over the twenty year bond, under these criteria, .52 mills additional millage would be needed. This would be an annual millage that would be levied by the city for up to 20 years and it would be approved for up to .52 mills. This means that the millage actually levied each year by the Mayor and City Council could be less than the .52 mills. Many things could happen that would reduce the amount of the millage that would be levied. They include:

1. Construction costs come in less than estimated.
2. Interest rates on the bonds are less than estimated. The interest rates used are very conservative, so this is likely to happen.
3. Federal funds are received and a bond issue isn't required.
4. Build America Bonds are used that would reduce the bond payments. Monroe County was allocated \$13.237 million in Recovery Zone Economic Development Bonds.
5. Taxable value rises/stays above \$900.0 million.
6. Bond 2 and 3 can be combined, reducing bond issue costs.
7. Other city funding becomes available.

The charter amendment language would restrict the use of these millage funds to use on these three bridges. I have attached a summary of some alternatives that were prepared by PFM.

It is recommended that the Mayor and City Council approve the attached resolution to place the charter amendment question relating to the additional millage for bridges on the November 3, 2009 ballot.

CITY MANAGER RECOMMENDATION:

- For *[Signature]*
- For, with revisions or conditions
- Against
- No Action Taken/Recommended

APPROVAL DEADLINE: August 25, 2009

REASON FOR DEADLINE: Certification of ballot wording to local Clerk required by this date

STAFF RECOMMENDATION: For Against

REASON AGAINST: N/A

INITIATED BY: Edward Sell, Finance Director

PROGRAMS, DEPARTMENTS, OR GROUPS AFFECTED: City Infrastructure, City Taxpayers

FINANCES

COST AND REVENUE PROJECTIONS:

Cost of Total Project	\$ N/A
Cost of This Project Approval	\$ N/A
Related Annual Operating Cost	\$ N/A
Increased Revenue Expected/Year	\$ N/A

SOURCE OF FUNDS:

City

Account Number

Amount

\$ N/A

\$ N/A

\$ N/A

\$ N/A

\$ N/A

Other Funds

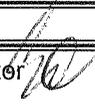
\$ N/A

\$ N/A

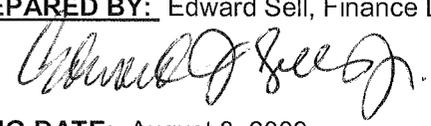
\$ N/A

\$ N/A

Budget Approval: _____

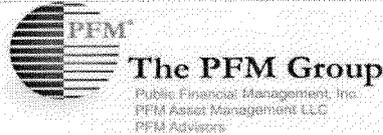
FACT SHEET PREPARED BY: Edward Sell, Finance Director 

DATE: 7/28/2009

REVIEWED BY: 

DATE: 7-30-09

COUNCIL MEETING DATE: August 3, 2009



CITY OF MONROE
County of Monroe, State of Michigan
Proposed Capital Improvement Bonds

SUMMARY OF BONDING ALTERNATIVES PRESENTED

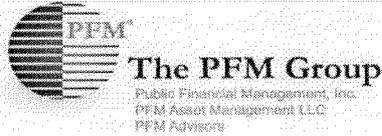
Table No.	Description	Series	Dated Date	Bond Amount	Bond Term	Estimated Interest Rate	Estimated Interest Cost	Est. Millage Required
A1-A	Level millage	1	6/1/10	\$2,070,000	19.92 yrs	5.50%	\$953,013	0.52
		2	6/1/12	\$2,565,000	17.92 yrs	5.75%	\$1,587,359	
		3	6/1/13	\$1,310,000	16.92 yrs	5.75%	\$858,810	
				<u>\$5,945,000</u>			<u>\$3,399,182</u>	
A1-B	phased-in millage	1	6/1/10	\$2,070,000	19.92 yrs	5.50%	\$1,210,963	0.58
		2	6/1/12	\$2,565,000	17.92 yrs	5.75%	\$1,632,209	
		3	6/1/13	\$1,310,000	16.92 yrs	5.75%	\$784,635	
				<u>\$5,945,000</u>			<u>\$3,627,807</u>	
A2-A	Level millage	1	6/1/10	\$2,070,000	19.92 yrs	6.00%	\$1,037,850	0.54
		2	6/1/12	\$2,565,000	17.92 yrs	6.00%	\$1,656,375	
		3	6/1/13	\$1,310,000	16.92 yrs	6.00%	\$894,050	
				<u>\$5,945,000</u>			<u>\$3,588,275</u>	
A2-B	phased-in millage	1	6/1/10	\$2,070,000	19.92 yrs	6.00%	\$1,306,350	0.60
		2	6/1/12	\$2,565,000	17.92 yrs	6.00%	\$1,703,175	
		3	6/1/13	\$1,310,000	16.92 yrs	6.00%	\$818,750	
				<u>\$5,945,000</u>			<u>\$3,828,275</u>	

Assumptions:

- * -1.59% Taxable Value growth rate for the first year, then 0.0% thereafter
- * November 3, 2009 election

NW/KB
 7/27/2009

NOTE: TAXABLE VALUE GROWTH RATE ARE ONLY PROJECTIONS. PFM CAN NOT PROVIDE ANY ASSURANCES ON TAXABLE VALUE GROWTH RATES.



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 Ann Arbor, MI 48108
 734-994-9700
 734-994-9710 fax
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CITY OF MONROE
County of Monroe, State of Michigan
Proposed Capital Improvement Bonds

ESTIMATED IMPACT OF BONDING ALTERNATIVE ON INDIVIDUAL TAXPAYERS

Table No.	Est. Debt Millage Increase	Taxable Value of Home														
		\$25,000	\$35,000	\$50,000	\$65,000	\$80,000	\$95,000	\$110,000	\$125,000	\$140,000	\$155,000	\$170,000	\$185,000	\$200,000	\$225,000	\$250,000
A1-A	0.52	\$13.10	\$18.34	\$26.20	\$34.06	\$41.92	\$49.78	\$57.64	\$65.50	\$73.35	\$81.21	\$89.07	\$96.93	\$104.79	\$117.89	\$130.99
A1-B	0.58	\$14.56	\$20.39	\$29.13	\$37.87	\$46.61	\$55.34	\$64.08	\$72.82	\$81.56	\$90.30	\$99.04	\$107.78	\$116.52	\$131.08	\$145.64
A2-A	0.54	\$13.51	\$18.91	\$27.02	\$35.13	\$43.23	\$51.34	\$59.44	\$67.55	\$75.65	\$83.76	\$91.87	\$99.97	\$108.08	\$121.59	\$135.10
A2-B	0.60	\$15.05	\$21.06	\$30.09	\$39.12	\$48.15	\$57.17	\$66.20	\$75.23	\$84.26	\$93.28	\$102.31	\$111.34	\$120.37	\$135.41	\$150.46

NOTE: The above figures denote the ESTIMATED amount the individual taxpayer's tax bill will increase. If a taxpayer qualifies for the State Homestead Property Tax Credit or itemizes deductions on their federal income tax return, the "Net Tax Impact" will be less than shown above.

NW/KB
 7/27/09

RESOLUTION

1 **BE IT RESOLVED**, by the City Council of the City of Monroe, Michigan as follows:

2 1. By a 3/5 vote of its members-elect, pursuant to the authority granted by Public Act 279 of
3 1909, as amended, it is proposed that Section 118 of the Charter of the City of Monroe be
4 amended to read as follows:

5 **§ C-118. Maximum General Tax.**

6 The aggregate amount which the Council may raise by general tax upon the taxable
7 real and personal property in the City, for the purpose of defraying the general
8 expenses and liabilities of the corporation, shall not exceed in any one (1) year one
9 and one-half (1 1/2) percent of the assessed value of all real and personal property in
10 the City. In addition to the above stated maximum general tax, Council may levy up
11 to .52 mill on the taxable value of property located in the City of Monroe for twenty
12 (20) years beginning with the 2010 tax year and running through the 2029 tax years,
13 which will raise in the first year of such levy an estimated revenue of four hundred
14 sixty eight thousand dollars (\$468,000.00) to be used for the purpose of repairing and
15 rehabilitating the Roessler Street, Macomb Street and Winchester Street bridges.

16 Provisions of existing Section 118 of the Charter of the City of Monroe to be altered or
17 abrogated by such proposal, if adopted, now read as follows:

18 **§ C-118. Maximum General Tax.**

19 The aggregate amount which the Council may raise by general tax upon the taxable
20 real and personal property in the City, for the purpose of defraying the general
21 expenses and liabilities of the corporation, shall not exceed in any one (1) year one

22 and one-half (1 1/2) percent of the assessed value of all real and personal property in
23 the City.

24 2. The purpose of the proposed amendment shall be designated on the ballot as follows:

25 To allow Council to levy up to .52 mill for twenty (20) years beginning with the 2010
26 tax year and running through the 2029 tax year for the purpose of repairing and
27 rehabilitating the Roessler Street, Macomb Street and Winchester Street bridges.

28 3. The City Clerk shall transmit a copy of the proposed amendment to the Governor of the
29 State of Michigan for approval, and transmit a copy of the foregoing statement of purpose of
30 such proposed amendment to the Attorney General of the State of Michigan for approval, as
31 required by law.

32 4. The proposed charter amendment shall be submitted to the qualified electors of the City
33 at the general election to be held on November 3rd, 2009, and the City Clerk is directed to give
34 notice of the election and notice of registration in the manner prescribed by law.

35 5. The proposed amendment shall be submitted to the electors in the following format:

36 PROPOSED AMENDMENT TO SECTION 118 OF THE CHARTER OF THE
37 CITY OF MONROE TO ALLOW COUNCIL TO LEVY UP TO .52 MILL ON THE
38 TAXABLE VALUE OF PROPERTY LOCATED IN THE CITY OF MONROE FOR
39 TWENTY (20) YEARS BEGINNING WITH THE 2010 TAX YEAR AND
40 RUNNING THROUGH THE 2029 TAX YEARS, WHICH WILL RAISE IN THE
41 FIRST YEAR OF SUCH LEVY AN ESTIMATED REVENUE OF FOUR
42 HUNDRED SIXTY EIGHT THOUSAND DOLLARS (\$468,000.00) TO BE USED
43 FOR THE PURPOSE OF REPAIRING AND REHABILITATING THE ROESSLER
44 STREET, MACOMB STREET AND WINCHESTER STREET BRIDGES.

45 A City charter amendment proposed by the City Council to amend Section 118 of the Charter
46 by allowing Council to levy up to .52 mill for twenty (20) years beginning with the 2010 tax year
47 and running through the 2029 tax year for the purpose of repairing and rehabilitating the
48 Roessler Street, Macomb Street and Winchester Street bridges.

49 Shall Section 118 of the Charter of the City of Monroe be amended to allow Council to levy
50 up to .52 mill for twenty (20) years beginning with the 2010 tax year and running through the
51 2029 tax year for the purpose of repairing and rehabilitating the Roessler Street, Macomb Street
52 and Winchester Street bridges? If approved this would be a new millage.

53 IN FAVOR _____ YES

54 OPPOSED _____ NO

55 6. The proposed amendment shall be published in full together with the existing charter
56 provision altered or abrogated by the amendment as part of the notice of election.

57 7. The canvass and determination of the votes of said question shall be made in accordance
58 with the laws of the State of Michigan and the Charter of the City of Monroe.