

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

**Thursday, March 1, 2018
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 February 1, 2018
3. Public Participation / Presentations
4. Items for Consent
 - A. Resolution No. 18-R-0014 - Contract Award – Denler, Inc. for the 2018 Crack Sealing Program
 - B. Resolution No. 18-R-0015 – Contract Award – Emerald Tree Care, LLC for the 2018 Emerald Ash Borer Insecticidal Treatment Program
 - C. Resolution No. 18-R-0016 - Contract Award – Schroeder Asphalt Services, Inc. for the 2018 Elm Road Rehabilitation Project
 - D. Resolution No. 18-R-0017 - Contract Award – Christopher B. Burke Engineering, Ltd. for Phase II Engineering Design Services Related to the 1350 W. Hawthorne Lane Salt Storage Facility Project
 - E. Resolution No. 18-R-0018 – Contract Award – Kramer Tree Specialist, Inc. for the 2018 thru 2020 Citywide Monthly Brush Collection Program
 - F. Unleaded and Diesel Fuel Delivery – Authorize Purchase from Buchanan Energy, LLC through DuPage County Joint Purchasing Program
 - G. Purchase of One 2018 Ford F-350 Super Duty 4wd Pick-Up Truck from Hawk Ford of St. Charles, Illinois
 - H. 2018 Outdoor Warning Siren Project – Rejection of Bid
5. Items for Discussion
 - A. 2018 Outdoor Warning Siren Project
6. Unfinished Business
7. New Business
8. Reports from Staff
9. Adjournment

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60185

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Ruben Pineda
MAYOR
Nancy M. Smith
CITY CLERK

Michael L. Guttman
CITY ADMINISTRATOR

Draft

MINUTES

INFRASTRUCTURE COMMITTEE

February 1, 2018 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, Heather Brown, Sandra Dimas, George Garcia, Matt Garling, Alton Hallett, and Noreen Ligino-Kubinski present.

Staff present included Director of Public Works Robert Flatter, Utility Superintendent Rocky Horvath, and Administrative Assistant Ashley Cunningham. Also present were Paul Kubinski and Tim Petras of Kramer Tree Specialists, Inc.

2. Approval of Minutes

A. Infrastructure Committee Minutes of January 4, 2018. Alderman Dimas made a motion, seconded by Alderman Garcia to approve the Meeting Minutes of January 4, 2018.

Voting Yea: Aldermen Beifuss, Brown, Dimas, and Hallett. Voting Nay: 0. Abstaining: Aldermen Garcia, Garling, and Ligino-Kubinski.

3. Public Participation / Presentations. None.

4. Items for Consent. Alderman Garcia requested discussion on Consent Item A. Alderman Beifuss requested discussion on Consent Items C and D. Alderman Dimas requested discussion on Consent Item F. **Alderman Hallett made a motion, seconded by Alderman Dimas to approve:**

- B. Resolution No. 18-R-0003 - Contract Award – Crawford, Murphy & Tilly, Inc. for Phase II Engineering Design Services Related to the Booster Station #4 Rehabilitation Project**
- E. Resolution No. 18-R-0006 – A Resolution for Maintenance of Streets and Highways by the City of West Chicago Relating to FY2018 MFT Estimate of Maintenance Costs**

Voting Yea: Aldermen Beifuss, Brown, Dimas, Garcia, Garling, Hallett, and Ligino-Kubinski. Voting Nay: 0.

5. Items for Discussion.

4.A. Purchase One 2017 Ford Transit 350 HD Extended Body High Roof Van with Aries Pathfinder Series Sewer Camera System. Mr. Flatter explained that the Public Works Department has planned and budgeted for the replacement of one 2001 Ford E350 Sewer/Televising Camera Van, which is utilized by staff for inspection of the City's sanitary sewer collection system and storm sewer system. City staff tested four camera systems to compare performance, ease of operation, available options, quality, and functionality; the camera system offered by Aries Industries, Inc. was preferred. It is not equipment that is used on a daily basis, but it is critical when needed for a blockage or repair. Alderman Garcia asked what makes the Aries system preferable. Mr. Flatter explained that it is the combination of features and specifications determined after testing was conducted by staff. Mr. Horvath further explained that Aries' software integrates with the City's existing GIS system and there is no annual cost of software maintenance. Alderman Beifuss inquired if the camera equipment is covered by any warranty. Mr. Flatter noted there is a one year warranty on this camera system. **Alderman Garcia made a motion, seconded by Alderman Brown to approve.**

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garcia, Garling, Hallett, and Ligino-Kubinski. Voting Nay: 0.

4.C. Resolution No. 18-R-0004 - Contract Award – RJN Group, Inc. for the 2018 Sanitary Sewer Evaluation Program. Alderman Beifuss indicated he wanted this item pulled for some brief background on the program and for an update on its effectiveness. Mr. Flatter explained that in 2010 the City implemented an inflow and infiltration (I/I) reduction program to reduce the amount of unnecessary stormwater flow to the City's Wastewater Treatment Plant. RJN Group, Inc. conducts manhole mapping and inspections, smoke testing, wet weather investigations, cleaning and televising, and dye testing of the sanitary collection system to develop a cost effective correction plan for implementation in future years. Mr. Flatter noted that flow to the Wastewater Treatment Plant has remained relatively consistent over the last eight years despite development and growth, which is a positive sign of improvement. During rain events there are no longer big spikes in flow to the Plant that once indicated influxes of rainwater coming into the system. **Alderman Dimas made a motion, seconded by Alderman Hallett to approve.**

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garcia, Garling, Hallett, and Ligino-Kubinski. Voting Nay: 0.

4.D. Resolution No. 18-R-0005 - Contract for Professional Engineering Design Services Related to the 2018 Sanitary Sewer Rehabilitation Program – RJN Group, Inc. Mr. Flatter explained that this is the next step in the I/I reduction process. In July 2017, the Infrastructure Committee approved and accepted the recommendations outlined in the 2014 and 2016 Sanitary Sewer Evaluation Survey Study Reports, as prepared by RJN Group, Inc., and directed staff to plan for and contractually complete recommended rehabilitation work as determined appropriate by staff and as allowed by budget. At staff's request, RJN has provided a proposal to develop

plans, specifications, and bid documents to address the high priority sewer segments and a portion of the medium priority sewer segments in FY2018. Given the limited budget, most repairs will be sewer lining repairs. Point repairs are also being evaluated for repair by City staff. **Alderman Dimas made a motion, seconded by Alderman Hallett to approve.**

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garcia, Garling, Hallett, and Ligino-Kubinski. Voting Nay: 0.

4.F. Resolution No. 18-R-0007 – Contract Award – 2018 Parkway Tree Planting

Program. Alderman Dimas asked who selects the trees to be planted. Mr. Flatter explained that City staff determines which trees are to be planted, with the goal of planting no more than 5-10% of a given species to safeguard the City from mass devastation like that experienced with the Ash tree. Then residents receiving the trees have the opportunity to rate the species in order of preference, which are reserved and planted on a first come, first served basis. **Alderman Hallett made a motion, seconded by Alderman Garcia to approve.**

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garcia, Garling, Hallett, and Ligino-Kubinski. Voting Nay: 0.

6. Unfinished Business.

A. 2018 Brush Collection Program. At the January Infrastructure Committee meeting, the Committee asked staff to compile a program bid history for review, which was distributed at the February meeting. Following discussion at the January meeting, Kramer Tree Specialist, Inc. (Kramer) offered the following revised proposals for the Brush Collection Programs for the next three years: \$79,975.00 for FY2018; \$87,850.00 for FY2019; and \$96,775.00 for FY2020. As Trees “R” Us was one of the previous bidders, Mr. Flatter spoke with them about their ability to provide service and meet City expectations if the 2018 Brush Collection Program were bid. They indicated that their business is predominantly focused on brush collection, providing services for multiple municipalities including the Village of Glen Ellyn, the City of Naperville, and the Village of Hoffman Estates. However, Trees “R” Us did not provide a proposal to the City on the phone, but would provide a bid if the program went to bid. Alderman Beifuss wanted to recall the annual revenue for the program; Mr. Flatter confirmed that revenue for the Brush Collection Program averages \$75,000.00 annually. Aldermen Hallett and Ligino-Kubinski expressed their preference to award a contract to Kramer. Alderman Garcia noted his concern for the large price increases over the next three years compared with the actual costs in preceding years. Alderman Beifuss noted that as a self-sustaining program in the past, the brush collection fee may need to be increased to account for the difference in cost, though that would not be preferred. Alderman Garling inquired if shortening the program by one month would help reduce the annual cost. Mr. Flatter said this may be a possibility, though residents may be displeased with the shortened collection period, and bidders may not lower their bids much assuming that residents may put out the same amount of brush during that shorter period to make up for having one less month of collection. Currently the General Fund absorbs any overage that the brush collection fee revenue does not cover.

Alderman Hallett wondered how Trees “R” Us may be able to provide service to the City while they are already servicing so many other sizable municipalities. Following discussion, the Committee reached a consensus to pursue a three-year contract with Kramer Tree Specialist, Inc. which will be brought back to Committee in March for approval.

B. Alternative Cost Analysis for Proposed Salt Storage Facility – 1300 W. Hawthorne Lane. With soil remediation efforts moving forward at 119 W. Washington, Public Works will be losing the temporary salt storage shed and an equipment storage building. The equipment storage building is mainly used to store snow plows and salt spreaders in the summer months, and paving and mowing equipment during the winter months, along with pulverized topsoil, traffic control equipment, and miscellaneous equipment. The most critical issue is the salt storage, as the EPA will not allow salt to be permanently stored outside. Staff desires to construct a Hi-Arch Gambrel (barn style) salt storage facility/building with a concrete wall foundation with approximately 6,100 tons of deicing material capacity, two overhead door entranceways (one on each side of the building) to access the materials, and enclosed truck/equipment storage bays on each side of the building. On average, the City uses 2,600 tons of deicing material per year, though up to 6,200 tons have been used in one year during severe winter conditions. With the construction of a salt storage facility, certain site improvements must also be constructed (i.e., pavement to access the facility and load trucks, lighting, electricity, storm sewer and drainage systems, security fencing, etc.); four total site build-out alternative concept plans were developed which range between an estimated \$727,943.00 and \$1,336,492.00. Additional engineering and architectural services estimated at \$261,000.00, as well as a required automatic fire alarm detection system and sprinkler system estimated at \$100,000.00, will add to costs as well.

As previously indicated, staff desires to construct a salt storage facility capable of storing approximately 6,100 tons of deicing material. The minimum size salt storage facility recommended by staff would be one that could store 4,100 tons; 2,900 tons would be the absolute minimum. A building alone with wood wall foundation would start around \$295,000.00 for the smallest option and up to roughly \$432,000.00 for the 6,100 ton preferred option. Adding a concrete wall foundation would add between \$156,000.00 and \$213,200.00 depending on the building size. Optional features including two overhead entranceway doors, lean-to truck/equipment storage bays, and overhead doors on these bays would add varying costs as well. Some optional features could be eliminated, constructed in phases, or added at a later date, but staff estimates that costs will increase by at least 30% due to additional work that would be necessary to alter an existing building or site and estimates an additional 3% annually for inflation. In total, the estimated construction cost of each option is: \$2.1 million for the 6,100 ton facility; \$2.0 million for the 4,100 ton facility; and \$1.8 million for the 2,900 ton facility. Alderman Ligino-Kubinski asked if in 5-10 years there is any possibility of an intergovernmental agreement with nearby municipalities that would allow the City to share their existing storage space, making a new facility unnecessary. Mr. Flatter said it is possible, but his concern with sharing their space is accountability; for example, if the City pays for a quantity of salt, how could it be guaranteed that the City is receiving this same quantity from storage? Alderman Garcia asked about the possibility of constructing the facility in phases to save money, but Mr.

Flatter reiterated that constructing in phases would likely add 30% to costs due to additional work that would be necessary to alter an existing building.

Following discussion, Alderman Beifuss confirmed the Committee was agreeable to site improvement ALT 1C (the lowest cost option). The subject still in question was the size of the salt storage facility and what optional features to include. Mr. Flatter explained that in March of each year, he has to determine how much salt the City will need for the upcoming winter season; this can be very difficult to predict, and times of high demand can create price fluctuations and issues with delivery. Having a 6,100 ton capacity would allow flexibility in the amount of deicing material that could be purchased and stored. For example, if the price of salt is expected to rise next year, staff could order the maximum amount this year and have ample room to store it for the following season. Any additional space could be used for pulverized topsoil, gravel, and equipment as well. Alderman Hallett voiced his support for a 6,100 ton facility. Alderman Beifuss noted that the difference in cost for the 4,100 ton facility compared to the 6,100 ton facility is not that much, and having that additional storage space would be useful. Alderman Garling suggested skipping the overhead doors on the lean-tos for the time being since they should be relatively easy to add on down the road; this could save about \$100,000.00. The Committee concluded that they would prefer the 6,100 ton storage capacity building size with two overhead entranceway doors, along with lean-tos on both sides of the building, but without overhead doors on the lean-tos at this time. At Mr. Flatter's request, the Committee was agreeable to including the overhead doors for the lean-tos as an alternate bid at least to get a price on them.

7. New Business. None.

8. Reports from Staff. None.

9. Adjournment. At 9:06 P.M., Alderman Dimas made a motion to adjourn, seconded by Alderman Hallett. Motion was unanimously approved by voice vote.

Respectfully submitted,

Ashley Cunningham
Administrative Assistant of Public Works

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 18-R-0014 - Contract Award – Denler, Inc.
for the 2018 Crack Sealing Program

AGENDA ITEM NUMBER:

4.A.

COMMITTEE AGENDA DATE: March 1, 2018

COUNCIL AGENDA DATE: March 5, 2018

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

SIGNATURE 

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The 2018 Crack Sealing Program consists of approximately 140,000 lineal feet of crack routing and sealing of bituminous pavements at the following locations:

- 2010 North Oak Street Reconstruction Area (Plymouth Court and Pine Street between Ingaltion Avenue and Illinois Route 59, and Oakwood Avenue between Chicago Street and Ingaltion Avenue).
- 2012 Street Resurfacing Area (Blair Street, Stimmel Street, and Pomeroy Street between Joliet Street to Neltnor Avenue, and Barber Street, Blakely Street, and Gates Street between Brown Street and Conde Street).
- 2013 Street Resurfacing Area – Cornerstone Lakes Subdivision (Lehman Drive, Foxfield Drive, Camden Drive from Lehman Drive to Smith Road, and Bainbridge Boulevard from Leman Drive to Smith Road).
- North Factory Street between Ann Street and the Stimmel Street High School Parking Lot.
- Main Street from Wilson Street to Washington Street.
- Town Road from Washington Street to Illinois Route 38.
- Woods of St. Andrews (Norris Avenue and St. Andrews Court).

As part of the DuPage Municipal Partnering Initiative (MPI) program, the Village of Downers Grove, Village of Lombard, Village of Woodridge, Village of Villa Park, Village of Burr Ridge, DuPage County, City of Wheaton, City of Darien, and City of West Chicago jointly developed bid documents and specifications for a Crack Sealing Program in 2016. The 2016 MPI Crack Sealing Program (CFB #2016-02) was advertised as a one-year program (2016), with pricing also requested/received for years 2017 and 2018. Per the Contract, each Municipality reserves the right to renew the Contract for two additional one-year terms, subject to acceptable performance by the Contractor and price identified in the bid.

Per a 2016 MPI bid, and per the recommendation of City staff and the MPI group, the contract for contractual crack sealing services for 2016 was awarded to Denler, Inc. of Mokena, Illinois, for an amount not to exceed \$50,000.00 (2016 unit price of \$1.195 per pound installed). In 2017, the City of West Chicago, the MPI group referenced above, along with the City of Elmhurst, extended a contract to Denler, Inc. based on Year 2 optional pricing. Denler's optional Year 3 offered unit price for 2018, under the 2016 MPI 2-year extension pricing, is \$1.32 per pound installed, which is an approximate 2.3% increase over the 2017 unit price. Denler has provided crack sealing services for the City of West Chicago since 2014, and City staff has been extremely satisfied with the services provided by Denler in 2014, 2015, 2016, and 2017.

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For the 2018 Crack Sealing Program City staff recommends that the City Council award a contract to Denler, Inc. of Mokena, Illinois, for an amount not to exceed \$50,000.00 (unit price of \$1.32 per pound installed), under the MPI contract extension provision.

This year's Program will be paid for using Capital Project Funds (08-34-53-4868) in which \$50,000.00 has been budgeted.

ACTIONS PROPOSED:

Approve Resolution No. 18-R-0014 authorizing the Mayor to execute a Contract with Denler, Inc. of Mokena, Illinois, in an amount not to exceed \$50,000.00 for the 2018 Crack Sealing Program.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 18-R-0014

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH DENLER, INC. FOR SERVICES
RELATED TO THE 2018 CRACK SEALING 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 2018 Crack Sealing Program between the City of West Chicago and Denler, Inc., for an amount not to exceed \$50,000.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 5th day of March, 2018

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

DENLER, INC.

19148 S. 104th Avenue, Mokena, IL 60448
(708) 479-5005 • Fax (708) 479-7199
www.parkinglots.net

February 12, 2018

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

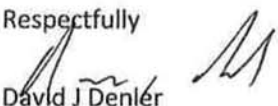
RE: 2018 Crack Sealing Program

Mr. Flatter

Denler, Inc. has provided the crack sealing services for the City of West Chicago for the past several years. We are sending out this letter as an understanding and agreement to offer our services at the year 3 extension price of \$1.32 per lb in accordance with the bidding documents. I understand the City of West Chicago is interested in procuring the service for 37,878 lbs which would be \$49,998.96

We appreciate the opportunity to work for the City of West Chicago again and look forward to another successful project.

Respectfully


David J Denler
Denler, Inc.

Site Development

Asphalt & Concrete Paving • Lighting • Excavations
Concrete Curb Construction • Sewer Construction • Grading

Site Maintenance

Sweeping • Seal Coating • Asphalt Patching & Repair
Concrete Repairs • Crack & Joint Routing & Repair • Striping

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 18-R-0015 – Contract Award – Emerald Tree Care, LLC for the 2018 Emerald Ash Borer Insecticidal Treatment Program

AGENDA ITEM NUMBER: 4.B.**COMMITTEE AGENDA DATE:** March 1, 2018**COUNCIL AGENDA DATE:** March 5, 2018**STAFF REVIEW:** Timothy R. Wilcox, Assistant Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Emerald Tree Care, LLC has provided annual Emerald Ash Borer (EAB) treatment services related to the application of insecticidal treatments, in the form of trunk injections and Basil System Soil Injections, to manage the spread and negative impact of the EAB from 2011 thru 2017 (2017 was the final year of the seven contract). There are currently 1,388 City-owned Ash trees. Three of these are scheduled to be removed with the 2018 Forestry Maintenance program, bringing the total number of Ash trees that would require treatment in 2018 to 1,385.

On April 17, 2017 Council approved Resolution No. 17-R-0017 authorizing the Mayor to execute Contract Amendment No. 1 to the Agreement with Emerald Tree Care LLC, for the Annual Emerald Ash Borer Insecticidal Treatment Program for the purpose of using a new product, Boxer (a.k.a. Emamectin Benzoate) which was released in 2015. This new product was administered with the same Wedgle (non-drilling) trunk injection method, but the trunk treatment lasts for two years. This increased the trunk injection cost by \$0.30 per inch diameter for 2017, but saved \$44,894.10 over a two-year period, eliminating the need for trunk injections in 2018.

Wayne White of Emerald Tree Care has provided the City a letter with his recommendation for continuing a monitor and treatment program for the City's Ash trees (letter attached). In said letter Mr. White recommends the continued use of Boxer for trunk injections every other year and soil injections each year for a proposed five year program starting in 2018. A proposal for soil treatment for 2018 in the amount of \$21,875.00, at the same unit price as the previous contract, is attached for your information.

To date there have been 450 Ash trees lost since EAB treatment began in 2011, or about 25% of the original treatment set. Many of these trees were lost due to storm related damage or other reasons; however the majority were removed due to failing health caused by early damage from the EAB. Approximately 70, or about 5% of those lost were removed in 2016-2017. Most of those removed in the last two years had been on Emerald Tree Care's watch list.

Staff recommends continuing soil treatment in 2018. Since trunk injections will not be required, this will provide the maximum protection against the EAB which was established in the previous contract and administered for the last seven years. Staff recommends continued monitoring of the City's Ash trees and conducting a full evaluation of all remaining Ash trees prior to fall. Once this evaluation is complete results of the survey will be presented to Committee to assess the benefits of continuing application of insecticidal treatments for the EAB.

There is \$80,000.00 budgeted in the Capital Projects Fund for EAB Insecticidal Treatment Program.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 18-R-0015 authorizing the Mayor to execute a Contract with Emerald Tree Card, LLC of Carol Stream, Illinois, in an amount not to exceed \$21,875.00, for the 2018 Emerald Ash Borer Insecticidal Treatment Program for soil treatment at the unit price of \$1.25 per inch diameter.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 18-R-0015

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH EMERALD TREE CARE, LLC RELATED
TO THE 2018 EMERALD ASH BORER INSECTICIDAL TREATMENT
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 2018 Emerald Ash Borer Insecticidal Treatment Program between the City of West Chicago and Denler, Inc., for an amount not to exceed \$21,875.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 5th day of March, 2018

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith



26W515 St. Charles Road, Unit B | Carol Stream, IL 60188
Office: 630-480-4090 | www.emeraldtreecarellc.com

January 22, 2018

Tim Wilcox
City of West Chicago
475 Main Street
West Chicago, IL 60185

Dear Tim,

Based on what the industry knows of current EAB populations, combined with the status of untreated ash trees in the area, Emerald Tree Care LLC is currently recommending a continued 'monitor and treat' emerald ash borer program for the West Chicago ash trees for a maximum of five more years.

I feel protecting your urban forest asset with continued treatment is the most fiscally responsible approach. You would know your costs more accurately, but many cities budget \$45-\$50 per diameter inch for removal and stump grinding, and \$500-\$600 per tree for replacement (depending on size, species, and guarantee). Based on the 2017 inventory, West Chicago has approximately 1,400 ash trees totaling 17,500 diameter inches. To remove these trees would cost approximately \$787,500-\$875,000, and another \$700,000-\$840,000 to replace. This totals \$1,487,500-\$1,715,000 if the decision was to suddenly discontinue treatments. This far exceeds treatment costs. I feel this program has been very successful so far. In addition, Emerald Tree Care LLC has also saved many West Chicago resident trees (which are provided at the approved City contract pricing).

This treatment program would recommend soil treatment only in 'even' years (2018, 2020, etc), and then both soil treatment and trunk injection in 'odd' years (2019, 2021, etc).

Treatment Program Forecast:

As always, trees are measured annually for size increases.

2018 – Soil only	\$25,000
2019 – Soil & Trunk	\$75,000
2020 – Soil only	\$25,000
2021 – Soil & Trunk	\$75,000
2022 – Soil only	<u>\$25,000</u>
	\$225,000

If you have any additional treatment program questions, please do not hesitate to contact us!

Sincerely,

A handwritten signature in black ink that reads "Wayne A. White". The signature is written in a cursive style with a prominent initial 'W'.

Wayne A. White

Board Certified Master Arborist

Emerald Tree Care LLC



Contact Information:
 Office Cell: 630-480-4090
 Wayne's Cell: 248-939-0225
 Text Alerts: 708-740-8733

emeraldtreecarellc@gmail.com
 www.emeraldtreecarellc.com



City of West Chicago
 Attn: Dept. of Public Works
 475 Main Street
 West Chicago, IL 60185

Customer Contact:
 rflatter@westchicago.org 630-293-2255 W

2018 Plant Healthcare Estimate

Est. No: 2018-0253

Issued: 1/15/2018

Qty	Treatment Description	Cst/Unit	Total
	Your 2018 Plant Healthcare Estimate is as follows:		
17,500	total diameter inches* of Ash Trees to be SOIL treated with Imidacloprid for the control of the Emerald Ash Borer. *Note: The total inches in 2017 that were soil treated was 17,296. The 17,500 accounts for potential growth, combined with any trees that may have been removed between the end of trunk injections last year and the start of soil treatments this year. Applications done with Imidacloprid include a balanced fertilizer and micro-nutrients to properly support all plant functions, as well as an organic bio-stimulant to promote root growth and overall plant health. Boxer is labeled for 'up to two year control.' Trunk injections not needed until 2019.	1.25	21,875.00
0	total diameter inches of Ash Trees to be TRUNK injected with Boxer (a.i. emamectin benzoate) for the control of the Emerald Ash Borer and native clearwing borers. Provides up to two year protection.	3.20	0.00
Total:			\$21,875.00

Customer Signature: _____

I authorize Emerald Tree Care, LLC to proceed with the above 2018 estimate.

CHECK PAYMENT PREFERRED; CREDIT CARDS ALSO ACCEPTED

_____/20

VISA | MASTERCARD | DISCOVER | AMEX

Wayne A. White
Wayne A. White
 Board Certified Master Arborist
 MI-0793B



CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 18-R-0016 - Contract Award – Schroeder Asphalt Services, Inc. for the 2018 Elm Road Rehabilitation Project

AGENDA ITEM NUMBER: 4.C.**COMMITTEE AGENDA DATE:** March 1, 2018**COUNCIL AGENDA DATE:** March 5, 2018**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

The 2018 Elm Road Rehabilitation Project, as prepared by the City's engineering consultant Thomas Engineering Group (TEG), consists of roadway resurfacing and widening of Elm Road, north of Illinois Route 64. The project's work generally consists of pavement milling, hot-mix asphalt (HMA) resurfacing, full-depth HMA pavement patching and widening, installation of a hammerhead turnaround, driveway apron patching, parkway restoration, Thermoplastic pavement markings, and all incidental and collateral work necessary to complete the project as shown on the project plans and detailed in the project specifications. The net length of improvements is approximately 1,053 feet (0.20 miles).

The request for bids was advertised in the Daily Herald on January 30, 2018, and bids were opened on February 20, 2018. The City received six bids with Schroeder Asphalt Services, Inc. of Huntley, Illinois submitting the lowest responsible bid of \$140,498.36. The second lowest bid was submitted by Chicagoland Paving Contractors, Inc. of Lake Zurich, Illinois for \$147,900.00. The engineer's estimate of probable cost was \$157,074.86 (see attached bid tabulation sheet for additional clarification).

Schroeder Asphalt Services, Inc. (Schroeder) has satisfactorily performed similar work for the City for its 2010 Old Heidelberg Minor Arterial Street Improvement Project, the 2011 Main Street and Turner Court Rehabilitation Project, and the Combined 2012 Street Resurfacing and Sidewalk Maintenance Program. TEG also called several of Schroeder's project references and responding agencies provided satisfactory references. Schroeder is registered by the Illinois Department of Transportation as a prequalified contractor.

It is staff's recommendation that a contract be awarded to Schroeder Asphalt Services, Inc. of Huntley, Illinois, for the 2018 Elm Road Rehabilitation Project, for a contract amount not to exceed \$140,498.36.

The cost of this project will be paid from the Capital Projects Fund (08-34-53-4807) where \$1,283,200.00 has been budgeted for street improvements in 2018.

ACTIONS PROPOSED:

Approve Resolution No. 18-R-0016 authorizing the Mayor to execute a Contract with the lowest responsible bidder, Schroeder Asphalt Services, Inc. of Huntley, Illinois, in an amount not to exceed \$140,498.36 for the 2018 Elm Road Rehabilitation Project.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 18-R-0016

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH SCHROEDER ASPHALT SERVICES,
INC. FOR SERVICES RELATED TO THE 2018 ELM ROAD
REHABILITATION 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 2018 Elm Road Rehabilitation Project, between the City of West Chicago and Schroeder Asphalt Services, Inc., for an amount not to exceed \$140,498.36, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 5th day of March, 2018.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

CITY OF WEST CHICAGO 2018 ELM ROAD REHABILITATION PROJECT Bid Opening: February 20, 2018 @ 10:00 A.M.				Engineer's Estimate		Schroeder Asphalt Services, Inc. P.O. Box 831 Huntley, IL 60142		Chicagoland Paving Contractors, Inc. 225 Telsor Road Lake Zurich, IL 60047		Johnson Paving 1025 E. Addison Court Arlington Heights, IL 60005		Alamp Concrete Contractors, Inc. 1900 Wright Boulevard Schaumburg, IL 60193		Builders Paving, LLC 4413 Roosevelt Road, Suite 108 Hillside, IL 60162		Rothers Asphalt Paving, Inc. 315 S. Stewart Avenue Addison, IL 60101	
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	EN Est. Unit Price	BID 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	BID UNIT PRICE	BID TOTAL
1	TREE REMOVAL (6 TO 15 UNIT DIA.)	UNIT	14	\$25.00	\$350.00	\$30.00	\$420.00	\$25.00	\$350.00	\$60.00	\$840.00	\$44.00	\$616.00	\$40.00	\$560.00	\$41.20	\$576.80
2	TREE REMOVAL (OVER 15 UNIT DIA.)	UNIT	36	\$25.00	\$900.00	\$32.00	\$1,152.00	\$35.00	\$1,260.00	\$60.00	\$2,160.00	\$47.00	\$1,692.00	\$43.00	\$1,548.00	\$43.78	\$1,576.08
3	EARTH EXCAVATION	CU YD	387	\$35.00	\$13,545.00	\$27.00	\$10,449.00	\$30.00	\$11,610.00	\$35.00	\$13,545.00	\$32.00	\$12,384.00	\$39.00	\$15,093.00	\$45.00	\$17,415.00
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	\$95.00	\$1,900.00	\$25.00	\$500.00	\$25.00	\$500.00	\$50.00	\$1,000.00	\$25.00	\$500.00	\$45.00	\$900.00	\$40.00	\$800.00
5	POROUS GRANULAR EMBANKMENT	CU YD	20	\$40.00	\$800.00	\$35.00	\$700.00	\$25.00	\$500.00	\$25.00	\$500.00	\$25.00	\$500.00	\$40.00	\$800.00	\$40.00	\$800.00
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	100	\$5.00	\$500.00	\$2.00	\$200.00	\$2.50	\$250.00	\$1.00	\$100.00	\$2.00	\$200.00	\$1.50	\$150.00	\$5.10	\$510.00
7	GRADING AND SHAPING DITCHES	FOOT	170	\$5.00	\$850.00	\$20.00	\$3,400.00	\$10.00	\$1,700.00	\$15.00	\$2,550.00	\$8.00	\$1,360.00	\$10.00	\$1,700.00	\$15.00	\$2,550.00
8	TEMPORARY DITCH CHECKS	EACH	4	\$300.00	\$1,200.00	\$125.00	\$500.00	\$125.00	\$500.00	\$100.00	\$400.00	\$150.00	\$600.00	\$100.00	\$400.00	\$258.00	\$1,032.00
9	INLET AND PIPE PROTECTION	EACH	10	\$200.00	\$2,000.00	\$90.00	\$900.00	\$150.00	\$1,500.00	\$100.00	\$1,000.00	\$15.00	\$150.00	\$160.00	\$1,600.00	\$125.00	\$1,250.00
10	HOT-MIX ASPHALT BASE COURSE, WIDENING, 4"	SQ YD	692	\$25.00	\$17,300.00	\$16.00	\$11,072.00	\$19.50	\$13,494.00	\$20.00	\$13,840.00	\$16.15	\$11,175.80	\$20.00	\$13,840.00	\$40.00	\$27,680.00
11	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	686	\$0.01	\$6.86	\$0.01	\$6.86	\$0.01	\$6.86	\$0.01	\$6.86	\$0.01	\$6.86	\$1.50	\$1,029.00	\$0.15	\$102.90
12	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	\$300.00	\$300.00	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$500.00	\$500.00	\$900.00	\$900.00	\$1,000.00	\$1,000.00
13	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	15	\$15.00	\$225.00	\$12.00	\$180.00	\$10.00	\$150.00	\$1.00	\$15.00	\$10.00	\$150.00	\$40.00	\$600.00	\$5.00	\$75.00
14	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	329	\$65.00	\$21,385.00	\$70.00	\$23,030.00	\$80.00	\$26,320.00	\$65.00	\$21,385.00	\$68.00	\$22,372.00	\$74.00	\$24,346.00	\$83.00	\$27,307.00
15	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	197	\$65.00	\$12,805.00	\$85.00	\$16,745.00	\$90.00	\$17,730.00	\$80.00	\$15,760.00	\$80.00	\$15,760.00	\$86.00	\$16,942.00	\$109.00	\$21,473.00
16	PAVEMENT REMOVAL	SQ YD	142	\$15.00	\$2,130.00	\$12.00	\$1,704.00	\$15.00	\$2,130.00	\$5.00	\$710.00	\$9.50	\$1,349.00	\$30.00	\$4,260.00	\$15.00	\$2,130.00
17	CLASS D PATCHES, TYPE I, 5 INCH	SQ YD	32	\$50.00	\$1,600.00	\$35.00	\$1,120.00	\$50.00	\$1,600.00	\$40.00	\$1,280.00	\$25.00	\$800.00	\$60.00	\$1,920.00	\$45.00	\$1,440.00
18	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	56	\$50.00	\$2,800.00	\$35.00	\$1,960.00	\$50.00	\$2,800.00	\$40.00	\$2,240.00	\$25.00	\$1,400.00	\$50.00	\$2,800.00	\$45.00	\$2,520.00
19	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	130	\$50.00	\$6,500.00	\$33.00	\$4,290.00	\$42.50	\$5,525.00	\$40.00	\$5,200.00	\$25.00	\$3,250.00	\$46.00	\$5,980.00	\$45.00	\$5,850.00
20	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	55	\$50.00	\$2,750.00	\$33.00	\$1,815.00	\$45.00	\$2,475.00	\$40.00	\$2,200.00	\$25.00	\$1,375.00	\$41.00	\$2,255.00	\$45.00	\$2,475.00
21	METAL END SECTION 12"	EACH	1	\$500.00	\$500.00	\$500.00	\$500.00	\$550.00	\$550.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$618.00	\$618.00
22	THERMOPLASTIC PAVEMENT MARKINGS- LINE 4"	FOOT	1559	\$2.00	\$3,118.00	\$2.00	\$3,118.00	\$2.25	\$3,507.75	\$2.00	\$3,118.00	\$2.25	\$3,507.75	\$1.90	\$2,962.10	\$1.95	\$3,040.05
23	TEMPORARY ACCESS- PRIVATE ENTRANCE	EACH	11	\$250.00	\$2,750.00	\$75.00	\$825.00	\$125.00	\$1,375.00	\$1.00	\$11.00	\$50.00	\$550.00	\$150.00	\$1,650.00	\$150.00	\$1,650.00
24	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1620	\$3.00	\$4,860.00	\$4.00	\$6,480.00	\$3.00	\$4,860.00	\$5.00	\$8,100.00	\$3.50	\$5,670.00	\$6.20	\$10,044.00	\$4.00	\$6,480.00
25	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$2,500.00	\$2,500.00	\$2,800.00	\$2,800.00	\$5,389.39	\$5,389.39	\$10,000.00	\$10,000.00	\$17,000.00	\$17,000.00	\$3,000.00	\$3,000.00	\$6,653.00	\$6,653.00
26	AGGREGATE SUBGRADE 12"	SQ YD	807	\$20.00	\$16,140.00	\$13.00	\$10,491.00	\$13.50	\$10,894.50	\$20.00	\$16,140.00	\$15.30	\$12,347.10	\$15.00	\$12,105.00	\$14.00	\$11,298.00
27	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	331	\$50.00	\$16,550.00	\$29.50	\$9,764.50	\$25.00	\$8,275.00	\$30.00	\$9,930.00	\$35.00	\$11,585.00	\$33.00	\$10,923.00	\$30.00	\$9,930.00
28	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	436	\$10.00	\$4,360.00	\$16.00	\$6,976.00	\$10.00	\$4,360.00	\$1.00	\$436.00	\$10.00	\$4,360.00	\$13.00	\$5,668.00	\$10.00	\$4,360.00
29	CONSTRUCTION LAYOUT	L SUM	1	\$2,500.00	\$2,500.00	\$2,800.00	\$2,800.00	\$1,250.00	\$1,250.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$4,728.00	\$4,728.00
30	MAILBOX REMOVE AND RELOCATE	EACH	7	\$250.00	\$1,750.00	\$200.00	\$1,400.00	\$150.00	\$1,050.00	\$1.00	\$7.00	\$250.00	\$1,750.00	\$160.00	\$1,120.00	\$150.00	\$1,050.00
31	MAILBOX REMOVE AND REPLACE	EACH	4	\$500.00	\$2,000.00	\$350.00	\$1,400.00	\$200.00	\$800.00	\$200.00	\$800.00	\$300.00	\$1,200.00	\$175.00	\$700.00	\$150.00	\$600.00
32	TEMPORARY MAILBOX	L SUM	1	\$2,000.00	\$2,000.00	\$100.00	\$100.00	\$250.00	\$250.00	\$350.00	\$350.00	\$1,100.00	\$1,100.00	\$2,000.00	\$2,000.00	\$1,260.00	\$1,260.00
33	MAILBOX RELOCATE, SPECIAL	EACH	4	\$1,000.00	\$4,000.00	\$500.00	\$2,000.00	\$2,500.00	\$10,000.00	\$750.00	\$3,000.00	\$500.00	\$2,000.00	\$1,800.00	\$7,200.00	\$1,500.00	\$6,000.00
34	PARKWAY RESTORATION, SPECIAL	SQ YD	525	\$8.00	\$4,200.00	\$22.00	\$11,550.00	\$7.50	\$3,937.50	\$15.00	\$7,875.00	\$14.00	\$7,350.00	\$12.00	\$6,300.00	\$10.30	\$5,407.50
BID TOTAL			As Corrected As Read		\$157,074.86		\$140,498.36 \$140,498.36		\$147,900.00 \$147,900.00		\$148,598.86 \$148,598.86		\$149,560.51 \$149,560.51		\$164,545.10 \$164,545.10		\$181,637.33 \$181,637.33

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 18-R-0017 - Contract Award – Christopher B. Burke Engineering, Ltd. for Phase II Engineering Design Services Related to the 1350 W. Hawthorne Lane Salt Storage Facility Project

AGENDA ITEM NUMBER: 4.D.**COMMITTEE AGENDA DATE:** March 1, 2018**COUNCIL AGENDA DATE:** March 5, 2018**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Per direction received from the Infrastructure Committee on February 1, 2018, attached please find Resolution No. 18-R-0017 authorizing the Mayor to execute a professional engineering services contract with Christopher B. Burke Engineering, Ltd. (CBEL) of Rosemont, Illinois, for Phase II engineering design services related to the 1350 W. Hawthorne Lane Salt Storage Facility Project, for an amount not to exceed \$168,969.00.

Working as CBEL's sub-consultant and included in CBEL's proposal is \$30,000.00 for Advanced Storage Technology (AST) to provide structural engineering plans for a Hi-Arch Gambrel salt storage building capable of storing 6,100 tons of material, \$15,000.00 for Fox Valley Fire & Safety, Inc. to design the building's required fire suppression system, and \$5,400.00 for Testing Services Inc. (TSC) to obtain soil borings and provide a geotechnical analysis report.

CBEL's Estimated Milestone Schedule targets a project letting in September 2018, with a project bid award in October 2018, and a construction start date of November 2018. Reasonable efforts will be made to expedite design services. Construction services are not expected to be completed until summer 2019. Salt will likely need to be temporarily stored on a parking lot during the 2018-2019 winter season.

ACTIONS PROPOSED:

Approve Resolution No. 18-R-0017 authorizing the Mayor to execute a professional engineering services contract with Christopher B. Burke Engineering, Ltd., in an amount not to exceed \$168,969.00, for Phase II engineering design services related to the 1350 W. Hawthorne Lane Salt Storage Facility Project.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 18-R-0017

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT WITH CHRISTOPHER B. BURKE ENGINEERING, LTD. FOR
PHASE II ENGINEERING DESIGN SERVICES RELATED TO THE 1350 W.
HAWTHORNE LANE SALT STORAGE FACILITY 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 for Professional Engineering Services related to Phase II Engineering Design Services for the 1350 W. Hawthorne Lane Salt Storage Facility Project, between Christopher B. Burke Engineering, Ltd., and the City of West Chicago, for an amount not to exceed \$168,969.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 5th day of March 2018.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

February 26, 2018

City of West Chicago
1400 W Hawthorne Lane
West Chicago, IL 60185

Attention: Robert Flatter, PE

Subject: Professional Engineering Services Proposal Phase II Engineering for
1350 W Hawthorne Ln Salt Storage Facility
West Chicago, DuPage County, IL

Dear Mr. Flatter:

The subject property is located south of Hawthorne Lane in the City of West Chicago, DuPage County, IL. The project site is located on open space adjacent to the City's Water Treatment Plant. Christopher B. Burke Engineering, Ltd. (CBBEL) will work with the City to develop engineering design plans that will be permitted under the DuPage County Countywide Stormwater and Floodplain Ordinance (Ordinance). Included in this proposal are our Understanding of the Assignment, Scope of Services, Estimated Milestone Schedule, Fee Estimate, and Conversion to Design / Build.

UNDERSTANDING OF ASSIGNMENT

CBBEL's understanding is that the City of West Chicago is proposing to construct a new salt storage facility and parking lot. The preferred location is the City owned property at 1350 Hawthorne Lane, in the open space to the northeast of the 1400 W Hawthorne Ln Water Treatment Plant (WTP). The project will be locally funded (Phase II Engineering, Construction, and Construction Management).

City's approved Final Concept is the attached Alt 1C exhibit/memo (Exhibit A), which shows conceptual layout/environmental impacts and desired amenities. The salt dome is to be a barn-style structure (Exhibit B)

Portions of the area of the proposed improvement are in wetland buffer area (but outside of wetland), and are not in floodway/floodplain. Compensatory storage appears to already be accommodated in the WTP's oversized existing detention pond. If additional storage is needed it will need to be accommodated on-site.

CBBEL also understands the existing detention basin was sized and permitted for these improvements as a best management practices (BMP) basin. BMPs and other conditions/requirements of the DuPage County Ordinance permit will be implemented as part of the Storm Water Pollution Prevention Plan (SWPPP) for this project. With the loading of salt in typically wet conditions, runoff will obviously be a consideration. As such, CBBEL will research cost effective pre-treatment methods for the runoff prior to entering the existing detention basin. One solution would be to design the lot to divert runoff from areas where salt would typically be and send that water to a small detention basin to be filtered with an underdrain system prior to draining into the main detention pond. Additionally, CBBEL will propose the types of native vegetation to be planted in the existing detention basin that are most salt tolerant.

SCOPE OF SERVICES

Task 1 –Survey: CBBEL will complete a 4.5 ACRE± topographic survey of the site as shown on the attached exhibit, per the following scope:

- **Horizontal Control:** Utilizing state plane coordinates, CBBEL will set recoverable primary control utilizing state of the art GPS equipment based on NGS Control Monumentation.
- **Vertical Control:** CBBEL will establish benchmarks and assign elevations to the horizontal control points. This will be based on GPS observed DuPage County Control Monumentation (NAVD'88 vertical control datum).
- **Topographic Survey:** CBBEL will field locate all pavements, driveways, curb and gutters, pavement markings, signs, manholes, utility vaults, drainage structures, utilities, driveway culverts, cross road culverts, flagged wetland boundaries, etc. within the project limits. Establish all rim and invert elevations, utility sizes & type, depth subterranean structure, etc., at all points of access to below-grade utilities.
- **Cross Sections:** CBBEL will survey cross sections along the project limits at 50' intervals, at driveways, and at all other grade controlling features.
- **Utility Survey and Coordination:** All existing storm and sanitary sewers will be surveyed to determine rim and invert elevations and pipe sizes. Above ground facilities of any additional underground utilities including water main, gas, electric, cable, etc. will also be located. CBBEL will coordinate with utility owners and with JULIE Utility Coordination to retrieve atlas information for all applicable underground utilities including water main, gas, electric, cable, etc. CBBEL will compile all Utility Atlas information into the base map. Locations of existing utilities /obstructions / systems shown on the base map are the compilation of available utility plans provided by utility owners and JULIE Utility Coordination. All utilities /obstructions / systems may not be shown. Contractor shall be responsible for locating and protecting all underground utilities /obstructions / systems whether or not shown on base map.
- **Tree Survey:** CBBEL will locate lone trees over 6" inches in diameter, ornamental trees, and only the tree line for wooded areas, if any, within the limits associated with the project. The located trees will be identified by species (deciduous or coniferous) and the size.

- Base Mapping: CBBEL will compile all of the above information onto one base map at 1"=20' scale that is representative of existing conditions.

Task 2 – Permit Plans: Using Task 1 deliverables, the CBBEL Team will create a draft version of Permit Plans based on the City's approved Finalized Concept. After Meeting 1, CBBEL will continue plan development concurrently with Task 3-6. The plans will be prepared in accordance with City and IDOT design criteria. The plans are anticipated to include the following sheets:

1	Cover Sheet
2	General Notes
1	Overview (1" = 40')
1	Soil Boring Logs [TSC, sub-consultant]
2	Typical Sections
2	Existing Conditions and Removal Plan (1" = 20')
2	Proposed Site / Grading / Drainage Plan (1" = 20')
4	Lighting Plans / Details
2	Temp Sediment and Erosion Control Plan / Environmental Impacts Sheets (1" = 20')
4	Sediment / Erosion Control Details / Standards
1	BMP Plan/Details Sheet
6	Construction Details / Standards
2	Salt Barn Plan / Elevation / Details Sheets – Base Bid [ATS, sub-consultant]
1	Salt Barn Plan / Elevation / Details Sheets – Alt Bid [ATS, sub-consultant]
2	Proposed Interior (MEP) Utilities (fire suppression) – Salt Barn Plan/ Details Sheets Fox Valley Fire & Safety, Inc, sub-consultant]
6	Proposed Interior (MEP) Utilities (electric, sanitary, water, natural gas) – Salt Barn Plan/ Details Sheets
4	Proposed Site Utilities (electric, sanitary, water, natural gas) - Site Plan/ Details Sheets
8	Cross Sections
49	Total Sheets

Photometric calculations will be performed for the proposed parking lot in accordance with City requirements and/or IES RP-20-14 "Illuminating Engineering Society - Lighting for Parking Facilities". Based on the photometric calculations proposed lighting plans/detail sheets and specifications will be prepared. The plan sheets will include the locations of the lighting units along with electric cables/raceways, power source and hand holes. Detail drawings will include light pole and luminaire, concrete foundation, lighting controls, wiring diagram, pole handhole wiring diagram, one line circuit diagram, handhole and conduit installation details. Detailed specifications will be prepared along with the appropriate standards. Voltage drop calculations and opinion of probable construction cost and summary of quantities will also be performed.

CBBEL will perform the lighting/electric design for the facility.

CBBEL's sub-consultant, Fox Valley Fire & Safety Inc, will design building's (salt barn and side bays) fire suppression system.

A Geotechnical Report, generated by Testing Service Inc. (TSC), CBBEL's sub-consultant, will be included with this submittal. The report will show the boring logs and geotechnical analysis resultant from 9 structural borings totaling about 140 feet within the proposed footprint. This report will be utilized for pavement thicknesses, undercut locations, and building foundation design.

Also, included in this submittal will be an updated order-of-magnitude estimate of construction cost. CBBEL will also perform a PESA.

Task 3 – DuPage County Wetland Submittal: CBBEL will use the wetland/waters delineation report prepared under a prior contract for the application package. CBBEL Environmental Resources Staff will assist the project engineer in preparation of the wetland, waters and buffer portions of the Stormwater Management Permit Application. This information will include the required exhibits, specifications, data and project information. This task includes time for preparation of responses to comments and coordination. This information will support Task 4.

Task 4 – DuPage County Stormwater Management Permit: Because the City is a partial waiver community, all work within a special management area will require a DuPage County permit. Included in this submittal will be supporting documentation for wetlands, waters and buffer portions. A stormwater permit application will be prepared containing all necessary documentation as required by the County's ordinance. This task includes one response to comments, if any, issued by the County. All permit application fees will be covered by the City.

Task 5 – City of West Chicago Stormwater Permit A stormwater permit application will be prepared containing all necessary documentation as required by the City's permit application process.

US Army Corps of Engineers Submittal (Not Included in Contract): *Approved Final Concept had no wetland impacts. If there are Corps regulated wetland impact, CBBEL staff can prepare, submit and process a Corps of Engineers Regional Permit for the project as part of a separate contract.*

City of West Chicago Building Permit (Not Included in Contract): *This contract assumes City Public Works will coordinate with City Building Department and provide consolidated plan comments during the design process. The City will prepare/submit all forms/fees needed to secure the building occupancy and Planned Unit Development Permits. This contract will make design updates as provided by City Public Works.*

Task 6 – Final Submittal: CBBEL will update the submitted Permit Plans, based on City's review comments, utility company comments, and finalize. CBBEL will also create special provisions as needed to supplement City and IDOT standard special provisions. CBBEL will incorporate City provided boilerplate bidding information into the document to create a Final Bidder's Book. CBBEL will also include a line item estimate of construction cost and anticipated construction schedule. The plans are anticipated to include the following sheets:

1	Cover Sheet
2	General Notes
1	Overview (1" = 40')
1	Soil Boring Logs [TSC, sub-consultant]
2	Typical Sections
2	Existing Conditions and Removal Plan (1" = 20')
2	Proposed Site / Grading / Drainage Plan (1" = 20')
6	Lighting Plans / Details
2	Temp Sediment and Erosion Control Plan / Environmental Impacts Sheets (1" = 20')
4	Sediment / Erosion Control Details / Standards
1	BMP Plan/Details Sheet
8	Construction Details / Standards
16	Salt Barn Plan / Elevation / Details / Structural Sheets – Base Bid [ATS, sub-consultant]
4	Salt Barn Plan / Elevation / Details / Structural Sheets – Alt Bid [ATS, sub-consultant]
4	Proposed Interior (MEP) Utilities (fire suppression) – Salt Barn Plan/ Details Sheets Fox Valley Fire & Safety, Inc, sub-consultant]
7	Proposed Interior (MEP) Utilities (electric, sanitary, water, natural gas) – Salt Barn Plan/ Details Sheets
6	Proposed Site Utilities (electric, sanitary, water, natural gas) - Site Plan/ Details Sheets
8	Cross Sections
77	Total Sheets

Task 7 – Bid Set Submittal: CBBEL will incorporate all comments receive on previous submittals, approved permits, and create Bid Set construction documents (Plans, Bid Book, Estimate of Construction Cost, Anticipated Construction Schedule).

Task 8 – Bidding Assistance: If requested, CBBEL will attend a Bidder's Pre-Bid Meeting and the Bid Opening, responding to questions as needed. CBBEL will provide updates to Bid Set Submittal, if needed, for City's use in creating/issuing Bid Set Addendum. CBBEL will review compiled bid tab, and make comments to City.

Task 9 –Coordination: CBBEL Team will meet with City / Stakeholders to discuss findings and refine Facility elements. CBBEL anticipates 2-3 Staff attending three meetings; Meeting 1: at the beginning of Task 3-5 / mid-point of Task 2, Meeting 2: just prior to permits' final submittal / Task 6, and Meeting 3: DuPage County Permit Application Check-in. CBBEL will

prepare agendas and meeting summaries. CBBEL will also coordinate the project via email/ftp site and phone conference calls.

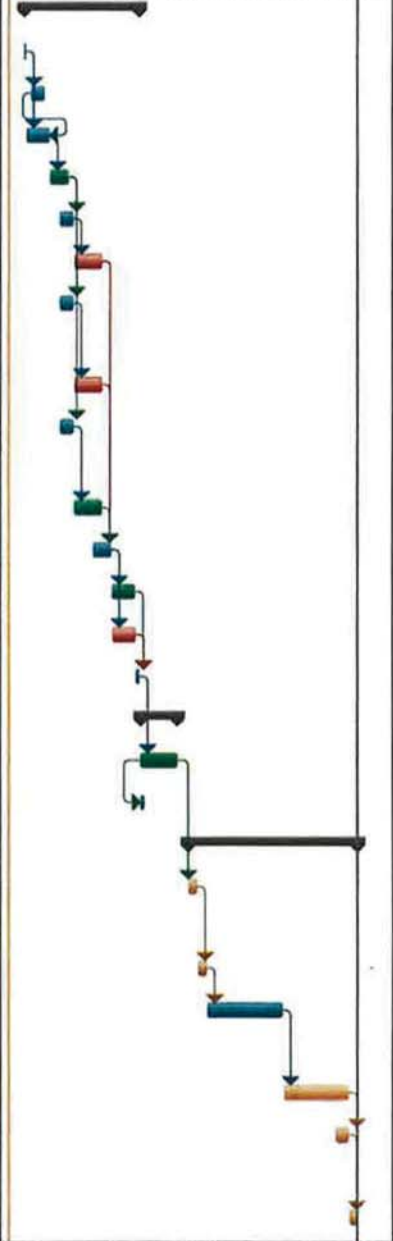
Task 10 – Project Management: CBBEL Staff will be responsible for progress reports, scheduling, invoicing, technical direction of staff project management and coordination. CBBEL Staff (design and construction) will QA/QC Task deliverables, and look for sustainable design opportunities and value engineering opportunities.

Deliverables:

- To City: PDF versions of the Bid Set Submittal, PDF version of Final Submittal, Permit Application packets, Permit Plans, meeting agendas/summaries, and Progress Reports/Invoices. 2 CDs containing Bid Set Bid Book and Plans (for City's use in providing Bidders the bid documents)
- To Agencies: electronic submittal of SWPPP to IEPA, Hardcopy/PDFs of County Stormwater Permit Application and County Wetland & Buffer Submittal.
- To Utilities: PDF version of Permit Plans (with request for conflict analysis).
- Direct Costs include QA/QC and record sets for each deliverable, hardcopy submittals to Agencies, meeting agendas/exhibits, and messenger delivery charges.

ESTIMATED MILESTONE SCHEDULE

ID	Task Name	Duration	Start	Finish	alf 1, 2018 Half 2, 2018 Half 1, 2019 Half											
					F	M	A	M	J	J	A	S	O	N	D	J
1	DESIGN	121 days	Fri 3/16/18	Fri 8/31/18												
2	Notice To Proceed	1 day	Fri 3/16/18	Fri 3/16/18												
3	1 - Survey / Geotech	3 wks	Mon 3/26/18	Fri 4/13/18												
4	2 - Permit Plans	5 wks	Mon 3/19/18	Fri 4/20/18												
5	City Review (Public Works, Buildings)	4 wks	Mon 4/23/18	Fri 5/18/18												
6	3 - DuPage County Wetland Submittal	3 wks	Mon 5/7/18	Fri 5/25/18												
7	Permit Review	6 wks	Mon 5/28/18	Fri 7/6/18												
8	4 - DuPage County Stormwater Management Permit	3 wks	Mon 5/7/18	Fri 5/25/18												
9	Permit Review	6 wks	Mon 5/28/18	Fri 7/6/18												
10	5 - City of West Chicago Stormwater Permit	3 wks	Mon 5/7/18	Fri 5/25/18												
11	Permit Review	6 wks	Mon 5/28/18	Fri 7/6/18												
12	6 - Final Submittal	4 wks	Mon 6/25/18	Fri 7/20/18												
13	City Review	5 wks	Mon 7/23/18	Fri 8/24/18												
14	DuPage County Permit Review	5 wks	Mon 7/23/18	Fri 8/24/18												
15	7 - Bid Set Submittal	1 wk	Mon 8/27/18	Fri 8/31/18												
16	CITY BID/AWARD	40 days	Mon 9/3/18	Fri 10/26/18												
17	City Notice/Award	8 wks	Mon 9/3/18	Fri 10/26/18												
18	8 - Bidding Assistance	1 wk	Mon 9/3/18	Fri 9/7/18												
19	CONSTRUCTION	180 days	Mon 11/12/18	Fri 7/19/19												
20	Removals, grade site, stone to HMA layer, 2 wks install BMP.	2 wks	Mon 11/12/18	Fri 11/23/18												
21	Install/energize light poles.	2 wks	Mon 11/26/18	Fri 12/7/18												
22	Winter shut-down. City uses pad for temp storage.	16 wks	Mon 12/10/18	Fri 3/29/19												
23	Build Barn.	14 wks	Mon 4/1/19	Fri 7/5/19												
24	Curb/gutter, fence, landscaping, pave lot	3 wks	Mon 6/17/19	Fri 7/5/19												
25	Punchlist/Occupancy Permit Received	2 wks	Mon 7/8/19	Fri 7/19/19												



FEE ESTIMATE

We estimate the costs of the services to be \$168,969.00. Please see the included Fee Summary for a detailed cost breakdown.

We will bill you at the hourly rates specified on the attached Schedule of Charges and establish our contract in accordance with the attached General Terms and Conditions. Direct costs for review / application fees or mileage are not included in the Fee Estimate. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services. Please note that any requested meetings or additional services are not included in the preceding Fee Estimate.

Please sign and return one copy of this agreement indication of acceptance and notice to proceed. Please feel free to contact Bryan Luke or me if you have any questions.

CONVERSION TO DESIGN / BUILD

If upon completion of Permit Plans, or at any point during the work under this contract, the City of West Chicago wishes to convert this contract to a Design/Build Contract, CBBEL offers the services of Burke, LLC, a legal entity closely affiliated with CBBEL. CBBEL will terminate this contract and forfeit any remaining fee on the basis that Burke, LLC, CBBEL and the City of West Chicago will execute a PRICE AND SCHEDULE GUARANTEE based on the preliminary plans and cost estimate. Burke, LLC will act as the General Contractor / Construction Manager in accordance with the terms and conditions of a mutually acceptable CONSTRUCTION MANAGEMENT CONTRACT. Burke, LLC will work with the City of West Chicago to develop a mutually acceptable form of contract for construction services.

Sincerely,



Jason Souden
Vice President

Encl. Schedule of Charges
General Terms and Conditions

THIS PROPOSAL, SCHEDULE OF CHARGES & GENERAL TERMS & CONDITIONS
ACCEPTED FOR CITY OF WEST CHICAGO:

BY: _____

TITLE: _____ DATE: _____

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CHRISTOPHER B. BURKE ENGINEERING, LTD.
STANDARD CHARGES FOR PROFESSIONAL SERVICES
JANUARY, 2018

<u>Personnel</u>	<u>Charges*</u> <u>(\$/Hr)</u>
Principal	265
Engineer VI	239
Engineer V	197
Engineer IV	160
Engineer III	144
Engineer I/II	113
Survey V	219
Survey IV	185
Survey III	162
Survey II	118
Survey I	93
Engineering Technician V	187
Engineering Technician IV	152
Engineering Technician III	137
Engineering Technician I/II	118
CAD Manager	166
Assistant CAD Manager	144
CAD II	144
CAD I	111
GIS Specialist III	139
GIS Specialist I/II	80
Landscape Architect	160
Environmental Resource Specialist V	206
Environmental Resource Specialist IV	160
Environmental Resource Specialist III	132
Environmental Resource Specialist I/II	108
Environmental Resource Technician	108
Administrative	101
Engineering Intern	61
Information Technician III	122
Information Technician I/II	110

Direct Costs

Outside Copies, Blueprints, Messenger, Delivery Services, Mileage Cost + 12%

*Charges include overhead and profit

Christopher B. Burke Engineering, Ltd. reserves the right to increase these rates and costs by 5% after December 31, 2018.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
GENERAL TERMS AND CONDITIONS

1. Relationship Between Engineer and Client: Christopher B. Burke Engineering, Ltd. (Engineer) shall serve as Client's professional engineer consultant in those phases of the Project to which this Agreement applies. This relationship is that of a buyer and seller of professional services and as such the Engineer is an independent contractor in the performance of this Agreement and it is understood that the parties have not entered into any joint venture or partnership with the other. The Engineer shall not be considered to be the agent of the Client. Nothing contained in this Agreement shall create a contractual relationship with a cause of action in favor of a third party against either the Client or Engineer.

Furthermore, causes of action between the parties to this Agreement pertaining to acts of failures to act shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of substantial completion.

2. Responsibility of the Engineer: Engineer will strive to perform services under this Agreement in accordance with generally accepted and currently recognized engineering practices and principles, and in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document, or otherwise.

Notwithstanding anything to the contrary which may be contained in this Agreement or any other material incorporated herein by reference, or in any Agreement between the Client and any other party concerning the Project, the Engineer shall not have control or be in charge of and shall not be responsible for the means, methods, techniques, sequences or procedures of construction, or the safety, safety precautions or programs of the Client, the construction contractor, other contractors or subcontractors performing any of the work or providing any of the services on the Project. Nor shall the Engineer be responsible for the acts or omissions of the Client, or for the failure of the Client, any architect, engineer, consultant, contractor or subcontractor to carry out their respective responsibilities in accordance with the Project documents, this Agreement or any other agreement concerning the Project. Any provision which purports to amend this provision shall be without effect unless it contains a reference that the content of this condition is expressly amended for the purposes described in such amendment and is signed by the Engineer.

3. Changes: Client reserves the right by written change order or amendment to make changes in requirements, amount of work, or engineering time schedule adjustments, and Engineer and Client shall negotiate appropriate adjustments acceptable to both parties to accommodate any changes, if commercially possible.
4. Suspension of Services: Client may, at any time, by written order to Engineer (Suspension of Services Order) require Engineer to stop all, or any part, of the services required by this Agreement. Upon receipt of such an order, Engineer shall immediately comply with its terms and take all reasonable steps to minimize the costs associated with the services affected by such order. Client, however, shall pay all costs incurred by the suspension, including all costs necessary to maintain continuity and for the