

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

Thursday, April 7, 2016
7:00 P.M. – Committee Room A

AGENDA

1. Call to Order, Roll Call, and Establishment of a Quorum
2. Approval of Minutes
 - A. Infrastructure Committee of March 3, 2016
3. Public Participation / Presentations
4. Items for Consent
 - A. Ordinance No. 16-O-0017 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned by the City of West Chicago
 - B. Resolution No. 16-R-0018 – Contract Award – 2016 Contractual Street Striping Program
 - C. Resolution No. 16-R-0019 – Contract Award – JJ Henderson & Sons for Construction Services Related to the Disk Filter Replacement Project at the City's Regional Wastewater Treatment Plant
 - D. Resolution No. 16-R-0020 – Contract Award – Clark Dietz, Inc., for Professional Engineering Construction Oversight Services for the Disk Filter Equipment Replacement Project at the City's Regional Wastewater Treatment Plant
 - E. Resolution No. 16-R-0021 – Contract Award – Morrison Construction Company for Construction Services Related to the Digester Gas Pipe Replacement Project at the City's Regional Wastewater Treatment Plant
5. Items for Discussion
6. Unfinished Business
7. New Business
8. Reports from Staff
9. Adjournment

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

DRAFT

MINUTES

INFRASTRUCTURE COMMITTEE

March 3, 2016 7:00 P.M.

1. **Call to Order, Roll Call, and Establishment of a Quorum.** Chairman Beifuss called the meeting to order at 7:00 P.M. Roll call found Aldermen James Beifuss, Sandra Dimas, Don Earley, Al Hallett, and John Smith present. Aldermen Mark Edwalds and Noreen Ligino-Kubiski were absent.

Staff present included Michael Guttman, City Administrator, Director of Public Works Robert Flatter and Director of Community Development John Said.

Others in attendance included George Matocha, Matocha & Associates, Sarah Phalen, Director/Curator of West Chicago City Museum, People Made Visible, Inc., and Cultural Arts Commission, Chris Grodoski, People Made Visible, Inc., and Cultural Arts Commission, and Fernando Ramirez, Mexican Cultural Center.

2. Approval of Minutes

A. **Infrastructure Committee Minutes of February 4, 2016.** Alderman Dimas made a motion, seconded by Alderman Hallett to approve the Meeting Minutes of February 4, 2016. Chairman Beifuss requested a change which is reflected in the approved minutes. Voting Yea: Aldermen Dimas, Hallett, Beifuss, Earley, and Smith. Voting Nay: 0.

3. Public Participation / Presentations.

A. **200 Main Street – Assessment Report.** Mr. Flatter explained that staff was present to give the Committee an overview of the condition assessment completed for the City owned building at 200 Main Street, explaining that the building's basement and first floor are used for gallery and cultural arts purposes, and that the second and third floors remain vacant for structural, tenant build-out, and safety reasons. In 2015 the City hired three consultants to evaluate the building to help identify needed repairs to make the entire building habitable. George Matocha of Matocha & Associates was hired as the main consultant/Architect. SRI Structural Resources Inc. was hired to perform a structural assessment, and ACB Masonry was hired to evaluate the exterior masonry components of the building. All assessment reports were compiled and reviewed by Mr. Matocha. There are significant costs associated with rehabilitating the building and Mr. Matocha was introduced to provide Committee with an assessment overview.

Mr. Matocha began by stating that heavy timber masonry construction is not unusual for buildings constructed in the 1860s and the types of problems discovered during inspection

are not unusual either. These types of buildings tend to require a lot of attention as they get older because of the loads and stresses placed on them today that were not indented when they were originally designed. George stated that the highlights are covered in his Executive Summary and then turned his focus toward the cost summary estimate of the report. George indicated that the second and third floors are in disrepair and uninhabitable. The 2nd floor is sagging substantially, sloping 3-4" toward the center; thus the third floor and roof are also sagging. The sagging resulted from construction modification (i.e., beams being cut), age of timbers, and from broken timbers. The sagging is putting some stress on the masonry, but not such that it couldn't be fixed by leveling the second floor. The exterior walls are made up of three layers of brick and all four exterior elevations/walls and chimney need exterior cosmetic masonry repairs that would cost approximately \$200,000.00. Masonry repairs are one priority. The structural assessment revealed that the main beam line of the building had either been replaced and is undersized and cannot support the building, causing the building to compress on the inside. This is the major cause of the building sagging and is the highest priority for safety. The structural repair estimate is approximately \$100,000.00 to replace about 40% of the members and center beam. Structural repairs will require the first floor to be unoccupied during repairs as vertical jacks would need to be installed on every joist from the first floor to slowly lift the beams. The first floor ceiling would need to be removed to install the vertical jacks.

Mr. Matocha indicated that there are minor environmental issues in the building that need to be addressed. Mr. Matocha suggests gutting the second and third floors to the exterior studs, fixing the structural repairs, and starting with a clean slate for rehabilitation/build-out of the second and third floors. Replacing the roof would be the third priority, with exterior masonry repairs being the second priority. Consideration of an elevator and fixing stairs would be the fourth priority. Any kind of commercial use or office use on the second or third floor would require an elevator. If used for residential, the space would need to be less than four units to avoid an elevator. Alderman Beifuss indicated that a presentation of potential uses was made previously at a Development Committee meeting.

Alderman Beifuss asked Mr. Matocha about the reference in his report of a fifth stop for the elevator. Mr. Matocha explained that the best alternative would be to construct an elevator on the exterior of the building, on Turner Court side. The building's basement has two levels, with the fifth floor referencing the lower level of the basement. The front, or main, stairwell would need to remain as two exists would be required on every floor.

Alderman Dimas asked if cost to build-out the second and third floors as desired by People Made Visible would be the cheaper than residential space as the floor plan would be more open. Mr. Matocha indicated that residential construction is the most expensive and savings as much as 50% could be realized with an open floor plan, per square foot.

Alderman Hallett asked about the time frame proposed for construction. Michael Guttman responded this project is one of the reasons why the downtown TIF District duration was extended and with fundraising efforts, hopefully the City can program these improvements into the budget and complete within the next 5 to 8 years. City staff got buy-in from the Development Committee, with support/direction from the Infrastructure Committee, and

then working with the Public Affairs Committee on programing, staff could begin to see how fast we can program these repairs. Mr. Flatter reiterated that the three priorities identified by Mr. Matocha would cost approximately \$350,000.00.

Alderman Smith indicated that the project has to be done and our budget would determine how fast the project gets completed. Alderman Smith recommended that the most logical approach would be to take each segment and do it, and then review the available budget to determine when we can or would move into the next phase. Committee agreed to move forward in the direction Alderman Smith outlined.

Mr. Flatter said that staff would begin to develop a phasing and cost plan to move forward, reporting back to Committee as staff progresses with each phase of construction.

4. **Items for Consent.** Chairman Beifuss read the items for consent and requested discussion on Consent Items A and C. **Alderman Dimas made a motion, seconded by Alderman Hallett to approve:**

B. Change Order #1 and Final – 2015 Contractual Crack Sealing Program – Denler, Inc.; and,

D. Resolution No. 16-R-0013 – A Resolution for Maintenance of Streets and Highways by the City of West Chicago Relating to FY 2016 MFT Estimate of Maintenance Costs

Voting Yea: Aldermen Dimas, Hallett, Beifuss, Earley and Smith. Voting Nay: 0.

5. **Items for Discussion.** Items for discussion also include Consent Items 4.A. and 4.C.

4.A. Ordinance No. 16-O-0011 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned by the City of West Chicago. In response to a question raised by Alderman Beifuss, Mr. Flatter indicated that disposal items are mix-matched cubicle items previously put together as a temporary work station within the Community Development Department. Community Development has recently hired a new Business Outreach and Special Events Coordinator and slightly used cubicle furniture was purchased to make a legitimate cubicle office space for this person. The old furniture items are no longer useful.

Alderman Dimas made a motion to approve, seconded by Alderman Earley. Voting Yea: Aldermen Dimas, Earley, Beifuss, Hallett, and Smith. Voting Nay: 0.

4.C. Authorization to Participate in DuPage County's Bulk Rock Salt Purchasing Program for 2016-2017 Winter Season. Alderman Beifuss indicated that he pulled this item so that Committee could authorize the purchase. Mr. Flatter gave Committee a summation of the agenda write up and requested authorization from Committee to participate in DuPage County's Rock Salt Purchasing Program for the purchase of 2,000 tons of rock salt for the 2016-2017 winter season.

Alderman Dimas made a motion to approve, seconded by Alderman Earley. Voting Yea: Aldermen Dimas, Earley, Beifuss, Hallett, and Smith. Voting Nay: 0.

6. Unfinished Business. None.

7. New Business. None.

8. Reports from Staff. None.

9. Adjournment. At 7:49 P.M., Alderman Dimas made a motion to adjourn, seconded by Alderman Hallett. Motion was unanimously approved by voice vote.

Respectfully submitted,

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Ordinance No. 16-O-0017 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned by the City Of West Chicago

AGENDA ITEM NUMBER: 4.A.**COMMITTEE AGENDA DATE:** April 7, 2016**COUNCIL AGENDA DATE:** April 18, 2016**STAFF REVIEW:** Robert E. Flatter, P.E., Public Works Director**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

City staff has identified surplus equipment, stock inventory, and/or personal property that is no longer useful to the City, has little or no resale value, and should be properly disposed of (please refer to Ordinance No. 16-O-0017 and Attachment A for additional information).

Therefore, staff is requesting that these items be declared surplus so that they may be sold for nominal value, disposed of through the City's contractual waste hauler, recycled, or sold to a local scrap dealer for nominal scrap value; in a manner deemed appropriate by the City Administrator, with or without consideration.

ACTIONS PROPOSED:

Approve Ordinance No. 16-O-0017 for the disposal or sale of surplus equipment, stock inventory, and/or personal property owned by the City of West Chicago.

COMMITTEE RECOMMENDATION:

ORDINANCE NO. 16-O-0017

**AN ORDINANCE AUTHORIZING THE DISPOSAL OF SURPLUS EQUIPMENT,
STOCK INVENTORY, AND/OR PERSONAL PROPERTY OWNED BY THE
CITY OF WEST CHICAGO**

WHEREAS, in the opinion of the corporate authorities of the City of West Chicago, it is no longer necessary or useful to or in the best interests of the City of West Chicago, to retain ownership of the surplus equipment, stock inventory, and/or personal property hereinafter described; and,

WHEREAS, it has been determined by the City Council of the City of West Chicago to properly dispose of said surplus equipment, stock inventory, and/or personal property.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of West Chicago, Illinois, in regular session assembled as follows:

SECTION 1. Pursuant to 65 ILCS 5/11-76-4, the City Council of the City of West Chicago finds that the surplus equipment, stock inventory, and/or personal property listed below are no longer necessary or useful to the City of West Chicago and the best interests of the City of West Chicago will be served by their disposal:

One (1) 11' Snow Plow
One (1) 12' Snow Plow

SECTION 2. Pursuant to said Statute, the City Administrator is hereby authorized and directed to dispose of the aforementioned surplus equipment, stock inventory, and/or personal property in any manner deemed appropriate, with or without consideration.

SECTION 3. All ordinances and resolutions, or parts thereof, in conflict with the provisions of this Ordinance are, to the extent of such conflict, hereby repealed.

SECTION 4. That this Ordinance shall be in full force and effect ten (10) days from and after its passage, approval, and publication in pamphlet form as provided by law.

PASSED this 18th day of April 2016.

Alderman L. Chassee _____

Alderman J. Beifuss _____

VACANT – Ward 2

Alderman J. Sheahan _____

Alderman L. Grodoski _____

Alderman A. Hallett _____

Alderman S. Dimas _____

Alderman M. Ferguson _____

Alderman J.C. Smith, Jr. _____

Alderman K. Meissner _____

Alderman M. Edwalds _____

Alderman R. Stout _____

Alderman J.F. Banas _____

Alderman N. Ligino-Kubinski _____

APPROVED as to form: _____
City Attorney

APPROVED this 18th day of April 2016.

Mayor, Ruben Pineda

ATTEST:

City Clerk, Nancy M. Smith

PUBLISHED: _____

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0018 – Contract Award - 2016
Contractual Street Striping Program

AGENDA ITEM NUMBER: 4.B.

COMMITTEE AGENDA DATE: April 7, 2016

COUNCIL AGENDA DATE: April 18, 2016

STAFF REVIEW: Robert E. Flatter, P.E., Director of Public Works

SIGNATURE 

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The 2016 Contractual Street Striping Program consists of pavement marking removal and installation of thermoplastic pavement markings on Joliet Street, between Geneva Street and Illinois Route 59 (Neltnor Boulevard), and on Atlantic Drive between Carolina Drive and Illinois Route 64 (North Avenue). The program will also include installation of stop bars and cross walks within the Prestonfield Subdivision, and replacing/upgrading painted school zone markings with thermoplastic markings throughout the City.

Like FY 2012 thru FY 2015, for FY 2016, Superior Road Striping, Inc. holds a joint purchasing contract through the Suburban Purchasing Cooperative (SPC). The SPC's Joint Purchasing Program is sponsored by the Northwest Municipal Conference, DuPage Mayors and Managers Conference (West Chicago is a member), South Suburban Mayors and Managers Association, and Will County Governmental League, together representing over 150 municipalities, townships and other governmental agencies. A Thermoplastic Road Striping or Lane Marking Program is one of many programs for which SPC has procured joint purchase pricing through a competitive bidding process.

Applying Superior Road Striping, Inc.'s unit pricing, the City's 2016 Contractual Street Striping Program as referenced above has been designed to spend the full budgeted amount of \$40,000.00, depending on final quantity measurements. This year, Superior Road Striping, Inc.'s prices offered are approximately 23% lower than its 2015 SPC program pricing when compared using City estimated program quantities. City staff also participated in DuPage County's joint purchasing program for pavement markings and removals. Comparing Superior's unit pricing for FY 2016 against unit pricing obtained from DuPage County's joint purchasing program for estimated City quantities; Superior's FY 2016 unit prices are approximately 28% lower than DuPage County's bid prices. Superior Road Striping, Inc. has performed work on previous City projects and is an IDOT Prequalified Firm.

It is staff's recommendation that City Council award a contract to Superior Road Striping, Inc. of Melrose Park, Illinois, for the 2016 Street Striping Program, using pricing obtained from the SPC Joint Purchasing Contract, in an amount not to exceed \$40,000.00. This year's program will be paid for using Capital Project Funds (08-34-53-4869).

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0018 authorizing the Mayor to execute a Contract with Superior Road Striping, Inc. of Melrose Park, Illinois, using pricing obtained through the SPC Joint Purchasing Contract, in an amount not to exceed \$40,000.00 for the 2016 Contractual Street Striping Program.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0018

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH SUPERIOR ROAD STRIPING, INC. FOR
SERVICES RELATED TO THE 2016 STREET STRIPING PROGRAM**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract Agreement for Services related to the 2016 Street Striping Program between the City of West Chicago and Superior Road Striping, Inc., for an amount not to exceed \$40,000.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 18th day of April, 2016

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

CITY OF WEST CHICAGO UNIT PRICING COMPARISON TABLE – 2016 CONTRACTUAL STREET STRIPING PROGRAM

ITEM DESCRIPTION	CITY QUANTITY	2016 DUPAGE COUNTY UNIT PRICING	2016 DUPAGE AMOUNT	'15-'16 SPC UNIT PRICING	2015 SPC AMOUNT	'16-'17 SPC UNIT PRICING	2016 SPC AMOUNT
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	28,000	\$0.60	\$16,800.00	\$0.54	\$15,120.00	\$0.48	\$13,440.00
THERMOPLASTIC PAVEMENT MARKING - LINE 6"	4,000	\$1.00	\$4,000.00	\$0.81	\$3,240.00	\$0.70	\$2,800.00
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	0	\$1.20	0	N/A	0	N/A	0
THERMOPLASTIC PAVEMENT MARKING - LINE 12"	2,000	\$2.00	\$4,000.00	\$1.63	\$3,260.00	\$1.40	\$2,800.00
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	1,000	\$4.00	\$4,000.00	\$4.09	\$4,090.00	\$3.50	\$3,500.00
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	500	\$4.00	\$2,000.00	\$4.09	\$2,045.00	\$3.25	\$1,625.00
PAVEMENT MARKING REMOVAL	15,833	\$0.75	\$11,875.00	\$0.75	\$11,875.00	\$0.40	\$6,333.20
TOTAL			\$42,675.00		\$39,630.00		\$30,498.20

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0019 – Contract Award – JJ Henderson & Sons For Construction Services Related to the Disk Filter Replacement Project at the City's Regional Wastewater Treatment Plant

AGENDA ITEM NUMBER: 4.C.**COMMITTEE AGENDA DATE:** April 7, 2016**COUNCIL AGENDA DATE:** April 18, 2016**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

In the Sewer Fund, identified as a FY 2016 plant equipment replacement project, is the replacement of the existing sand filtration system equipment at the City's Regional Wastewater Treatment Plant with disk filtration system equipment. In March 2014 the City hired Clark Dietz, Inc. (CDI) to evaluate the existing sand filtration equipment and prepare/update an engineer's estimate of construction cost. CDI completed its evaluation and developed an engineer's estimate of cost of approximately \$3,140,000.00 to replace the existing equipment with modern disk filtration equipment. City, CH2M, and Village of Winfield staff then met and discussed CDI's preliminary investigation report and the project; all agreeing that replacement of the existing sand filtration system equipment is a priority and that the project should proceed with disk filtration equipment and appurtenances as recommended by CDI. The existing sand filtration system equipment is approximately 30 years old, far in excess of its useful life.

With Committee approval, CDI then prepared engineering plans and project specifications, and the project was bid. The proposed project includes, but is not limited to, demolition of ten existing sand filters, piping, backwash pumps, and blowers, and the furnishing and installation of four disk filtration units, all associated piping, fittings, valves, electrical, controls, access platforms, handrails, supports, doors, painting and appurtenances associated with the improvements. In order to keep the Wastewater Treatment Plant operational at all times during construction, the project will be phased into two stages with each stage replacing five of the sand filters with two disk filters. Construction is scheduled to occur over two fiscal years (i.e., FY 2016 & FY 2017), with an anticipated project completion date of May 2017.

The request for bids was advertised in the Daily Herald on February 25, 2016. All bid documents and plans were made available electronically to interested parties via Quest Construction Data Network. Bids were opened on March 24, 2016. There were seven plan holders, but the City received only four bids. JJ Henderson & Sons of Gurnee, Illinois was the lowest bidder at \$2,134,000.00. The second bid was received from Boller Construction Company, Inc. at \$2,446,204.00.

Clark Dietz's previous experience with JJ Henderson has been positive. In addition, JJ Henderson is currently working under contract for the City at the City's Waste Water Treatment Plant replacing its grit removal system equipment. CDI has checked references and recommends that the City of West Chicago accept the bid from JJ Henderson & Sons in the amount of \$2,134,000.00.

Within the Fiscal Year 2016 Sewer Fund budget (i.e., Plant Equipment Replacement Program (05-34-45-4806), \$3,140,000.00 has been budgeted for improvements to Wastewater Treatment Plant's filtration system equipment.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0019 authorizing the Mayor to execute a Contract with JJ Henderson & Sons of Gurnee, Illinois, for an amount not to exceed \$2,134,000.00, for construction services related to the Disk Filter Replacement Project at the City's Regional Wastewater Treatment Plant.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0019

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH JJ HENDERSON & SONS
FOR CONSTRUCTION SERVICES RELATED TO THE
DISK FILTER REPLACEMENT PROJECT
AT THE CITY'S REGIONAL WASTEWATER TREATMENT PLANT**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract Agreement for Construction Services related to the Disk Filter Replacement Project at the City's Regional Wastewater Treatment Plant, between the City of West Chicago and JJ Henderson & Sons, for an amount not to exceed \$2,134,000.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 18th day of April, 2016.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST: _____

City Clerk Nancy M. Smith



March 30, 2016

Robert Flatter, P.E.
Director of Public Works
City of West Chicago
475 Main Street
West Chicago, IL 60185
(630) 293-2255

Re: Bid Recommendation Letter
Disk Filter Replacement
CDI Project No. W0160083

Dear Mr. Flatter:

Bids for the Disk Filter Replacement project, in response to the requirements of the Contract Documents and Drawings dated February 2016, were received on Thursday March 24, 2016 from four general contractors. The following table summarizes the bids received. These are also summarized in the attached Tabulation of Bids.

Contractors	Base Bid (Lump Sum and Unit Prices)	Base Bid w/Additive Alternate
Independent Mechanical Industries, Inc. 4155 N. Knox Avenue Chicago, IL 60641	\$2,427,885*	\$2,465,211
JJ Henderson & Son, Inc. 4288 Old Grand Avenue Gurnee, IL 60031	\$2,114,000	\$2,134,000
Boller Construction Company, Inc. 3045 Washington Street Waukegan, IL 60085	\$2,426,804	\$2,446,204
Manusos General Contracting, Inc. 91 Christopher Way Fox Lake, IL 60020	\$2,467,971*	\$2,504,971

Math errors on the bids from Independent Mechanical and Manusos made their calculated totals not match their written totals. Independent Mechanical's total is low by \$44,330 – it appears they did not include the unit price items in the written base bid amount. Manusos's total is high by \$641,450 versus their written base bid amount. They left several line items without prices and therefore are not a responsive bid.

JJ Henderson and & Son, Inc. was the apparent low bidder in regards to the base bid amount and alternative bid amount. Their bid does not have any math errors. The bid was reviewed

for responsiveness to the requirements of the contract documents. The bid met all the requirements of Section IV, the bid proposal form.

Clark Dietz's previous experience with this contractor has been positive. In addition, Clark Dietz has checked the references for the listed subcontractors. References we obtained were positive. Therefore, Clark Dietz recommends that the City of West Chicago accept the apparent low bid from JJ Henderson & Son, Inc.

In August 2014 Clark Dietz prepared a Disk Filtration Evaluation Memorandum. In that Memorandum, the estimated budget for this project was \$3,580,000 including engineering and construction costs. The table below updates that budget with the actual construction bid and engineering costs. Clark Dietz generally recommends that an 8% contingency be maintained for construction projects. We do not anticipate that the 8% will be needed, but if it is needed it would cover errors, omissions, and unforeseen conditions. As shown below, the current project costs are more than \$1,000,000 less than the 2014 budget.

	2014 Budget	2016 Budget Update	Notes
Construction	\$3,140,000	\$2,114,000	JJ Henderson and Son, Inc. Bid
Design Engineering	\$251,000	\$164,000	2 CDI Contracts, expected to finish in April \$50k under budget
Construction Engineering	\$188,000	\$121,000	Fee Estimate
Construction Alternate	\$0	\$20,000	Painting the pipe gallery
Construction Contingency	\$0	\$169,000	Recommended 8% for errors, omissions, unforeseen conditions
Total Project Cost	\$3,580,000	\$2,424,000	

The bid forms included two deductive alternates: one for the replacement of windows and one for the replacement of doors in the filter building. These building improvements were alternates in case bids came in high and scope needed to be removed. Since bids were not high, Clark Dietz recommends keeping replacement windows and doors in the scope. Similarly, painting of the pipe gallery was not included in the base scope. Since work will be performed in the pipe gallery and the gallery will be visible from the filter area, it is recommended that the City accept this alternate, which brings JJ Henderson's bid to \$2,134,000.

Please contact us with any questions or comments.

City of West Chicago, IL
March 30, 2016
Page 3

Sincerely,

Clark Dietz, Inc.



Andrea W. Bretl, P.E.
Project Manager

Enclosures

BID TABULATION
FOR BIDS OPENED March 24, 2016
City of West Chicago
Disk Filter Replacement
CDI Project No. W0160083

				Contractor 1				Contractor 2				Contractor 3				Contractor 4			
Lump Sum Items				Independent Mechanical Industries, Inc. 4155 N. Knox Avenue Chicago, IL 60641				JJ Henderson & Son, Inc. 4288 Old Grand Avenue Gurnee, IL 60031				Boller Construction Company, Inc. 3045 Washington Street Waukegan, IL 60085				Manusos General Contracting, Inc. 91 Christopher Way Fox Lake, IL 60020			
				Price in Figures		Price in Figures		Price in Figures		Price in Figures		Price in Figures		Price in Figures		Price in Figures			
Item No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price				
1	General Requirements	1	LS	\$133,458.00	\$133,458.00	\$120,000.00	\$120,000.00	\$138,400.00	\$138,400.00	\$143,400.00	\$143,400.00	--	--	--	--				
2	Selective Demolition	1	LS	\$332,200.00	\$332,200.00	\$265,000.00	\$265,000.00	\$350,800.00	\$350,800.00	\$350,800.00	\$350,800.00								
3	Disk Filter equipment	1	LS	\$905,000.00	\$905,000.00	\$905,000.00	\$905,000.00	\$905,000.00	\$905,000.00	\$905,000.00	\$905,000.00								
4	Additional Items from Disk Filter	1	LS	\$40,150.00	\$40,150.00	\$40,150.00	\$40,150.00	\$40,150.00	\$40,150.00	\$40,150.00	\$40,150.00								
5	SCADA Integration from TRI-R System	1	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00								
6	Disk Filter Installation	1	LS	\$478,855.00	\$478,855.00	\$36,000.00	\$36,000.00	\$135,900.00	\$135,900.00	\$325,000.00	\$325,000.00								
7	Piping and Valves	1	LS	\$188,350.00	\$188,350.00	\$292,000.00	\$292,000.00	\$334,500.00	\$334,500.00	\$275,000.00	\$275,000.00								
8	Structural Modifications	1	LS	\$118,800.00	\$118,800.00	\$213,330.00	\$213,330.00	\$246,300.00	\$246,300.00	\$45,000.00	\$45,000.00								
9	Coatings, Except Floor Coatings	1	LS	\$100,500.00	\$100,500.00	\$90,000.00	\$90,000.00	\$94,000.00	\$94,000.00	--	--								
10	Electrical and Lighting Improvements	1	LS	\$81,242.00	\$81,242.00	\$75,000.00	\$75,000.00	\$98,300.00	\$98,300.00	\$10,000.00	\$10,000.00								
LUMP SUM AS SHOWN ON BID FORM TOTAL				\$2,383,555.00				\$2,041,480.00				\$2,348,350.00				\$2,390,000.00			
LUM SUM CALCULATED TOTAL				\$2,383,555.00				\$2,041,480.00				\$2,348,350.00				\$1,748,550.00			
Unit Price Items																			
Item No.	Description	Quantity	Unit	Price in Figures		Price in Figures		Price in Figures		Price in Figures		Price in Figures		Price in Figures					
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price				
11	Floor Coating Removal	3,540	SF	\$5.00	\$17,700.00	\$8.00	\$28,320.00	\$8.65	\$30,621.00	\$2.85	\$10,089.00								
12	Surface Preparation	3,020	SF	\$4.00	\$12,080.00	\$5.00	\$15,100.00	\$5.40	\$16,308.00	\$1.60	\$4,832.00								
13	Floor Coating	4,850	SF	\$3.00	\$14,550.00	\$6.00	\$29,100.00	\$6.50	\$31,525.00	\$13.00	\$63,050.00								
UNIT PRICE AS SHOWN ON BID FORM TOTAL				\$44,330.00				\$72,520.00				\$78,454.00				\$77,971.00			
UNIT PRICE CALCULATED TOTAL				\$44,330.00				\$72,520.00				\$78,454.00				\$77,971.00			
AS SHOWN ON BID FORM BASE BID AMOUNT				\$2,383,555.00				\$2,114,000.00				\$2,426,804.00				\$2,467,971.00			
CALCULATED BASE BID AMOUNT				\$2,427,885.00				\$2,114,000.00				\$2,426,804.00				\$1,826,521.00			
Deductive Alternatate No. 1 - Replacement of 11 windows				\$9,686.00				\$45,000.00				\$28,100.00				\$22,900.00			
Deductive Alternatate No. 2 - Replacement of 2 doors				\$16,000.00				\$11,000.00				\$11,300.00				\$9,800.00			
Additive Alternatate No. 3 - Surface prep and coating for walls, ceiling and floor				\$37,326.00				\$20,000.00				\$19,400.00				\$37,000.00			
CALCULATED BASE BID WITH ADDITIVE AMOUNT				\$2,465,211.00				\$2,134,000.00				\$2,446,204.00				\$2,504,971.00			

Math not consistent with bid form

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0020 – Contract Award – Clark Dietz, Inc. for Professional Engineering Construction Oversight Services for the Disk Filter Equipment Replacement Project at the City's Regional Wastewater Treatment Plant

AGENDA ITEM NUMBER: 4.D.**COMMITTEE AGENDA DATE:** April 7, 2016**COUNCIL AGENDA DATE:** April 18, 2016**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

In the Sewer Fund, identified as a FY 2016 plant equipment replacement project, is the replacement of the existing sand filtration system with a disk filtration system at the City's Regional Wastewater Treatment Plant. In November 2015 the City hired Clark Dietz, Inc. (CDI) to prepare engineering plans and project specifications, and the project was bid and opened in March 2016.

With an award of a construction contract pending Infrastructure Committee and City Council approval, City staff approached CDI and requested a cost proposal to perform engineering construction oversight services for the project. CDI's proposal is for a not to exceed amount of \$121,470.00, which is approximately 5.69% of the cost of construction (engineering construction oversight services typically average 10% of construction costs).

Adequate funds have been budgeted and are available in the Sewer Fund (i.e., Sewer Plant Equipment Replacement Program) to cover this engineering construction oversight services expenditure. Construction is scheduled to occur over two fiscal years (i.e., FY 2016 & FY 2017), with an anticipated project completion date of May 2017.

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0020 authorizing the Mayor to execute a Contract with Clark Dietz, Inc. of Champaign, Illinois, for an amount not to exceed \$121,470.00, for professional engineering construction oversight services related to the Disk Filter Equipment Replacement Project at the City's Regional Wastewater Treatment Plant.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0020

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH CLARK DIETZ, INC.
FOR PROFESSIONAL ENGINEERING CONSTRUCTION OVERSIGHT
SERVICES RELATED TO THE DISK FILTER REPLACEMENT PROJECT AT
THE CITY'S REGIONAL WASTEWATER TREATMENT PLANT**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract Agreement for Professional Engineering Construction Oversight Services related to the Disk Filter Replacement Project at the City's Regional Wastewater Treatment Plant, between the City of West Chicago and Clark Dietz, Inc., for an amount not to exceed \$121,470.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 18th day of April, 2016.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0021 – Contract Award – Morrison Construction Company For Construction Services Related to the Digester Gas Pipe Replacement Project at the City's Regional Wastewater Treatment Plant

AGENDA ITEM NUMBER: 4.E,**COMMITTEE AGENDA DATE:** April 7, 2016**COUNCIL AGENDA DATE:** April 18, 2016**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Methane gas is a byproduct of the anaerobic digestion process utilized to break down sludge waste into biosolids at the City's Regional Wastewater Treatment Plant (WWTP). For safety, the methane gas is disposed of by combustion in a waste gas burner (a.k.a. gas flare or flare stake). The existing digester gas line pipe, which is buried under ground between the digester building and the flare stake, is approximately 30 years old (far in excess of its useful life), is leaking methane gas and is infiltrating with ground water which is restricting the flow of gas from the digester(s) to the flare stake. This is a potential health and safety concern. In the Sewer Fund, identified as a FY 2016 plant equipment replacement project, is the replacement of the existing digester gas pipe at the WWTP.

In December 2015 the City hired Clark Dietz, Inc. (CDI) to evaluate the existing digester gas piping and prepare engineering plans and project specifications. The proposed project includes, but is not limited to, installation of a new digester gas pipe, concrete and metal supports, relocation of the existing flare stake, a concrete sidewalk installation, safety equipment installation, and appurtenances associated with the improvements. CDI's engineer's estimate of construction cost was approximately \$40,000.00.

The request for bids was advertised in the Daily Herald on February 25, 2016. All bid documents and plans were made available electronically to interested parties via Quest Construction Data Network. Bids were opened on March 24, 2016. There were seven plan holders, but the City received only four bids. Morrison Construction Company of Hammond, Indiana was the lowest bidder at \$47,203.00. The second lowest bid was received from Independent Mechanical Industries, Inc. of Chicago, Illinois at \$55,665.00 (see attached bid tabulation sheet).

Although Morrison Construction Company has never worked for the City, Clark Dietz's previous experience with Morrison Construction Company has been positive. CDI has checked references and recommends that the City of West Chicago accept the bid from Morrison Construction Company in the amount of \$47,203.00.

Within the Fiscal Year 2016 Sewer Fund budget (i.e., Plant Equipment Replacement Program (05-34-45-4806), \$40,000.00 has been budgeted for improvements to Wastewater Treatment Plant's digester gas piping. Adequate funds are available in the Sewer Fund budget to cover the additional \$7,203.00.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0021 authorizing the Mayor to execute a Contract with Morrison Construction Company of Hammond, Indiana, for an amount not to exceed \$47,203.00, for construction services related to the Digester Gas Pipe Replacement Project at the City's Regional Wastewater Treatment Plant.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0021

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH MORRISON CONSTRUCTION
COMPANY FOR CONSTRUCTION SERVICES RELATED TO THE
DIGESTER GAS PIPE REPLACEMENT PROJECT
AT THE CITY'S REGIONAL WASTEWATER TREATMENT PLANT**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract Agreement for Construction Services related to the Digester Gas Pipe Replacement Project at the City's Regional Wastewater Treatment Plant, between the City of West Chicago and Morrison Construction Company, for an amount not to exceed \$47,203.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 18th day of April, 2016.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith



March 30, 2016

Robert Flatter, P.E.
Director of Public Works
City of West Chicago
475 Main Street
West Chicago, IL 60185
(630) 293-2255

Re: Bid Recommendation Letter
Digester Gas Pipe Replacement
CDI Project No. W0160082

Dear Mr. Flatter:

Bids for the Digester Gas Pipe Replacement project, in response to the requirements of the Contract Documents dated February 2016, were received on Thursday March 24, 2016 from four general contractors. The following table summarizes the bids received. A detailed comparison is included in the attached Tabulation of Bids.

Contractors	Base Bid
RJ O'Neil, Inc. 1125 S. Lake Street Montgomery, IL 60538	\$56,180
Independent Mechanical Industries, Inc. 4155 N. Knox Avenue Chicago, IL 60641	\$55,665
Morrison Construction Company 1834 Summer Street Hammond, IN 46320	\$47,203
DMI, Inc. 610 S. Arthur Ave. Arlington Heights, IL 60005	\$74,902

No math errors were found in the bids. Morrison Construction Company was the apparent low bidder. The bid was reviewed for responsiveness to the requirements of the contract documents. The bid met all the requirements of Section IV, the bid proposal form.

Clark Dietz's previous experience with this contractor has been positive. In addition, Clark Dietz has checked the references for the listed subcontractors. References we obtained were positive. Therefore, Clark Dietz recommends that the City of West Chicago accept the apparent low bid from Morrison Construction Company.

City of West Chicago, IL
March 30, 2016
Page 2

Please contact us with any questions or comments.

Sincerely,

Clark Dietz, Inc.



Andrea W. Bretl, P.E.
Project Manager

Enclosures

BID TABULATION
FOR BIDS OPENED March 24, 2016
City of West Chicago
Digester Gas Pipe Replacement
CDI Project No. W0160082

Contractor 1				Contractor 2		Contractor 3		Contractor 4	
RJ O'Neil, Inc. 1125 S. Lake Street Montgomery, IL 60538				Independent Mechanical Industries Inc. 4155 N. Knox Avenue Chicago, IL 60641		Morrison Construction Company 1834 Summer Street Hammond, IN 46320		DMI, Inc. 610 S. Arthur Ave. Arlington Heights, IL 60005	
Lump Sum Items				Price in Figures		Price in Figures		Price in Figures	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Item No.	Description	Quantity	Unit						
1	General Requirements	1	LS	\$2,200.00	\$2,200.00	\$9,000.00	\$9,000.00	\$2,455.00	\$2,455.00
2	Selective Demolition	1	LS	\$2,400.00	\$2,400.00	\$3,600.00	\$3,600.00	\$1,746.00	\$1,746.00
3	Drip Trap	1	LS	\$6,100.00	\$6,100.00	\$7,000.00	\$7,000.00	\$10,502.00	\$10,502.00
4	Site Work	1	LS	\$37,544.00	\$37,544.00	\$20,000.00	\$20,000.00	\$11,353.00	\$11,353.00
5	Gas Pipe	1	LS	\$7,936.00	\$7,936.00	\$16,065.00	\$16,065.00	\$21,147.00	\$21,147.00
LUMP SUM AS SHOWN ON BID FORM TOTAL				\$56,180.00		\$55,665.00		\$47,203.00	
CALCULATED BASE BID AMOUNT				\$56,180.00		\$55,665.00		\$47,203.00	
								\$74,902.00	
								\$74,902.00	