

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

**Thursday June 2, 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 May 5, 2016
3. Public Participation / Presentations
4. Items for Consent
 - A. Resolution No. 16-R-0030 – Contract Award – RJN Group, Inc. for Professional Engineering Services for the 2016 Sanitary Sewer Evaluation Program.
 - B. Resolution No. 16-R-0033 – Contract Award – Plote Construction, Inc. for the 2016 Jel Sert II Industrial Park Resurfacing Project.
5. Items for Discussion
6. Unfinished Business
7. New Business
8. Reports from Staff
9. Adjournment

Draft

MINUTES
INFRASTRUCTURE COMMITTEE

May 5, 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, Mark Edwalds, Al Hallett, and John Smith present. Alderman Noreen Ligino-Kubiski was absent.

Staff present included City Administrator Michael Guttman, and Assistant Director of Public Works Tim Wilcox. Also in attendance was Kevin VanDeWoestyne of Thomas Engineering Group, and Tony Standish of Strand Associates, Inc.

2. Approval of Minutes

A. Infrastructure Committee Minutes of April 7, 2016. Alderman Hallett made a motion, seconded by Alderman Smith to approve with changes the Meeting Minutes of April 7, 2016. Voting Yea: Aldermen Smith, Dimas, Beifuss, Hallett and Edwald. Voting Nay: 0.

3. Public Participation / Presentations. None.

4. Items for Consent. Alderman Beifuss requested discussion on Consent Items E, F G, and H. Alderman Dimas made a motion, seconded by Alderman Edwalds to approve:

A. 2016 Asphalt Materials Procurement – DuPage County Joint Purchasing Program – Plote Construction, Inc and,

B. Resolution No. 16-R-0023 – Contract Award – Globe Construction for the 2016 Sidewalk Maintenance Program and,

C. Resolution No. 16-R-0024 – Contract Award – Denler, Inc. for the 2016 Crack Sealing Program and,

D. Resolution No. 16-R-0025 – Contract Award – Chicagoland Paving Contractors, Inc. for the Blair Street Roadway and Water Main Rehabilitation Project.

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

5. Items for Discussion. Items for discussion also include Consent Items 4.E, 4.F, 4.G and 4.H.

4.E. Resolution No. 16-R-0026 – Contract Award – Areatha Construction, Inc. for the A. Eugene Rennels Bridge Concrete and Deck Overlay Project

4.F. Resolution No. 16-R-0027 – Contract Award – Alpha Paintworks, Inc. for the A. Eugene Rennels Bridge Painting Project

4.G. Resolution No. 16-R-0028 – Contract Award – Fence Masters for the A. Eugene Rennels Bridge Railings Project

4.H. Resolution No. 16-R-0029 – Contract Award – Strand Associates, Inc. for Professional Engineering Construction Oversight Services for the A. Eugene Rennels Bridge Rehabilitation Projects

Alderman Beifuss requested discussion of consent items 4.E, 4.F, 4.G, and 4.H. All relate to the A. Eugene Rennels Bridge Rehabilitation Project. He indicated he had questions about timing of the project and questions relating to emergency services during the project. Tim Wilcox indicated that Tony Standish from Strand Associates, Inc. was present to answer questions related to the bridge project.

Alderman Beifuss asked if it would be a complete closure at the bridge for 21 days and also, is there a hard date when the closure would begin. Mr. Standish responded that the closure could be up to 21 days and they will request a schedule from the contractor but they do not have one yet. The goal is to have the work done while school is not in session. Probably the first or second week in June is the earliest the project could start. Alderman Beifuss then asked about notice to the public, what kind of notice and when would notice be given. Mr. Standish responded there is a provision in the contract that the contractor must provide, he believed, a seven day advanced warning in the form of signage at the bridge stating the bridge will be closed with a starting date and for the period of time it would be closed. He also indicated the City could notify the public using the City website and various other social media methods available. Alderman Beifuss offered his opinion that advanced warning for this project should be done well in advance of the seven day notice required by the contractor and notice should also include a notice now indicating this project will be happening this summer (start date to be determined), as well as a printed piece sent later to all households in West Chicago detailing the project and the potential impact it will have. Mr. Guttman indicated the notification process will be trigger once Council approves the bridge rehabilitation project. Once the contractor is scheduled, Public works staff will get together with Rosemary Mackey to work on a series of e-news and press releases and programing an item on the message board. Also, once the contract is approved by council, an early notice can be posted on the City website in the form of a scrolling banner across the top of the home page alerting residents of the project.

Alderman Beifuss also voiced concerns regarding the seven day period of bridge closure allotted to the contractor for the railing replacement portion of the project. The contractor replacing the railing is encouraged but not required to replace the railings during the period of time the bridge is closed

for deck repairs. Alderman Beifuss asked for an explanation for this. Mr. Standish explained it is a timing issue. The railings will take time to fabricate and will likely be ready to install at the tail end of the project possibly after the deck work is complete. Mr. Standish stated during the bidding process he spoke with the two railing contractors planning to bid the job and he recalled both indicated the work would likely involve only a partial closure of the bridge as work will only occur on one side of the bridge at a time. With one lane open, flaggers will be used to regulate traffic around the work. He also indicated that once the old railings are removed it would not affect motoring traffic as there is a concrete parapet or barrier separating the vehicles from the bridge edge. The bridge would be closed to pedestrians until the new railings were installed. Mr. Standish also explained the process of replacing the fencing and requirements for the railings. Railroad standards require the curved design, like that of the existing railing and fencing, which makes it more difficult for someone to climb and/or potentially jump off and also more difficult for someone to throw items off of the bridge.

Alderman Beifuss then asked about the coordination of the project with Police and the Fire Protection District for emergency services. Mr. Standish responded that this coordination effort was initiated last year when the project was first bid as a complete project. He indicated he will again make contact with them and coordinate construction activities. He added that there will only be a handful of days where emergency vehicles could not use the bridge in the event of an emergency situation. These days would be during the period of time the new concrete surface is put in place and final curing. Clarification was made that this would only apply to emergency vehicles and would remain closed to all other traffic. Mr. Guttman added that established procedures require Police units to remain in their specific beats or areas of the City, also the Alliance of the Fire Districts including Wheaton and Winfield could also assist in an emergency if needed. It was also pointed out there are now fire stations strategically located in different areas of the City.

There were no further questions.

Alderman Dimas made a motion seconded by Alderman Smith to approve:

4.E. Resolution No. 16-R-0026 – Contract Award – Areatha Construction, Inc. for the A. Eugene Rennels Bridge Concrete and Deck Overlay Project and,

4.F. Resolution No. 16-R-0027 – Contract Award – Alpha Paintworks, Inc. for the A. Eugene Rennels Bridge Painting Project and,

4.G. Resolution No. 16-R-0028 – Contract Award – Fence Masters for the A. Eugene Rennels Bridge Railings Project and,

4.H. Resolution No. 16-R-0029 – Contract Award – Strand Associates, Inc. for Professional Engineering Construction Oversight Services for the A. Eugene Rennels Bridge Rehabilitation Projects.

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

6. Unfinished Business. None.

7. New Business. City Administrator Michael Guttman announced he had an item of new business. He indicated the item has been included in his monthly report a couple of times previously regarding the City budgeting of \$400,000 for the purpose of building an amphitheater in Reed Keppler Park. He then passed to the committee members an informational packet which includes a summary of the project and a budget. He indicated this is just for informational purposes; it just came across his desk and was not on the agenda so no action is required at this time.

He provided a brief summary of the packet. The budget figure is now \$500,000 in part due to the proposed location where native plantings have now been established by the Park District so there is a question of wetland status and if the Amphitheatre can still be located at the proposed site or if an alternate site must be considered. Also, due to the size of the project The Storm Water Management Ordinance requires Best Management Practices (BMP's) to be established for the project area and would require additional cost to implement. Committee will need to talk as a group and with the Park District to determine if additional funds should be approved to build this type of amphitheater at the proposed location, find another location and/or shrink the size of the project.

Alderman Dimas questioned if the native plants planted by the Park District would really constitute the area as being considered a wetland. Mr. Guttman explained there are two opinions to answer that question, Park District staff believe it would not, City staff believe it may still be considered a wetland area even though it was man made. DuPage County has been contacted for a decision on the matter.

Questions were asked about funding and the original design and projected cost. The source of the funding for the project would be the Public Benefit Fund. The Park District has shared in the cost of the preliminary work and the goal would be that they would take over all operation and maintenance cost and would share programming cost (bring in acts) equally with the City. The project was originally conceived by the City in 2011-2012. It was a small project at a different location and the original estimate of cost was around \$200,000. Since that time the size of the project increased and a different location was chosen.

There were no other questions.

8. Reports from Staff. None.

9. Adjournment. At 7:22 P.M., Alderman Dimas made a motion to adjourn, seconded by Alderman Hallett. Motion was unanimously approved by voice vote.

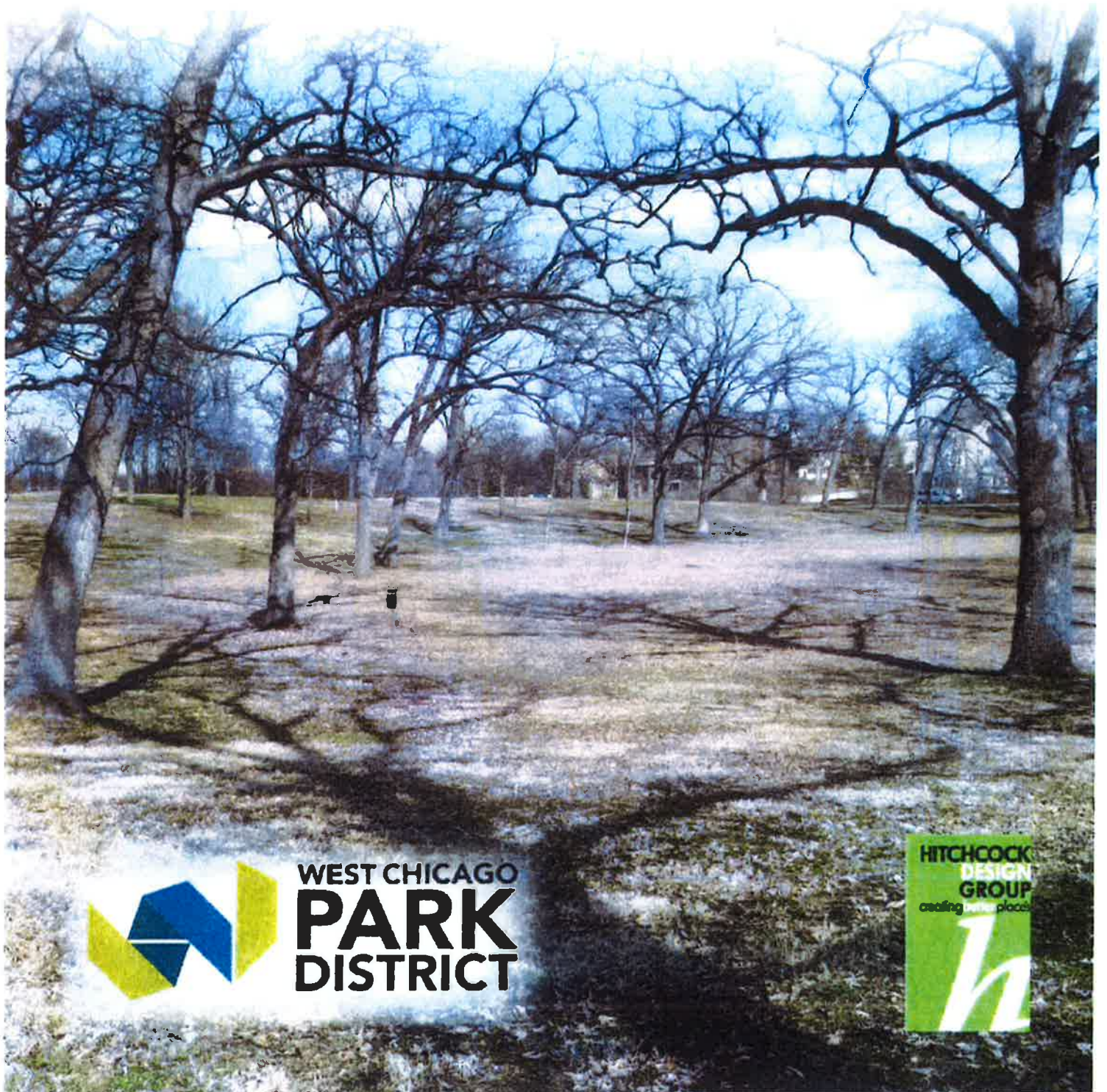
Respectfully submitted,

Timothy R. Wilcox
Assistant Director of Public Works

Reed Keppler Park Music and Arts Venue

129 W. National Street
West Chicago, Illinois 60185

April 29, 2016



WEST CHICAGO
**PARK
DISTRICT**





Executive Summary

West Chicago's Outdoor Music and Arts Venue is a partnership between the City of West Chicago and the West Chicago Park District, and a community-driven, quality of life improvement proposed within the heart Reed Keppler Park. The project was conceived in response to the growing local need for a facility of this type, for local talent to contribute to the cultural-vibe of West Chicago, and to add a unique community setting to celebrate music, drama, food, family and the arts.

West Chicago leadership envisions many types of activities occurring here. Concerts, dance, drama, teaching, festivals, celebrations, services, holiday programs, seasonal shows, and public discussions have been included in a growing list of ideas.

The project make-up consists of a bandshell structure and stage, with connecting walks, set amongst the mature overstory of Reed Keppler Park's east-central woodland. The structure will include a forty by thirty foot stage area, wider in front, narrowing toward the back, covered by a curved barrel-roof, supported by "branch-like" columns, perfectly marrying architectural-style with park-character. Hints of limestone on the columns will complement other limestone features within the park. Electrical outlets and general stage lighting will also be incorporated.

Handicapped accessible routes to the stage will be provided from the existing parking area to the north and will connect to the park's existing trail system, making it easy to park and walk to an event carrying a lawn chair or blanket.

The positioning of the stage area is strategically located near the bottom of an incline and facing west toward Turtle Splash, which creates a natural amphitheater with great spectator views and directs sound toward the center of the park, making the venue neighbor-friendly. Visitors will benefit from the shade of the existing trees and the pastoral feel of the surrounding park, while enjoying the backdrop of colorful prairie plantings behind the stage. Level areas away from the natural amphitheater will serve as nice locations for complementary tents, tables and gathering areas.

Hitchcock Design Group was retained by the agencies to prepare the master plan for this improvement to Reed Keppler Park. The graphics within this booklet support the ideas collected to date from the input provided. Further design, engineering, cost estimating, permitting and documentation will be needed to bid and construct the project. Construction will either occur fall of 2016 or spring of 2017, with the venue opening for initial programming shortly thereafter.

The cost of the project is currently estimated near \$500,000 total, including all anticipated soft-costs and a 20% design, bid and construction contingency. Permitting challenges potentially exist in two areas; one with the overall project size (over 2,500 square feet may invoke a more involved stormwater permitting process) and second, the depressional area near where the venue is located and whether or not this area is considered a jurisdictional wetland with a 50' buffer. Both of these factors will be further vetted during latter phases of the project's design and engineering.

Regardless, West Chicago's Outdoor Music and Arts Venue is positioned well to serve the cultural needs of the community, and promises to expand the reasons to both live and play in West Chicago!

225 W. Jefferson Avenue
Naperville, Illinois 60540
630.961.1787

hitchcockdesigngroup.com



Construction Cost Opinion - 100% Schematic Design / Master Plan

Date: April 29, 2016
 RE: Reed Kepler Park - Outdoor Music
 and Arts Venue

Construction Costs						
Section	Description	Estimated Quantity	Unit	Unit Cost	Extended Cost	Subtotal
0 & 1	Contracting and General Requirements					
	contracting requirements	1	LS	3.0%	\$9,939.00	
00700	general conditions			1.0%		
00800	supplementary conditions			1.0%		
	performance bond			1.0%		
	general requirements	1	LS	3.0%	\$9,939.00	
01140	work restrictions					
01230	alternates					
01250	contract modification procedures					
01270	unit prices					
01290	payment procedures					
01310	project management and					
01320	construction progress documentation					
01330	submittal procedures					
01400	quality requirements					
01420	references					
01500	temporary facilities and controls					
01600	product requirements					
01700	execution requirements					
01731	cutting and patching					
01770	closeout procedure					
	layout	1	LS	1.0%	\$3,313.00	
Contracting and General Requirements Subtotals :					\$	23,191
033000	Cast-in-Place Concrete					
	band shell footings	4	EA	\$ 1,000	\$ 4,000	
	concrete retaining wall (back side)	6	CY	\$ 700	\$ 4,200	
Section Subtotal:					\$	8,200

042000 Unit Masonry

CMU core - columns	1,200	SFF	\$	30	\$	36,000
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Section Subtotal:	\$	36,000
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044300 Stone Masonry

stone veneer - columns	1,200	SFF	\$	35	\$	42,000
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stone column caps	4	EA	\$	1,500	\$	6,000
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Section Subtotal:	\$	48,000
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129300 Site Furnishings

trash receptacle	2	EA	\$	800	\$	1,600
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Section Subtotal:	\$	1,600
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129300 Playfield Equipment and Structures

band shell (40'x30' Arch Glu-lam w/metal roof, quad columns)	1	EA	\$	123,000	\$	123,000
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band shell (installation)	1	LS	50%	\$	61,500
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Section Subtotal:	\$	184,500
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265600 Exterior Lighting

electrical service to band shell	1	LS	\$	12,000	\$	12,000
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band shell (roof - can lights)	1	LS	\$	5,000	\$	5,000
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Section Subtotal:	\$	17,000
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311000 Site Clearing

silt fence	300	LF	\$	3	\$	900
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tree protection	300	LF	\$	4	\$	1,200
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Section Subtotal:	\$	2,100
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312000 Earth Moving

on-site balanced earthwork	130	CY	\$	40	\$	5,200
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Section Subtotal:	\$	5,200
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321313 Concrete Paving and Curbs

concrete paving (stage) - roughly 40'x30' w/extended curved front	1,240	SF	\$	8	\$	9,920
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concrete (ADA path)	2,160	SF	\$	8	\$	17,280
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Section Subtotal:	\$	27,200
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329200 Turf and Grasses

seed	500	SY	\$	1.50	\$	750
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erosion control blanket	500	SY	\$	1.50	\$	750
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Section Subtotal:	\$	1,500
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329200 Plants

ornamental trees	6	EA	\$	500	\$	3,000
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Section Subtotal:	\$	3,000
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Construction Cost Subtotals:	\$	331,300
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Total Construction Cost Subtotals:	\$	354,491
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Other Project Costs

design contingency (%)	1	LS	10%	\$	35,449
bid contingency (%)	1	LS	5%	\$	17,725
construction contingency (%)	1	LS	5%	\$	17,725
construction testing services	1	LS	\$	5,000	\$ 5,000
Subtotal:					\$ 75,898

Design and Engineering

program and analysis, schematic	1	LS	\$	18,600	\$ 18,600
soil boring	1	LS	\$	2,500	\$ 2,500
topographic survey pf project area	1	LS	\$	6,000	\$ 6,000
wetland delineation, jurisdictional determination	1	LS	\$	6,000	\$ 6,000
construction documentation, (including civil, electrical, and structural engineering), permitting, bidding and construction phase	1	LS	12%	\$ 42,539	
Subtotal:					\$ 75,639

PROJECT TOTAL: \$ 506,028

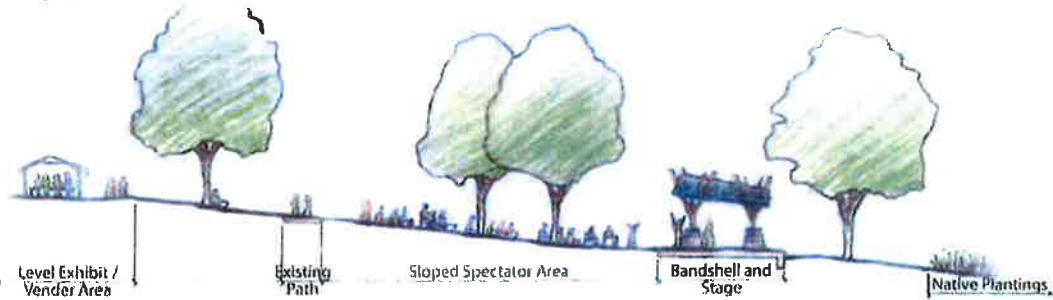


West Chicago, Illinois





View Toward Stage (Looking South-East)



Venue Character

Reed Keppler Park Music and Arts Venue

West Chicago, Illinois

West Chicago
Park District

PLACED APRIL 10, 2019
10:00 AM - 10:30 AM
10:30 AM - 11:00 AM
11:00 AM - 11:30 AM



Bandshell Character - Barrel Roof, Custom Metal Supports, Limestone Wrapped Columns



Option for Shelter with Branched Columns



Limestone Veneer Column Wrap - Match to Existing WPA Shelters



Bandshell Character **Reed Keppler Park Music and Arts Venue** West Chicago, Illinois

West Chicago
 Park District

ISSUED DATE: 07/09/16, 2016
 1.5' x 11' (horizontal) or 11' x 17' (vertical) sheet size
 1/8" = 1' (vertical) or 1/8" = 1' (horizontal)
 1/8" = 1' (vertical) or 1/8" = 1' (horizontal)

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0030 - Contract Award – RJN Group, Inc.
for the 2016 Sanitary Sewer Evaluation Program

AGENDA ITEM NUMBER: 4.A.

COMMITTEE AGENDA DATE: June 2, 2016

COUNCIL AGENDA DATE: June 6, 2016

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

SIGNATURE 

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

As a continuation of the Sanitary Sewer Evaluation Program started in 2010, City staff approached RJN Group, Inc. (RJN) and requested a cost proposal for the 2016 Sanitary Sewer Evaluation Program. Areas prioritized for this year's Program includes the Alta Vista Subdivision. The 2016 program area is generally described as the area between Town Road and Pearl Road, and between Washington Street and Illinois Route 38 (Roosevelt Road), including the section of sanitary sewer that lies under the REF site. See attached location map for additional clarification. The data collected will then be used to develop a cost effective correction plan for implementation in FY 2017.

For a not to exceed amount of \$144,610.00, RJN will conduct manhole mapping and inspections, smoke testing, wet weather investigations, cleaning and televising, and dye testing of the sanitary collection system tributary to the locations noted above.

Within the Fiscal Year 2016 Sewer Fund, Sewer Main Repairs (05-34-43-4410), adequate funds have been budgeted for this Evaluation Program.

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0030 authorizing the Mayor to execute a Contract with RJN Group, Inc. for an amount not to exceed \$144,610.00, for Professional Services related to the 2016 Sanitary Sewer Evaluation Program.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0030

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT AGREEMENT WITH RJN GROUP, INC. FOR SERVICES RELATED TO THE 2016 SANITARY SEWER EVALUATION 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 Sanitary Sewer Evaluation Program, between the City of West Chicago and RJN Group, Inc., for an amount not to exceed \$144,610.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 6th day of June, 2016.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

May 31, 2016

Mr. Robert Flatter, P.E.
Director of Public Works
City of West Chicago
475 Main Street
West Chicago, Illinois 60185

**SUBJECT: PROPOSAL FOR 2016 SANITARY SEWER EVALUTATION SURVEY
 ALTA VISTA AND ALTA VISTA SOUTHEAST**

Dear Mr. Flatter:

RJN Group, Inc. (RJN) is pleased to submit this proposal to provide Professional Engineering Services to assist the City of West Chicago (City) in reducing inflow and infiltration (I/I) in the sanitary sewer system.

PROJECT UNDERSTANDING AND APPROACH

RJN Group completed a flow monitoring study of the City's sanitary sewer system in 2009. The report from this study included multiple recommendations for further steps the City could take to reduce I/I in the sanitary system. This I/I reduction can significantly reduce the needed capital expenditures at the City's Wastewater Treatment Plant (WWTP).

The recommendations in that initial report divided the City into prioritized areas based on the amount of I/I entering the system. RJN has completed Sanitary Sewer Evaluation Surveys (SSES) of the areas identified to be top or high priority (areas tributary to Sanitary Lift Stations 1, 4, 5, 7, 9 and 12).

In the last couple of years, RJN surveyed a large portion of the City that was identified as medium priority. This included older parts of the City that flow by gravity to the WWTP. Based on discussions with City staff, it was determined that the 2016 SSES projects would be focused on the Alta Vista neighborhood and surrounding area. The proposed 2016 SSES areas are shown on the attached exhibit. The scope of this proposal is to perform a comprehensive SSES of these areas similar to the work previously completed.

This SSES will consist of the following components:

- Manhole Surveying and Inspections – Each manhole will be located by either survey grade GPS or terrestrial survey equipment with a new manhole number assigned. The task of locating and

numbering manholes will be completed and approved by the City prior to starting the remaining tasks. The numbering system established in 2010 will be utilized.

Surface inspection of the manholes will be provided to identify frame and lid defects and other structural defects in the manhole. Manhole/pipe sizes, materials and inverts will also be collected. A full confined space entry investigation may be completed for the following reasons:

- Manhole is too deep to observe the bench and trough
- Portions of the manhole are not visible from the surface
- Significant defects are observed that require further investigation

It is estimated that 10% of the manholes will require full confined space entry. All RJN field technicians are fully trained and certified for confined space entry.

- Smoke Testing – Smoke testing identifies improper connections into the system as well as sewer, manhole and service lateral defects. Smoke is blown into a sewer segment through manholes at both ends. Defects are identified by where smoke exits the ground or structure. RJN typically utilizes a single 4-person crew and smoke tests only one segment at a time with two smoke blowers, one on each manhole at the ends of the segment. Sand bags are used where practicable to minimize smoke entering other segments.
- Wet Weather Investigations – The volume of water that can enter through a system defect is as critical as the defect type, size and location. During wet weather events, RJN will conduct further investigations (general reconnaissance, manhole inspections and camera) of these areas to gather additional information on the areas that are most prone to I/I.
- Sanitary Sewer Cleaning and Televising – Each sewer segment will be cleaned and televised to determine the structural integrity of the pipe. The televising will focus on visible sources of I/I and service connections. The inspection and associated pipe rating will follow the Pipeline Assessment and Certification Program (PACP) standards developed by the National Association of Sewer Service Companies (NASSCO).
- Dye Testing - Dye testing is used to confirm direct and indirect improper connections to the sanitary sewers found by smoke testing. The exact number of locations requiring dye testing is not known until the smoke testing has been completed. This proposal is based on two full days of dye testing.
- On Call Services – These services include looking at other areas of town, assisting with emergency backups, review of previous televising records which will all be provided as “on call” sewer services to the City at a T&M rate. Services include but are not limited to; onsite investigations for other areas, checking sewer backups, pulling old video files for review, GIS

mapping or updates and general field reconnaissance.

SCOPE OF SERVICES

Our proposed scope of work is as follows:

Task 1A – Manhole Mapping and Numbering

1. Complete survey grade (sub-centimeter x, y and z coordinates) locate of the rim for each accessible manhole in the project area.
2. Notify the City of manholes that were not found. Complete survey for manholes located/unburied.
3. Utilize the collected location data to update the City GIS map of the manholes in the project area.
4. Assign manhole numbers to each manhole located or identified but unable to locate.
5. Submit a GIS map showing each manhole located with its newly assigned manhole number. The manholes numbers will be utilized for the field logs and reports developed as part of the remaining tasks described below.

Task 1B – Manhole Inspections

1. Utilize electronic data collection equipment for the manhole inspections.
2. Complete surface manhole inspections for approximately 92 manholes (contingent on accessibility). Identify and document manhole defects. Take at least one manhole “area” picture, one picture of the frame and cover, and at least one “top down” picture at each manhole.
3. Obtain the invert elevations for each manhole. Where different, obtain invert elevation at each connecting sewer pipe. If manhole is offset, brackets/extending arms will be utilized to determine elevations.
4. Collect the following additional data when it can be determined from the surface:
 - Manhole diameter
 - Manhole material
 - Connecting sewer diameter(s)
 - Connecting sewer material(s)
5. If a manhole is greater than 12 feet deep, part of the manhole is not visible or I/I is visible near the manhole bench, a full entry inspection will be completed to supplement the data collected. It is assumed that 10% of the manholes will be in this category.

Task 2 – Smoke Testing

1. Prepare a draft resident smoke testing notification letter for the City to send to the affected residents and business owners. These letters will include RJN contact information if necessary during smoke testing. These letters will be in English on one side and in Spanish

on the other side.

2. Prepare smoke testing door hangers that RJN staff will hang at each address less than one week prior to smoke testing. These door hangers will also include RJN contact information. These door hangers will be in English on one side and in Spanish on the other side.
3. Notify the local fire and police department of planned smoke testing activities, including daily updates. Answer resident/owner field and phone questions.
4. Provide equipment and smoke canisters necessary for smoke testing.
5. During smoke testing, erect smoke testing signs near the testing area.
6. Utilize electronic data collection equipment for smoke testing.
7. Smoke test approximately 23,458 linear feet of sanitary sewers. GPS locate (mapping grade) each identified defect and take at least one digital picture of each defect.

Task 3 – Wet Weather Investigations

1. Complete the following wet weather investigations during at least two rain events in flood prone areas within the project area:
 - Complete a general reconnaissance on the extent of flooding and storm flows.
 - Take camera video from nearest accessible manhole of river/creek crossings or surface flooding above sanitary sewer.
 - Complete at least five (5) supplementary surface manhole inspections for additional I/I observations focusing on areas closer to flood prone area or manholes exhibiting I/I during inspection.

Task 4 – Sanitary Sewer Cleaning and Televising

1. Provide light cleaning of approximately 23,458 linear feet of sanitary sewer.
2. Obtain water for cleaning at a location to be determined by the City.
3. Provide root cutting/heavy cleaning as necessary of 23,458 linear feet of sanitary sewer. Eight (8) hours has been included in the base proposal. Additional time will be invoiced on an hourly basis.
4. Dispose of waste from heavy cleaning. Eight (8) tons has been included in the base proposal. Additional waste disposal will be invoiced on a per ton basis.
5. No protruding tap removal is provided with this proposal. If protruding tap removal is required it can be invoiced on an hourly basis.
6. Televising of 23,458 linear feet of sanitary sewer with color camera, collecting the data in digital format following NASSCO PACP standards.
7. Onsite coordination and supervision of the sub-contractor. RJN will coordinate cleaning and televising operations with the sub-contractor and the City.
8. Part time inspection with the sub-contractor includes roughly (2-4) hours per day onsite while cleaning and televising operations are being conducted.
9. Providing traffic control for the portions of work near Main St.
10. Office review of 23,458 linear feet of sewer video (by RJN) to include the following:

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Mr. Robert Flatter, P.E.

May 31, 2016

- Mapping of pipes by PACP grade condition rating
- Review of all television inspection with particular attention paid to sewers with PACP Grade 5 (immediate attention) or 4 (poor) defects
- Assessment and recommendations as follows:
 - Rehabilitation by point repair
 - Rehabilitation by lining
 - Watch list (pipe currently in fair condition but should be re-inspected in five years)
 - Pipe in good condition – no follow-up required

Task 5 – Dye Testing

1. Based on the results of the smoke testing, provide a list of proposed dye testing locations with reason for testing.
2. Provide dye testing equipment
3. Set up and complete dye testing
4. Provide subcontractor for televising during dye testing

Note: The number of dye set-ups required is dependent on smoke identified defects requiring follow up. This will not be known until after smoke testing has been completed and the dye testing list developed. The associated fee is an estimate based on a two days of dye testing.

Task 6 – Data Analysis and Report

1. Data Analysis
 - Compile field data and develop complete list of defects
 - Assign an estimated flow to each defect & an estimated cost for rehabilitation
2. Report
 - Summary of work completed & GIS map of identified defects
 - List of defects prioritized by cost effectiveness for rehabilitation
 - Recommendations for rehabilitation, including potential procurement methods and recommended contractors/vendors for various type of rehabilitation
3. Submittals
 - Submit one color copy and pdf of an initial draft report for review by the Public Works Director
 - Address City comments and submit up to 3 color copies and pdf of a full draft report for City Administrator review
 - Address City comments and submit up to 10 color copies of final report
 - Provide one digital copy of final report files, data, video and photos

Task 7 – “On Call” Miscellaneous Sewer Services

1. Provide on call sewer services to the City on a time and material basis. Services include but are not limited to site investigations, checking sewer backups, pulling old video files for review, GIS mapping, general field reconnaissance etc.
2. These T&M on call sewer services will only be used on an as needed basis and where directed to be used and approved by City staff.

Task 8 – Project Management and Meetings

1. Provide project management services for the duration of the project.
2. Attend up to five meetings with the City
3. Attend one meeting with fire department and other agencies impacted by the smoke testing program.

ITEMS REQUESTED FROM WEST CHICAGO

We request the following items from the City:

1. Finalize the draft smoke testing letters and send to the businesses and residents in the study area.
2. Locate or uncover manholes not found.
3. Provide water at no cost at approved locations near the study area for cleaning/televising and dye testing.
4. Provide a location for up to three televising contractor vehicles to be parked overnight.

SCHEDULE

The following schedule is based on a notice to proceed by June 20, 2016. Pending weather suitable for the wet weather investigations, the field work will be completed by the end of December 2016. The initial draft report will be provided by February 28, 2017. The full draft report and the final report will be submitted within one month after receipt of City comments.

PROPOSED FEE

This work will be billed on a time and material basis using the enclosed fee schedule with a not-to-exceed maximum billing of \$144,610.

This not-to-exceed maximum includes 8 hours of heavy sewer cleaning. If additional heavy cleaning is required, it will be invoiced beyond the contract maximum at \$385 per hour. This not-to-exceed maximum also includes disposal of 8 tons of waste from heavy cleaning. If additional waste disposal is required, it will be invoiced beyond the contract maximum at \$117 per ton. If removal of mineral

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deposits or removal of protruding taps are required, this task will be invoiced beyond the contract maximum at \$385 per hour. The City will be notified if these additional tasks are required.

The dye testing (Task 5) fee is an estimate. RJN will provide the City with a recommended dye testing list under Task 5001. Pricing includes only two days of dye testing. If the recommended follow up list provided requires more than two days of work, additional dye testing costs can be negotiated further at that time.

Feel free to contact me at 630-682-4700 x 314 if you would like to discuss this proposal. We are looking forward to the opportunity to continue our work with the City on this important project.

Sincerely,

RJN Group, Inc.



Michael N. Young, P.E.
Principal



Joseph Sullivan
Project Manager

Enclosure: Summary of Costs, Study Area Exhibit

City of West Chicago
2016 SSES - OPTION B (Alta Vista & Alta Vista Southeast)
Estimated Level of Effort

LABOR AND DIRECT COSTS

Task No.	Task Description	180 QC	160 PM	105 PE	95 ET	70 FT	60 CL	Total Hours	Total Cost
Task 1 - Manhole Surveying and Inspection									
1001	GPS Survey, Mapping and Numbering (~92 MHs)	1	3	4	8	32	2	50	\$4,200
1002	Surface Inspections (~83 MHs)	1	3	4	8	68	4	88	\$6,840
1003	Additional Full Entry MH Inspections (~9 MHs)			2	2	4	20	2	\$2,430
1004	GPS Charges								\$1,500
1005	Printing, Mileage and Other Expenses								\$300
Subtotal		2	8	10	20	120	8	168	\$15,270
Task 2 - Smoke Testing									
2001	Public Relations			3		4	18	4	\$2,360
2002	Smoke Testing (~23,458 lf)	2	6	10	16	180	8	222	\$16,970
2003	Smoke Canisters								\$1,500
2004	Printing, Mileage and Other Expenses								\$350
Subtotal		2	9	10	20	198	12	251	\$21,180
Task 3 - Wet Weather Investigations									
3001	Investigations (2 days)			2	4	12		20	\$3,280
3002	Mileage and Other Expenses								\$100
Subtotal		0	2	4	12	20	0	38	\$3,380
Task 4 - Cleaning and Televising									
4001	Light cleaning and TV inspection (~23,458 feet @ \$1.72/ft)								\$40,348
4002	Heavy cleaning (Estimated 8 hours @ \$385/hour)								\$3,080
4003	Heavy cleaning disposal (Estimated 8 tons @ \$117/ton)								\$936
4004	Traffic Control								\$1,150
4005	Coordination with Subcontractor (Onsite - Part time)			10	56	4		1	\$7,920
4006	Coordination and Review of Television inspection (RJN)	2	4	12	40		2	60	\$6,180
Subtotal		2	14	68	44	0	3	131	\$59,614
Task 5 - Dye Testing									
5001	Prepare list and maps of recommended dye testing locations (RJN)		1	4	6			11	\$1,150
5002	Complete dye testing (Two days planned - RJN)		1	4	12	20	1	38	\$3,180
5003	TV assistance during dye testing								\$4,650
Subtotal		0	2	8	18	20	1	49	\$8,980
Task 6 - Data Analysis and Report									
6001	Data Processing and Analysis	1	4	8	40	4	1	58	\$5,800
6002	Initial Draft Report	1	6	14	80	2	4	107	\$10,590
6003	Full Draft Report	1	4	8	36		4	53	\$5,320
6004	Final Report and Electronic Deliverables	1	3	6	28		4	42	\$4,190
6005	Printing and Other Expenses								\$516
Subtotal		4	17	36	184	6	13	260	\$26,416
Task 7 - Miscellaneous Sewer Services (As Needed)									
7001	Field Services - Investigations		4	8	4	2		18	\$2,000
7002	Engineering Services	1	4	6	4	3		18	\$2,040
Subtotal		1	8	14	8	5	0	36	\$4,040
Task 8 - Project Management									
8001	Meetings and Project Management	6	24	6			3	39	\$5,730
Subtotal		6	24	6	0	0	3	39	\$5,730

Not-to-Exceed Total - Tasks 1-8: \$144,610

UNIT PRICE TASK AND RATE

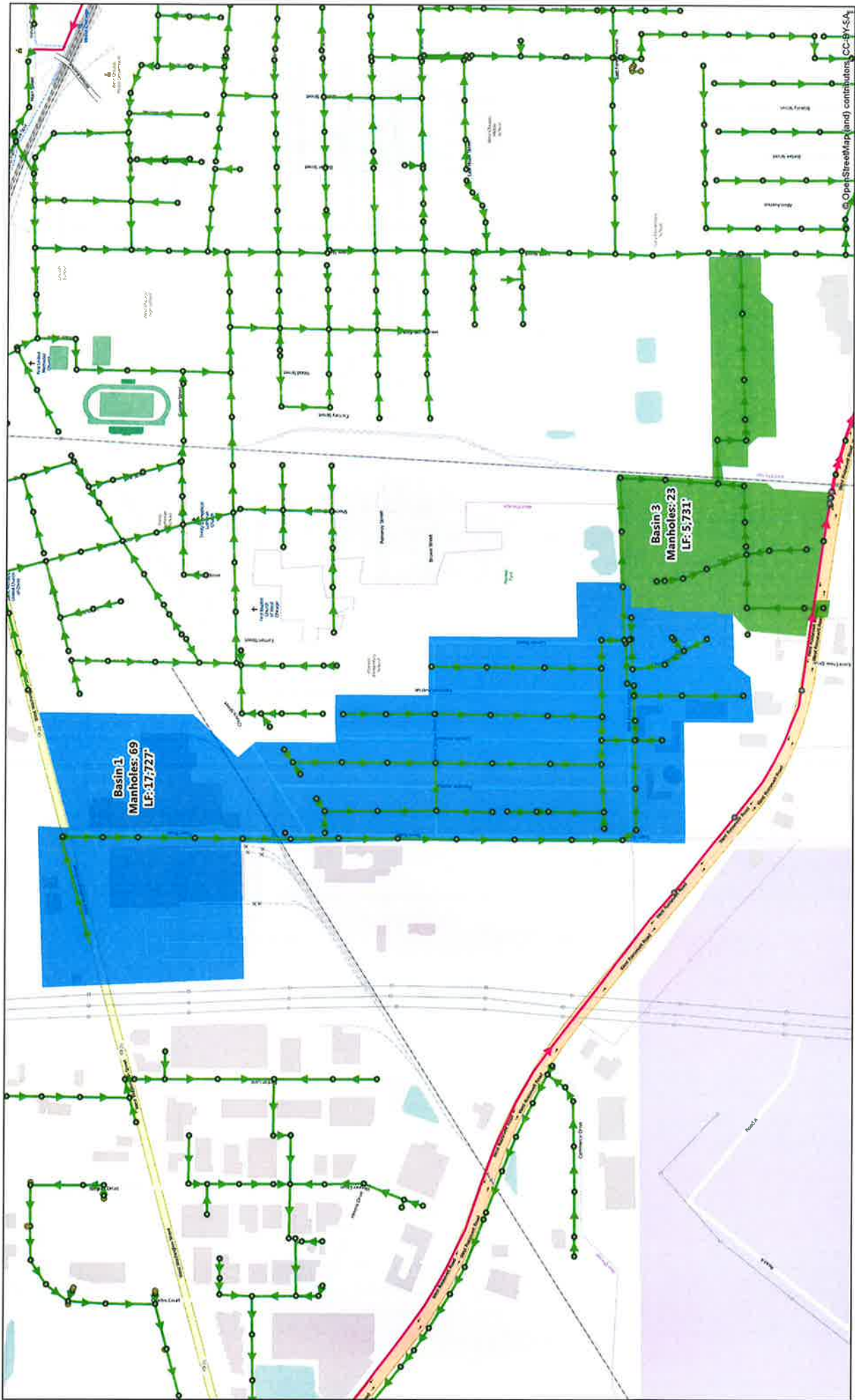
Task 4 - Cleaning and Televising

4002 Heavy Cleaning/Root Cutting (beyond 8 hours) - Unit Cost Rate of \$385/hour

4003 Heavy Cleaning Disposal (beyond 8 tons) - Unit Cost Rate of \$117/ton

4007 Cleaning mineral deposits or cutting protruding taps - Unit Cost Rate of \$385/hour

PD Project Director
PM Project Manager
PE Project Engineer
ET Engineering Technician
FT Field Technician
CL Clerical



CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 16-R-0033 - Contract Award – 2016 Jel Sert II Industrial Park Resurfacing Project

AGENDA ITEM NUMBER: 4.B.

COMMITTEE AGENDA DATE: June 2, 2016

COUNCIL AGENDA DATE: June 6, 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 Jel Sert II Industrial Park Resurfacing Project, as prepared by the City's engineering consultant Thomas Engineering Group (TEG), consists of the resurfacing of Charles Court, Wegner Drive, and Helena Drive, located within an industrial park complex south of West Washington Street. The project's significant improvements include pavement milling and resurfacing, full-depth pavement patching, and intermittent curb and gutter removal and replacement. The work also includes, but is not limited to, thermoplastic pavement markings, drainage and utility structure adjustment, and all incidental and collateral work necessary to complete the project as shown on the project plans and detailed in the project specifications.

The request for bids was advertised in the Daily Herald on May 3, 2016, and bids were opened on May 24, 2016. There were seven plan holders and the City received five bids with Plote Construction, Inc. of Hoffman Estates, Illinois submitting the lowest responsible bid of \$453,072.00. The second lowest bid was submitted by Geneva Construction Company of Aurora, Illinois for \$485,872.20. The engineer's estimate of probable cost was \$649,957.00 (see attached bid tabulation sheets for additional clarification).

Plote Construction performed work similar for the City in 2012 for the Washington Street Pavement Rehabilitation Project. TEG also called several of Plote's project references and spoke directly with for the Village of Carol Stream and the City of Elgin. Both provided satisfactory references and recommended Plote for future work. Plote Construction, Inc. is registered by the Illinois Department of Transportation as a prequalified contractor.

The cost of this project will be paid using Capital Projects Fund where \$1,522,000.00 has been budgeted for street improvements in 2016.

It is staff's recommendation that a contract be awarded to Plote Construction, Inc. of Hoffman Estates, Illinois, for the 2016 Jel Sert II Industrial Park Resurfacing Project, in an amount not to exceed \$453,072.00.

ACTIONS PROPOSED:

Approve Resolution No. 16-R-0033 authorizing the Mayor to execute a Contract with the lowest responsible bidder, Plote Construction, Inc. of Hoffman Estates, Illinois, in an amount not to exceed \$453,072.00 for the 2016 Jel Sert II Industrial Park Resurfacing Project.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 16-R-0033

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH PLOTE CONSTRUCTION, INC.
FOR SERVICES RELATED TO THE 2016 JEL SERT II
INDUSTRIAL PARK RESURFACING PROJECT**

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 Jel Sert II Industrial Park Resurfacing Project, between the City of West Chicago and Plote Construction, Inc., for an amount not to exceed \$453,072.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 6th day of June, 2016.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

Jel Sert II Industrial Park Resurfacing Project Bid Opening: May 24, 2016 @ 2:00 P.M.				Engineer's Estimate		PLOTE CONSTRUCTION, INC. 1100 Brandt Drive Hoffman Estates, IL 60192		GENEVA CONSTRUCTION COMPANY P.O. Box 998 Aurora, IL 60507-0998		JOHNSON PAVING 1025 East Addison Court Arlington Heights, IL 60005		BUILDERS PAVING, LLC 4413 Roosevelt Rd., Suite 108 Hillside, IL 60162		LORUSSO CEMENT CONTRACTORS, INC. 1090 Carolina Dr. West Chicago, IL 60185	
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL
1	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	38	\$30.00	\$1,140.00	\$110.00	\$4,180.00	\$43.00	\$1,634.00	\$100.00	\$3,800.00	\$145.00	\$5,510.00	\$40.00	\$1,520.00
2	AGGREGATE (PRIME COAT)	TON	40	\$1.00	\$40.00	\$1.00	\$40.00	\$0.01	\$0.40	\$1.00	\$40.00	\$0.03	\$1.20	\$42.00	\$1,680.00
3	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	18	\$300.00	\$5,400.00	\$75.00	\$1,350.00	\$395.00	\$7,110.00	\$150.00	\$2,700.00	\$250.00	\$4,500.00	\$290.00	\$5,220.00
4	LEVELING BINDER (MACHINE METHOD), N50	TON	1,055	\$85.00	\$89,675.00	\$62.00	\$65,410.00	\$63.00	\$66,465.00	\$58.00	\$61,190.00	\$63.00	\$66,465.00	\$74.30	\$78,386.50
5	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	154	\$7.00	\$1,078.00	\$16.00	\$2,464.00	\$4.00	\$616.00	\$5.00	\$770.00	\$12.00	\$1,848.00	\$9.10	\$1,401.40
6	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,180	\$80.00	\$174,400.00	\$53.00	\$115,540.00	\$56.00	\$122,080.00	\$54.50	\$118,810.00	\$56.50	\$123,170.00	\$70.50	\$153,690.00
7	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,453	\$80.00	\$116,240.00	\$56.00	\$81,368.00	\$60.00	\$87,180.00	\$58.50	\$85,000.50	\$63.00	\$91,539.00	\$80.00	\$116,240.00
8	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	100	\$83.00	\$8,300.00	\$59.00	\$5,900.00	\$80.00	\$8,000.00	\$98.00	\$9,800.00	\$102.00	\$10,200.00	\$64.00	\$6,400.00
9	DRIVEWAY PAVEMENT REMOVAL	SQ YD	100	\$15.00	\$1,500.00	\$20.00	\$2,000.00	\$10.00	\$1,000.00	\$22.00	\$2,200.00	\$22.00	\$2,200.00	\$19.00	\$1,900.00
10	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	50	\$100.00	\$5,000.00	\$45.00	\$2,250.00	\$100.00	\$5,000.00	\$76.50	\$3,825.00	\$126.50	\$6,325.00	\$95.50	\$4,775.00
11	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	200	\$90.00	\$18,000.00	\$40.00	\$8,000.00	\$82.00	\$16,400.00	\$76.50	\$15,300.00	\$99.00	\$19,800.00	\$95.50	\$19,100.00
12	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	300	\$80.00	\$24,000.00	\$35.00	\$10,500.00	\$76.00	\$22,800.00	\$76.50	\$22,950.00	\$88.00	\$26,400.00	\$90.00	\$27,000.00
13	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	300	\$70.00	\$21,000.00	\$33.00	\$9,900.00	\$70.00	\$21,000.00	\$76.50	\$22,950.00	\$80.50	\$24,150.00	\$90.00	\$27,000.00
14	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM B, 24 INCH	FOOT	3,808	\$3.50	\$13,328.00	\$2.75	\$10,472.00	\$2.00	\$7,616.00	\$3.00	\$11,424.00	\$3.25	\$12,376.00	\$1.60	\$6,092.80
15	MANHOLE LID ADJUSTING RINGS (SPECIAL)	EACH	7	\$200.00	\$1,400.00	\$300.00	\$2,100.00	\$200.00	\$1,400.00	\$300.00	\$2,100.00	\$350.00	\$2,450.00	\$415.00	\$2,905.00
16	EXISTING FRAMES AND LIDS TO BE ADJUSTED	EACH	2	\$350.00	\$700.00	\$500.00	\$1,000.00	\$385.00	\$770.00	\$500.00	\$1,000.00	\$780.00	\$1,560.00	\$415.00	\$830.00
17	CHANGEABLE MESSAGE SIGN, [FOURTEEN (14) DAY DURATION]	EACH	4	\$1,500.00	\$6,000.00	\$600.00	\$2,400.00	\$600.00	\$2,400.00	\$600.00	\$2,400.00	\$600.00	\$2,400.00	\$1,800.00	\$7,200.00
18	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88	\$25.00	\$2,200.00	\$30.00	\$2,640.00	\$32.00	\$2,816.00	\$20.50	\$1,804.00	\$30.00	\$2,640.00	\$8.50	\$748.00
19	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	\$1,000.00	\$10,000.00	\$500.00	\$5,000.00	\$150.00	\$1,500.00	\$500.00	\$5,000.00	\$500.00	\$5,000.00	\$500.00	\$5,000.00
20	BITUMINOUS MATERIALS (PRIME COAT), SPECIAL	GALLON	1,730	\$1.00	\$1,730.00	\$3.30	\$5,709.00	\$0.01	\$17.30	\$2.35	\$4,065.50	\$0.01	\$17.30	\$3.00	\$5,190.00
21	HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	17,302	\$3.00	\$51,906.00	\$3.00	\$51,906.00	\$3.50	\$60,557.00	\$2.75	\$47,580.50	\$4.00	\$69,208.00	\$3.20	\$55,366.40
22	CATCH BASINS TO BE ADJUSTED WITH NEW FRAME AND GRATE	EACH	6	\$1,200.00	\$7,200.00	\$700.00	\$4,200.00	\$725.00	\$4,350.00	\$700.00	\$4,200.00	\$815.00	\$4,890.00	\$760.00	\$4,560.00
23	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$25,000.00	\$25,000.00	\$19,300.00	\$19,300.00	\$4,150.00	\$4,150.00	\$31,630.00	\$31,630.00	\$2,675.00	\$2,675.00	\$12,000.00	\$12,000.00
24	DRIVEWAY APPROACH REMOVAL & REPLACEMENT	SQ YD	67	\$75.00	\$5,025.00	\$110.00	\$7,370.00	\$41.50	\$2,780.50	\$90.00	\$6,030.00	\$104.00	\$6,968.00	\$50.00	\$3,350.00
25	AGGREGATE SUBGRADE 12"	SQ YD	340	\$25.00	\$8,500.00	\$1.40	\$476.00	\$13.65	\$4,641.00	\$1.00	\$340.00	\$1.00	\$340.00	\$12.50	\$4,250.00
26	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,111	\$45.00	\$49,995.00	\$27.00	\$29,997.00	\$29.00	\$32,219.00	\$35.50	\$39,440.50	\$39.50	\$43,884.50	\$32.00	\$35,552.00
27	DRAINAGE & UTILITY STRUCTURE ADJUSTMENT (SPECIAL)	EACH	2	\$600.00	\$1,200.00	\$800.00	\$1,600.00	\$685.00	\$1,370.00	\$800.00	\$1,600.00	\$610.00	\$1,220.00	\$1,200.00	\$2,400.00
BID TOTAL			As Corrected As Read		\$649,957.00		\$453,072.00 \$453,072.00		\$485,872.20 \$485,872.20		\$507,950.00 \$507,950.00		\$537,737.00 \$537,737.00		\$589,757.10 \$588,389.10