

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

**Thursday, September 3, 2020
7:00 P.M. – Committee Room A**

During the COVID-19 Pandemic, those wishing to attend public meetings of the Infrastructure Committee are welcome to do so at City Hall. You may attend in person and listen to the audio of the meeting, or via teleconference from home or another location on the Zoom app. Downloading Zoom from zoom.us will provide the audio link to the meeting. Anyone wishing to provide comment on a topic or an agenda item may address the Infrastructure Committee by 4:00 p.m. the day of the meeting. You may do so by either an online form on the City's website, email to publicworks@westchicago.org, or voicemail message at (630) 293-2255. Your comment to the Infrastructure Committee will be read during the Public Participation portion of the agenda.

Meeting ID: 852 657 5660

Password: 8gf5Ca

AGENDA

1. Call to Order, Roll Call, and Establishment of a Quorum
2. Approval of Minutes
 - A. Infrastructure Committee of July 2, 2020
3. Public Participation / Presentations
4. Items for Consent
 - A. Ordinance No. 20-O-0018 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned By the City of West Chicago
 - B. Resolution No. 20-R-0046 – Contract Award – Hushion Pavement Maintenance, Inc. for Parking Lot Sealcoating and Striping Services at Various City Owned Facilities During Fiscal Year 2020
 - C. Resolution No. 20-R-0047 – Contract Award – Heartland Recycling-Aurora CCDD, LLC for the 2020 Water Treatment Plant Waste Lime Sludge Removal Project
 - D. Resolution No. 20-R-0049 – Contract Award – Thomas Engineering Group, LLC for Construction Oversight Services of Public Improvements to be Constructed by Pulte Home Company, LLC for the Trillium Farm Subdivision Development Project
5. Items for Discussion
6. Unfinished Business
7. New Business
8. Reports from Staff
9. Adjournment

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Ruben Pineda
MAYOR
Nancy M. Smith
CITY CLERK

Michael L. Guttman
CITY ADMINISTRATOR

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

Draft

MINUTES

INFRASTRUCTURE COMMITTEE

July 2, 2020 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 present in-person, and Aldermen Sandra Dimas, Matt Garling, and Noreen Ligino-Kubinski present via Zoom teleconference. Aldermen Heather Brown, Alton Hallett, and Jeanne Short were absent.

Staff present in-person included Director of Public Works Robert Flatter. Administrative Assistant Ashley Heidorn was present via Zoom teleconference. Mayor Pineda has determined that in-person meetings are not practical and prudent.

2. **Approval of Minutes**

A. **Infrastructure Committee Minutes of May 7, 2020.** Alderman Dimas made a motion, seconded by Alderman Ligino-Kubinski to approve the Meeting Minutes of May 7, 2020.

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

3. **Public Participation / Presentations.** None.

4. **Items for Consent.** Alderman Beifuss requested discussion on Consent Item D. **Alderman Dimas made a motion, seconded by Alderman Garling to approve:**

- A. Resolution No. 20-R-0030 – Contract Award – Boller Construction Company for the Digester #1 Improvements Project
- B. Resolution No. 20-R-0032 – Professional Engineering Services Agreement – Donohue & Associates, Inc. for SCADA Integration Services Associated with the Digester #1 Improvements Project
- C. Ordinance No. 20-O-0012 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned By the City of West Chicago

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

5. Items for Discussion.

4.D. Purchase of Rock Salt from Compass Minerals America, Inc., Overland Park, Kansas, for the 2019-2020 Winter Season – Change Order No. 1 and Final. Alderman Beifuss requested an explanation for the Change Order. Mr. Flatter explained that normally this is not an issue because the City has never had enough capacity to order the full allotment of rock salt in any one given year. However, with the new salt storage shed the City was able to order the full 4,600 tons this year. Each truck is weighed before delivery, but fluctuations in amounts loaded into a truck are expected and uncontrollable. Once a truck is loaded, the vendor will not unload a portion of the load if overage occurs. This resulted in an overage of 55.75 tons received in the last delivery. Mr. Flatter explained that this is a nominal amount, and it is nearly impossible to guarantee that the total amount received will not go over if the full allotment is ordered. **Alderman Dimas made a motion, seconded by Alderman Ligino-Kubinski to approve.**

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

6. Unfinished Business. None.

7. New Business. None.

8. Reports from Staff. Mr. Flatter noted that the final surface was applied to Washington Street last week and road striping was partially completed. He is hopeful that road striping will be completed next week, followed by parkway restoration.

Mr. Flatter also shared that the City Administrator gave him direction to move forward with the 2020 Sidewalk and Curb Maintenance Program. Plans are being finalized, and staff intends to put it out for bid on Tuesday, July 7, 2020, for an anticipated contract award date in August.

9. Adjournment. At 7:13 P.M., Alderman Ligino-Kubinski made a motion to adjourn, seconded by Alderman Dimas. Roll call found the vote unanimous for approval.

Respectfully submitted,

Ashley Heidorn
Administrative Assistant of Public Works

CITY OF WEST CHICAGO

**INFRASTRUCTURE COMMITTEE
AGENDA ITEM SUMMARY**

ITEM TITLE: Ordinance No. 20-O-0018– Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned By the City Of West Chicago	AGENDA ITEM NUMBER: <u>4.A.</u> COMMITTEE AGENDA DATE: September 3, 2020 COUNCIL AGENDA DATE: September 8, 2020
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STAFF REVIEW: Robert E. Flatter, P.E., Public Works Director	SIGNATURE 
APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman	SIGNATURE _____

ITEM SUMMARY:

City staff has identified surplus equipment, stock inventory, and/or personal property that has no useful life and is no longer useful to the City, has little or no salvage value, and should be properly disposed of (please refer to Ordinance No. 20-O-0018 and Attachment A for additional information).

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

ACTIONS PROPOSED:

Adopt Ordinance No. 20-O-0018 for the disposal or sale of surplus equipment, stock inventory, and/or personal property owned by the City of West Chicago.

COMMITTEE RECOMMENDATION:

ORDINANCE NO. 20-O-0018

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

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

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

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

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

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

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

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

PASSED this 8th day of September 2020.

Alderman J. Beifuss _____

Alderman L. Chassee _____

Alderman J. Sheahan _____

Alderman H. Brown _____

Alderman A. Hallett _____

Alderman M. Ferguson _____

Alderman Birch-Ferguson _____

Alderman S. Dimas _____

Alderman C. Swiatek _____

Alderman M. Garling _____

Alderman R. Stout _____

Alderman J. Short _____

Alderman N. Ligino-Kubinski _____

Alderman J. Jakabcsin _____

APPROVED as to form: _____
City Attorney

ADOPTED this 8th day of September 2020.

Mayor Ruben Pineda

ATTEST:

City Clerk, Nancy M. Smith

PUBLISHED: _____

Ordinance 20-O-0018

ATTACHMENT "A"
LISTING OF SURPLUS ITEMS
ORDINANCE NO. 20-O-0018

REQUESTING TO BE REMOVED	Serial # / VIN # / ID #	Qty
Woods Ditch Mower Attachement, Model R105-2 (from unit 514)	SN: 771849	1
2010 BMW 750 LIA Sedan, confiscated vehicle (unit 305)	VIN WBAKB8C59ACY64213	1
Hach Test Kit, Pocket Colonmeter, CL2, Fe, with case	n/a	2
Medi Bins, plastic 5 bin unit	n/a	4
Air Pac, SCBA, MSA, in carrying case	n/a	1
Air Pac, SCBA, Scott, in carrying case	SN (Regulator) 99700018, 99700019	2
Air Pac cabinet, wall mount unit, Allegro Industries	n/a	1
Shop Vac, 16 gallon, with hose	n/a	2
Dish washer, Kenmore, under counter	n/a	1
Control board, GTCO Accu Tab	n/a	1
Cabinet, Roll File document storage	n/a	1
Dell Computer Monitor & stand	CN-ofp182-71618	1
Qickway water service thawing unit and hose	n/a	1
Flange bolts and nuts	n/a	200 (est.)
Honda 2 inch water pump	n/a	1
Computer keyboards, misc.	n/a	5
Regal chlorine gas detector, Series 300	n/a	1
MSA Hard hats, varoius, (orange and white)	n/a	44
DBI/SALA safety harness	SN 427318	1
SALA Easy Stop II, Safety Harness, Model 1230406	n/a	1
Metrotech Utility Locator and accessories, Model 850	n/a	1
Motorola HT750 Hand Held Radio, With charging base	SN 672TBC1212	1
Motorola HT750 Hand Held Radio, With charging base	SN 672TBC1243	1
Motorola HT750 Hand Held Radio, With charging base	SN 672TBC1188	1
Motorola Remote speaker/microphone for HT750	n/a	2
VHS tapes, various	n/a	33
Pressure gauges, various	n/a	4
Cord reel	n/a	1
Metal storage cabinet 12 inch x 24 inch	n/a	1
ProMinent Ph monitor/control	n/a	1
275 Gallon tote (used motor oil storage container)	n/a	1
StarTech.Com External CD/DVD Optical Drive	n/a	1
Extensioon cord, 100 ft.	n/a	1
Dell computer pointing device	PID LZ002B302C3	1
Communication Card, various	n/a	3
Sharp 1000 W.R 21 JCA Commercial Microwave oven	n/a	1
SuperScan 20" TV/VHS/DVD Combo, Model SSF420TR	SN V39498817	1
2" PVC lot of piping, fittings, valve, various used pieces	n/a	1
Honeywell Model 7900 Flow Chart Recorder	SN 0695	1
Ross Manufacturing Pull Over Harness (1998) Model 502800 A	n/a	1

ATTACHMENT "A"
LISTING OF SURPLUS ITEMS
ORDINANCE NO. 20-O-0018

Tool Box, Craftsman, 21" x 12" x 9"	n/a	1
Neptune 1 1/2" Water Meter	n/a	1
Siemens D-A181 Sitrans P Transmitter	n/a	2
US Robotics 33.6 Faxmodem	22TSY73E1374	1
Keyboard, underdesk mounted support tray	n/a	1
SCBA Escape Air Bottle with Mask	n/a	2
Root Cutting blades, sewer line various sizes	n/a	10
Refridgerator, 34", x 24" x 24", Marvel Scientific	n/a	1
Flow meter, in line, Water Specialties	n/a	2
Vacuum, stainless steel canister, wet/dry, Dayton model 6Z095E	n/a	1
A/C Unit, portable, SoleUSair Model LX-140/LX-140 BL	RO13008BRLX 140BL05002	1
ELGA Puretab VHQ-11-MK3	SN UII3J2115141	1
Sample bottles, 10 Ml, Cat no. 21228	n/a	22
Electrode, Orion, various purpose	n/a	7
Portable Meter Test Kit, ATI Orion model 290A	SN 004942	1
Benchtop PH/ISE ATI Orion Model 92 A Meter	SN 004008	1
Colorimeter, Hach Model DR100	SN 900142806	1
Meter, Cole Parmer PH 10 Series	SN 60887	1
VWR Scientific ProductsTtiramax	50 07040 047	1
Digital Titrator Kit, Hach model HAC-DT cat# 20639-00	n/a	1
Total Phosphate test kit, Hach model PO-24 cat# 2250-01	n/a	1
9 volt power supply, various	n/a	3
Pocket Colonmeter, carrying case only	n/a	1
Printer paper, ATI Orion Series A, 10 pack	n/a	1
PC Interface Cable, ATI Orion Series A, 0ACBL0	n/a	1
Chair, Metal folding, Brown	n/a	1
Table, 6 ft. confrence style, rolling table (missing leg)	n/a	1
Center consule, removed from Police vehicle when fitted with emergency equipment , various	n/a	5
Ash tray power point unit, removed from police vehicle when fitted with emergency equipment, varioius	n/a	5
Valve Exerciser Tool	n/a	1
Water Valve insert	n/a	1
Fall protection Harness, North model no. FPB2185E	n/a	4
Fall protection Rose, Dyna Brake Shock absorber	n/a	1
Fall Protection lanyard, North model FPO 100	n/a	2
Evidence storage rack, 21 basket system, Kaspar Wire Works (PD)	n/a	1
1992 Case 621 parts manual, incomplete.	n/a	1
1992 Case 621 Loader service manuals, complete.	n/a	2
1983 Case 580SE service manual, complete.	n/a	1
1983 Case 580 Super E operators manual, complete.	n/a	1
1989 Case 680L parts manual, complete.	n/a	1

ATTACHMENT "A"
LISTING OF SURPLUS ITEMS
ORDINANCE NO. 20-O-0018

1991 Case 680L parts manual, complete. Pages held together with zip ties, spiral broke.	n/a	1
1983 Case 580 Super E repair manual, complete, spiral broken.	n/a	1
1991 Case 680L service manual, complete.	n/a	1
1976 Case 680 CK Series E service manual, complete.	n/a	1
USED LIGHTING BALLASTS 400 HPS	na	60
SHOP FAN - BAD MOTOR	na	1
USED FLOURENSCENT LIGHTING BALLASTS	na	40
USED A/C WINDOW UNITS - BAD COMPRESSORS	na	3
OLD RUSTED EXPANDED STEEL TABLE	na	1
OLD USED TOILET	na	1
SLIDING GLASS COUNTER WINDOW - being replaced	na	1

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 20-R-0046 – Contract Award – Hushion Pavement Maintenance, Inc. for Parking Lot Sealcoating and Striping Services at Various City Owned Facilities During Fiscal Year 2020

AGENDA ITEM NUMBER: 4.B.

COMMITTEE AGENDA DATE: September 3, 2020

COUNCIL AGENDA DATE: September 8, 2020

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

SIGNATURE 

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Public Works recently sought pricing for sealcoating and striping services of:

- City Hall Parking Lot
- Police Station Parking Lot
- Water Treatment Plant Parking Lot
- Salt Storage Facility Parking Lot (1350 W. Hawthorne Lane)
- Glen Oak Cemetery
- Driveways at all Well and Lift Stations

Proposals were sought from five contractors who had previously performed sealcoating and striping services for the City, or who previously requested to be placed on the City vendor list. Only two contractors responded to the City's RFP and I have attached a tabulation of pricing received. Hushion Pavement Maintenance, Inc.'s proposals, which totaled \$42,059.00, were substantially lower than Midwest Sealcoat's proposals of \$112,836.00.

It is staff's opinion that the proposals received, and/or reason other contractors did not submit a proposal, were reflective of the performance requirements identified in the City's Request For Proposal (RFP) documents, which included:

1. Contractor must be able to complete work prior to November 1, 2020.
2. Contractor must be willing to perform services in phases, after normal business hours, and/or on weekends, if determined necessary by City.
3. Contractor must comply with City's insurance requirements.
4. Payment of prevailing wages will be required with submittal of waivers of lien and certified payroll where appropriate and applicable.

The last time these parking lots received a protective layer of sealcoat was 2016. Sealcoating of parking lot(s) is a tried and proven maintenance method to help preserve the integrity, visual appeal, safety, and durability of the property. It can be very costly to replace or fix the asphalt in the parking lot after harsh winter weather, but the City can save significant dollars by remaining proactive with its maintenance programs. When sealcoating is applied to a parking lot surface, it adds a protective layer that acts as a barrier between the harsh environment's wear and tear, and the asphalt of your parking lot. It is advisable to refresh the asphalt's topcoat once every two or three years to maintain the durability, vitality, and

CITY OF WEST CHICAGO

usability of the pavement. Without proper maintenance, a parking lot can fall apart beyond repair, and will then need to be replaced at significant cost. Sealcoating is extremely important in the maintenance of a parking lot for many reasons, including the following:

1. Extension in the life of the parking lot; and,
2. Prevent high repair costs; and,
3. Blocks the drying effects of the sun and protects against freeze and water; and,
4. Prevent damage from auto fluids; and,
5. Keep the parking lot looking acceptable and maintained.

For appearance, pavement preservation, and to help delay significant replacement costs, staff recommends awarding a contract to Hushion Pavement Maintenance, Inc., of West Chicago, Illinois, for an amount not to exceed \$42,059.00, for parking lot sealcoating and striping services at various City owned facilities during fiscal year 2020.

Adequate funds are available in the Capital Projects Fund (08-34-53-4801), Water Fund (06-34-48-4806 & 06-34-47-4420), Sewer Fund (05-34-43-4402), and the General Fund (01-09-23-4225) to cover the cost of service, depending on location.

ACTIONS PROPOSED:

Approve Resolution No. 20-R-0046 authorizing the Mayor to execute a contract with Hushion Pavement Maintenance, Inc., for an amount not to exceed \$42,059.00, for parking lot sealcoating and striping services at various City owned facilities during fiscal year 2020.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 20-R-0046

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT WITH HUSHION PAVEMENT MAINTENANCE, INC. FOR PARKING LOT SEALCOATING AND STRIPING SERVICES AT VARIOUS CITY OWNED FACILITIES DURING FISCAL YEAR 2020

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 parking lot sealcoating and striping services at various City owned facilities during Fiscal Year 2020, between the City of West Chicago and Hushion Pavement Maintenance, Inc., for an amount not to exceed \$42,059.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 8th day of September, 2020.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

RFP Tabulation - 2020 Parking Lot Sealcoating and Striping

<u>Contractor</u>	<u>(08-34-53-4801) City Hall Parking Lot</u>	<u>(08-34-53-4801) Police Station Parking Lot</u>	<u>(06-34-48-4806) Water Treatment Plant</u>	<u>(08-34-53-4801) Salt Storage Facility Parking Lot</u>	<u>(01-09-23-4225) Glen Oak Cemetery</u>	<u>(06-34-47-4420) & (05-34-43-4402) Well & Lift Stations</u>
Hushion Pavement Maintenance, Inc., West Chicago, IL	\$4,023.00	\$5,011.00	\$14,074.00	\$9,675.00	\$4,976.00	\$4,300.00
Midwest Sealcoat, Batavia, IL	\$10,318.00	\$13,570.00	\$34,913.00	\$27,464.00	\$14,286.00	\$12,285.00
High Standard Services, Ltd., West Chicago, IL	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP
Damico Paving & Sealcoating, St. Charles, IL	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP
DNM Sealcoating, Inc., Elburn, IL	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP	No Response to RFP

RFP Notes:

- 1) RFP documents delivered August 7, 2020
- 2) RFP Responses were due by 3:30 p.m. on August 21, 2020
- 3) Contractor must be able to completed work prior to November 1, 2020
- 4) Contractor must be willing to perform services in phases, after normal business hours, and/or on weekends, if determined necessary by City.
- 5) Contracor must comply with City's insurance requirements.
- 6) Payment of prevailing wages will be required with submittal of waivers of lien and certified payroll where appropriate and applicable.

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 20-R-0047 - Contract Award – Heartland Recycling-Aurora CCDD, LLC for the 2020 Water Treatment Plant Waste Lime Sludge Removal Project

AGENDA ITEM NUMBER: 4.C.**COMMITTEE AGENDA DATE:** September 3, 2020**COUNCIL AGENDA DATE:** September 8, 2020**STAFF REVIEW:** Joseph A. Munder,
Water Treatment Plant Superintendent**SIGNATURE** **SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**ITEM SUMMARY:**

As part of the City's water treatment process, rotary hydrated lime is used to purify the raw water through a softening process. When the lime bonds with targeted minerals (i.e., radium, calcium, magnesium, etc.) sludge is generated. The sludge is transferred to three exterior holding lagoons until contractually removed. The last such project was completed in late 2018 for a total project cost of \$591,242.55.

For Fiscal Year 2020, within the Water Fund (06-34-48-4210), \$700,000.00 has been budgeted for removal and disposal of waste lime sludge from the City's Water Treatment Plant lagoons (1400 Hawthorne Lane). All removed sludge must be disposed of in an EPA approved landfill.

The project was advertised in the Daily Herald on August 4, 2020, and bids were opened on August 25, 2020. There were six plan holders but only one bid was received. Heartland Recycling-Aurora CCDD, LLC of Aurora, Illinois, submitted the only bid of \$55.00 per wet ton. This cost represents an increase of \$7.75 per wet ton over the per ton project costs in 2018.

Heartland Recycling-Aurora CCDD, LLC has provided waste lime sludge removal services for the City of West Chicago in 2008, 2013, and 2018, and performed well. Heartland's references have been checked with positive comments received. Staff recommends approving Heartland Recycling-Aurora CCDD, LLC as the lowest responsible bidder for the 2020 Water Treatment Plant Waste Lime Sludge Removal Project.

ACTIONS PROPOSED:

Approve Resolution No. 20-R-0047 authorizing the Mayor to execute a contract with Heartland Recycling-Aurora CCDD, LLC of Aurora, Illinois, for the removal and disposal of waste lime sludge from the City's Water Treatment Plant lagoons at the unit price of \$55.00 per wet ton, for the 2020 Water Treatment Plant Waste Lime Sludge Removal Project, for a total contract price not to exceed \$700,000.00.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 20-R-0047

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT WITH HEARTLAND RECYCLING-AURORA CCDD, LLC FOR PROFESSIONAL SERVICES RELATED TO THE 2020 WATER TREATMENT PLANT WASTE LIME SLUDGE REMOVAL 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 Services related to the 2020 Water Treatment Plant Waste Lime Sludge Removal Project, between the City of West Chicago and Heartland Recycling-Aurora CCDD, LLC, for the removal and disposal of waste lime sludge from the City's Water Treatment Plant lagoons at the unit price of \$55.00 per wet ton, for an amount not to exceed \$700,000.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 8th day of September, 2020.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 20-R-0049 - Contract Award – Thomas Engineering Group, LLC for Construction Oversight Services of Public Improvements to be Constructed by Pulte Home Company, LLC for the Trillium Farm Subdivision Development Project

AGENDA ITEM NUMBER: 4.D.**COMMITTEE AGENDA DATE:** September 3, 2020**COUNCIL AGENDA DATE:** September 8, 2020**STAFF REVIEW:** Robert E. Flatter, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Pulte Home Company, LLC is developing an 84 home subdivision, known as Trillium Farm, on approximately 34.97 acres of land generally located at the southeast corner of Gary's Mill Road and Purnell Road in unincorporated DuPage County. The subdivision includes construction of substantial public improvements, including, but not limited to, approximately 8,500 lineal feet of watermain and appurtenances, approximately 5,000 lineal feet of sanitary sewer main and appurtenance, approximately 7,000 lineal feet of storm sewer pipe and appurtenances, approximately 0.87 miles of residential roadways, approximately 27,300 square feet of public sidewalk, and a complete street light system.

With a Pre-Annexation Agreement executed between Pulte Home Company, LLC and the City of West Chicago, said public improvements will ultimately become the ownership and maintenance responsibility of the City of West Chicago. Therefore, despite the fact that said subdivision is being constructed in unincorporated DuPage County, it is extremely important that the City have full time inspection services conducted for all public improvements to ensure compliance with City standards.

Being most familiar with City's construction standards, staff desires to utilize Thomas Engineering Group, LLC for construction oversight services. Therefore, it is staff's recommendation that a contract be awarded to Thomas Engineering Group, LLC for construction oversight services related to the Trillium Farm Subdivision Development Project for an amount not to exceed \$109,830.24.

The above referenced services will be paid for using Capital Project Funds (08-34-53-4225); however, all costs incurred, plus a 25% administrative fee, will be reimbursed from Pulte Home Company, LLC per the Pre-Annexation Agreement and Appendix G of the City Code.

ACTIONS PROPOSED:

Approve Resolution No. 20-R-0049 authorizing the Mayor to execute a contract with Thomas Engineering Group, LLC for construction oversight services of public improvements, to be constructed by Pulte Home Company, LLC, for the Trillium Farm Subdivision Development Project, for an amount not to exceed \$109,830.24.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 20-R-0049

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT AGREEMENT WITH THOMAS ENGINEERING GROUP, LLC
FOR CONSTRUCTION OVERSIGHT SERVICES OF PUBLIC
IMPROVEMENTS TO BE CONSTRUCTED BY PULTE HOME COMPANY,
LLC FOR THE TRILLIUM FARM SUBDIVISION DEVELOPMENT 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 Construction Oversight Services of public improvements to be constructed by Pulte Home Company, LLC. for the Trillium Farm Subdivision Development Project, between the City of West Chicago and Thomas Engineering Group, LLC, for an amount not to exceed \$109,830.24, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 8th day of September 2020.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

City Clerk Nancy M. Smith

August 27, 2020

Mr. Robert E. Flatter, P.E.
Director of Public Works
City of West Chicago Office of the Director of Public Works
1400 W. Hawthorne Lane
West Chicago, IL 60185

Re: Proposal for Construction Engineering Services for Trillium Farm Phase 1, 2, & 3

Dear Mr. Flatter:

Thomas Engineering Group, LLC (TEG) respectfully submits the enclosed proposal to the City of West Chicago. TEG is enthusiastic about the opportunity to work with the City to provide professional engineering services for the Trillium Farm development located at the former Planter's Palette garden center at the southeast corner of Garys Mill Road and Purnell Road.

Our team possesses an excellent understanding of the City's processes and procedures for roadway and utility construction. Over the past twelve years, our firm has overseen over 75 capital improvement projects and over \$30 million in construction costs throughout the City. We know the City's expectations and look forward to exceeding those goals during this assignment.

We are very excited about this opportunity and are proposing our very best staff for this important project. Our proposed Project Principal, Kevin VanDeWoestyne, P.E., ENV SP, Project Manager, Doug Masters, and Lead Inspector, Jake Kelley, have gained firsthand knowledge of managing successful projects in West Chicago. They understand the important issues valued by the City staff, citizens, and elected officials.

What separates us from the other firms is our service—our trademark is **service at the highest grade®**. TEG has been able to grow by servicing each client individually and bringing value to their community. We deliver large firm experience with small firm service. We are truly excited about the opportunity of working with the City.

If you have any questions or require additional information, please call me at (847) 815-9500 or by e-mail at kevinv@thomas-engineering.com.

Sincerely,
thomas engineering group, llc



Kevin C. VanDeWoestyne, P.E., ENV SP
Municipal Department Head

Enclosures: Proposal for Construction Engineering Services for Trillium Farm Phase 1, 2, & 3
BDE 220A Estimate of Time
Cost Estimate of Consultant Services (CECS)
Resume for Jake Kelley



City of West Chicago Professional Engineering Services Trillium Farm – Phase 1, 2, & 3

The City of West Chicago is seeking professional engineering services for construction inspection/observation for the Trillium Farm subdivision development. The development consists of a 3 phase, 84 residential single family home development by Pulte Home Company, LLC. The development is located on approximately 35 acres at the former Planter’s Palette garden center at the southeast corner of Garys Mill Road and Purnell Road. The offsite improvements and Phase 1 onsite improvements are scheduled to begin immediately. The schedule of future, subsequent phases will be determined by sales and the demand for homes in Trillium Farm.

PROJECT UNDERSTANDING

TEG has reviewed the engineering plans for Trillium Farm – Phase 1, 2, & 3, prepared by CEMCON, Ltd. We understand that the development consists of the installation of onsite utilities including water main, sanitary sewer, storm sewer, and street lighting infrastructure to accommodate this new residential home development. Our team understands the importance of using quality construction methods to protect the City from future maintenance issues. We proposed to oversee all critical components of utility and roadway construction to ensure that they are constructed in accordance with the applicable project, state, and local standards accepted by the City.

**FINAL SITE DEVELOPMENT PLANS
FOR
TRILLIUM FARM - PHASE 1, 2 & 3
DUPAGE COUNTY, ILLINOIS
WATERMAIN-SANITARY SEWER-STREET-STREET LIGHTING
AND DRAINAGE IMPROVEMENTS**

LEGEND

SYMBOL	PROPOSED	DESCRIPTION
---	0.5'	WATERMAIN
---	12"	SEWER MAIN
---	18"	SEWER MAIN
---	24"	SEWER MAIN
---	30"	SEWER MAIN
---	36"	SEWER MAIN
---	42"	SEWER MAIN
---	48"	SEWER MAIN
---	54"	SEWER MAIN
---	60"	SEWER MAIN
---	66"	SEWER MAIN
---	72"	SEWER MAIN
---	78"	SEWER MAIN
---	84"	SEWER MAIN
---	90"	SEWER MAIN
---	96"	SEWER MAIN
---	102"	SEWER MAIN
---	108"	SEWER MAIN
---	114"	SEWER MAIN
---	120"	SEWER MAIN
---	126"	SEWER MAIN
---	132"	SEWER MAIN
---	138"	SEWER MAIN
---	144"	SEWER MAIN
---	150"	SEWER MAIN
---	156"	SEWER MAIN
---	162"	SEWER MAIN
---	168"	SEWER MAIN
---	174"	SEWER MAIN
---	180"	SEWER MAIN
---	186"	SEWER MAIN
---	192"	SEWER MAIN
---	198"	SEWER MAIN
---	204"	SEWER MAIN
---	210"	SEWER MAIN
---	216"	SEWER MAIN
---	222"	SEWER MAIN
---	228"	SEWER MAIN
---	234"	SEWER MAIN
---	240"	SEWER MAIN
---	246"	SEWER MAIN
---	252"	SEWER MAIN
---	258"	SEWER MAIN
---	264"	SEWER MAIN
---	270"	SEWER MAIN
---	276"	SEWER MAIN
---	282"	SEWER MAIN
---	288"	SEWER MAIN
---	294"	SEWER MAIN
---	300"	SEWER MAIN
---	306"	SEWER MAIN
---	312"	SEWER MAIN
---	318"	SEWER MAIN
---	324"	SEWER MAIN
---	330"	SEWER MAIN
---	336"	SEWER MAIN
---	342"	SEWER MAIN
---	348"	SEWER MAIN
---	354"	SEWER MAIN
---	360"	SEWER MAIN
---	366"	SEWER MAIN
---	372"	SEWER MAIN
---	378"	SEWER MAIN
---	384"	SEWER MAIN
---	390"	SEWER MAIN
---	396"	SEWER MAIN
---	402"	SEWER MAIN
---	408"	SEWER MAIN
---	414"	SEWER MAIN
---	420"	SEWER MAIN
---	426"	SEWER MAIN
---	432"	SEWER MAIN
---	438"	SEWER MAIN
---	444"	SEWER MAIN
---	450"	SEWER MAIN
---	456"	SEWER MAIN
---	462"	SEWER MAIN
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---	474"	SEWER MAIN
---	480"	SEWER MAIN
---	486"	SEWER MAIN
---	492"	SEWER MAIN
---	498"	SEWER MAIN
---	504"	SEWER MAIN
---	510"	SEWER MAIN
---	516"	SEWER MAIN
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---	534"	SEWER MAIN
---	540"	SEWER MAIN
---	546"	SEWER MAIN
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---	570"	SEWER MAIN
---	576"	SEWER MAIN
---	582"	SEWER MAIN
---	588"	SEWER MAIN
---	594"	SEWER MAIN
---	600"	SEWER MAIN
---	606"	SEWER MAIN
---	612"	SEWER MAIN
---	618"	SEWER MAIN
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---	660"	SEWER MAIN
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---	672"	SEWER MAIN
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---	690"	SEWER MAIN
---	696"	SEWER MAIN
---	702"	SEWER MAIN
---	708"	SEWER MAIN
---	714"	SEWER MAIN
---	720"	SEWER MAIN
---	726"	SEWER MAIN
---	732"	SEWER MAIN
---	738"	SEWER MAIN
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---	750"	SEWER MAIN
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---	762"	SEWER MAIN
---	768"	SEWER MAIN
---	774"	SEWER MAIN
---	780"	SEWER MAIN
---	786"	SEWER MAIN
---	792"	SEWER MAIN
---	798"	SEWER MAIN
---	804"	SEWER MAIN
---	810"	SEWER MAIN
---	816"	SEWER MAIN
---	822"	SEWER MAIN
---	828"	SEWER MAIN
---	834"	SEWER MAIN
---	840"	SEWER MAIN
---	846"	SEWER MAIN
---	852"	SEWER MAIN
---	858"	SEWER MAIN
---	864"	SEWER MAIN
---	870"	SEWER MAIN
---	876"	SEWER MAIN
---	882"	SEWER MAIN
---	888"	SEWER MAIN
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---	900"	SEWER MAIN
---	906"	SEWER MAIN
---	912"	SEWER MAIN
---	918"	SEWER MAIN
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---	942"	SEWER MAIN
---	948"	SEWER MAIN
---	954"	SEWER MAIN
---	960"	SEWER MAIN
---	966"	SEWER MAIN
---	972"	SEWER MAIN
---	978"	SEWER MAIN
---	984"	SEWER MAIN
---	990"	SEWER MAIN
---	996"	SEWER MAIN
---	1002"	SEWER MAIN

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03	CONTRACT SPECIFICATIONS - STREET LIGHTING
04	CONTRACT SPECIFICATIONS - WATERMAIN
05	CONTRACT SPECIFICATIONS - STORM SEWER
06	CONTRACT SPECIFICATIONS - UTILITIES
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10	CONTRACT SPECIFICATIONS - EXISTING STREETS
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LOCATION MAP

BENCH MARKS

STANDARD BENCH MARKS:
THESE BENCH MARKS ARE TO BE USED FOR THE DETERMINATION OF THE LOCATION OF ALL UTILITIES, STREETS, AND DRIVEWAYS. THE BENCH MARKS ARE TO BE PLACED AT THE CORNERS OF ALL LOTS AND AT THE INTERSECTIONS OF ALL ALLEYS, DRIVEWAYS, AND SIDEWALKS. THE BENCH MARKS ARE TO BE PLACED AT THE CORNERS OF ALL LOTS AND AT THE INTERSECTIONS OF ALL ALLEYS, DRIVEWAYS, AND SIDEWALKS. THE BENCH MARKS ARE TO BE PLACED AT THE CORNERS OF ALL LOTS AND AT THE INTERSECTIONS OF ALL ALLEYS, DRIVEWAYS, AND SIDEWALKS.

FOR UNDERGROUND UTILITY LOCATIONS, CALL **J.U.L.I.E.** TOLL FREE TEL. 1-800-893-8188 ext. 811

CEMCON, Ltd.

Professional Engineering Services
1111 North Purnell Road
West Chicago, IL 60185
TEL. 708-441-1212
WWW.CEMCON.COM

REVISIONS

NO.	DATE	REVISION
1		
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PROFESSIONAL ENGINEER'S CERTIFICATION

STATE OF ILLINOIS
COUNTY OF DUPAGE
I, _____, PE No. _____, LICENSE NO. _____, DO HEREBY CERTIFY THAT THE FOREGOING PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS.
DATE OF THIS CERTIFICATION: _____ A.D. 2019

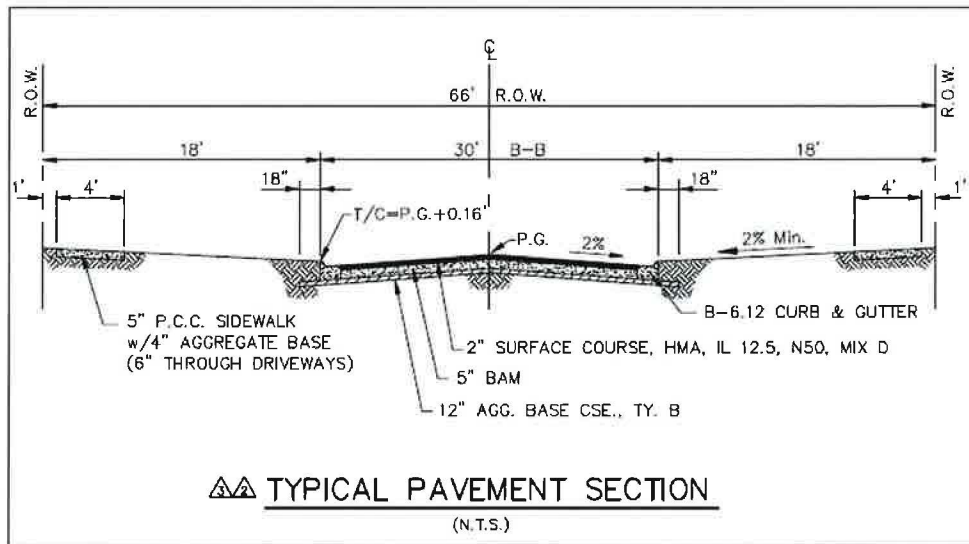
CEMCON, Ltd. (Professional Engineer's License Number: 161-004457)
1111 North Purnell Road
West Chicago, IL 60185
TEL. 708-441-1212

JOB NO. 102135
COMPLETION DATE: DECEMBER 4, 2019
SHEET 1 OF 27



City of West Chicago
Professional Engineering Services
Trillium Farm – Phase 1, 2, & 3

In addition to the underground utilities, a typical roadway section consisting of PCC sidewalk, combination concrete curb and gutter, and full-depth HMA pavement will be constructed within the proposed public ROW. TEG understands the importance of subgrade stabilization as it relates to the longevity of the roadway, curb, and sidewalk network.



Offsite infrastructure improvements include extensions of the City's existing water main and sanitary sewer mains along Garys Mill, Purnell Road, and Roosevelt Road (IL Route 38) to bring utilities on site. TEG has excellent experience with water and sewer construction along local and state routes in the City.

FINAL SITE DEVELOPMENT PLANS FOR WEST CHICAGO SOUTH EAST UTILITY EXTENSION WEST CHICAGO/DUPAGE COUNTY, ILLINOIS WATERMAIN-SANITARY SEWER-STREET AND DRAINAGE IMPROVEMENTS

LEGEND

WATER MAIN

UNION

12"

8"

6"

4"

2"

1.5"

1"

0.75"

0.5"

0.25"

Sanitary Sewer

12"

8"

6"

4"

2"

1.5"

1"

0.75"

0.5"

0.25"

Storm Sewer

12"

8"

6"

4"

2"

1.5"

1"

0.75"

0.5"

0.25"

Utility

12"

8"

6"

4"

2"

1.5"

1"

0.75"

0.5"

0.25"

Other

12"

8"

6"

4"

2"

1.5"

1"

0.75"

0.5"

0.25"

LOCATION MAP

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BENCH MARKS

PROVISIONAL ENGINEER'S CERTIFICATION

DATE OF WORK: 10/24/13
 PROJECT NO: 13-001
 SHEET NO: 1.01
 PROJECT: WEST CHICAGO SOUTH EAST UTILITY EXTENSION

FOR UNDERGROUND UTILITY LOCATIONS, CALL 3-1-1 OR 708-651-4300. TOLL FREE TEL: 1-800-333-8822 AT 911

CITY OF WEST CHICAGO
175 MAIN STREET
WEST CHICAGO, IL 60450
(708) 282-2700

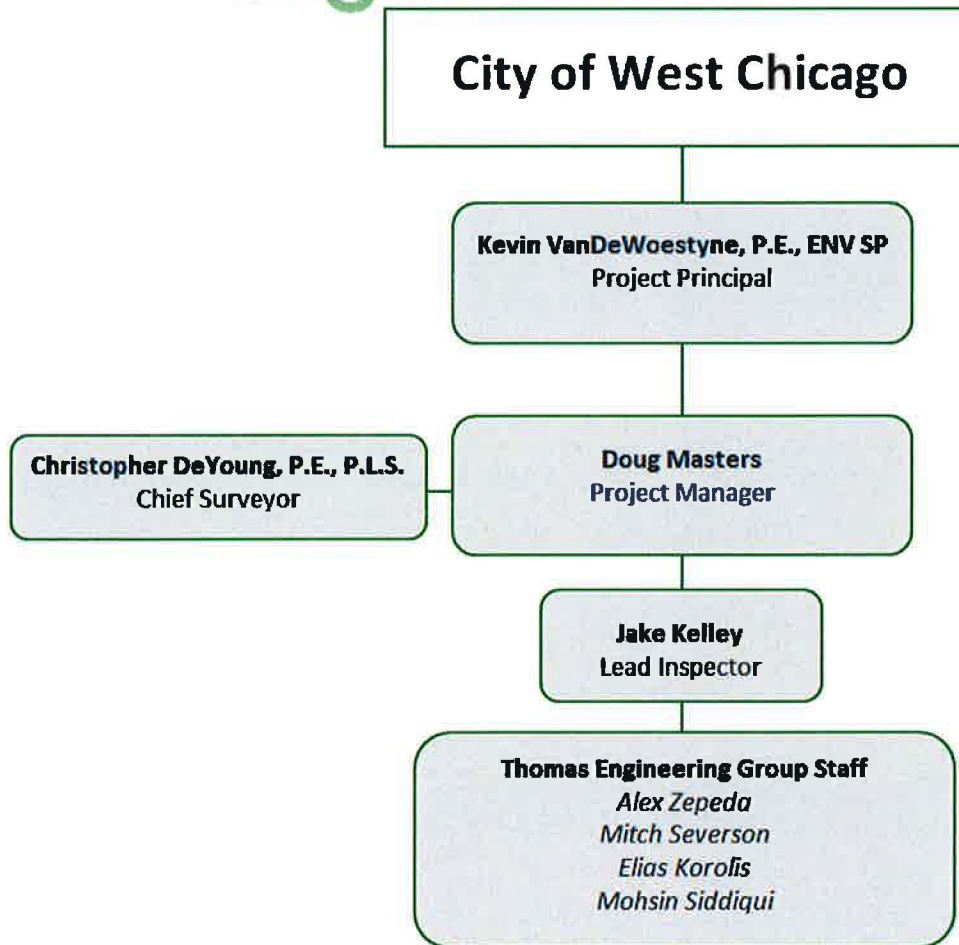
CEMCON, Ltd.
200 E. Madison Street
West Chicago, IL 60450
(708) 282-2700

NO.	DATE	BY	APP. BY	DESCRIPTION
1	10/24/13	TEG	TEG	ISSUED FOR PERMIT

Our team understands the context of this project and is looking forward to working with the City to deliver the necessary inspections, review of shop drawings and inspection reports, and overall construction contract administration. We are committed to performing this project at the highest level and make this our most important assignment. The people identified for this project are City-trusted personnel and who are committed to providing long-term value for the City of West Chicago.

The following is an organizational chart and brief descriptions of the personnel committed to this project and their roles on the team which are followed by brief descriptions of past project experience of the proposed team.

Organizational Chart



CONSTRUCTION ENGINEERING TEAM

TEG will provide a single point of contact, **Doug Masters, Project Manager**, who will be responsive to any City or Developer inquiry within 24 hours. Having led the City's municipal engineering services for well over the past 5 years, Mr. Masters understands all aspects of private development review and oversight of construction improvements in the City of West Chicago. Doug's primary role is to be the sole point of contact for the City and lead all inspections by assigning the appropriate technical personnel shown in the organization chart. Mr. Masters will schedule and communicate each inspection task within 24 business hours from the time of notification. TEG understands the importance of being responsive during fast moving construction activities and we are committed to responding within the 24 hour requirement, and will make every effort to respond sooner if needed. TEG wants to be an active part of the development process and therefore will strive to not be the reason that construction doesn't start on time. We will work with the developer and the developer's engineer to keep projects from being delayed.

Doug will coordinate all construction activities with our **Lead Inspector, Jake Kelley**. Mr. Kelley has over 5 years of construction experience in construction management and inspection. He has knowledge and experiences pertaining to highway reconstruction as well as with PCC pavement, asphalt pavement, drilled shafts, noise wall, storm sewer, cleaning and televising storm sewers, sign fabrication and installation, and more. Specific responsibilities include documentation of construction activities and contract quantities, plan review, invoice review, submittal review, and quantity verification.

Our field team will be supported by **Kevin VanDeWoestyne, P.E., ENV SP, Project Principal**. Mr. VanDeWoestyne has extensive experience as a resident engineer and project manager involving construction observation and administration for transportation projects, municipal utilities, wastewater pumping and conveyance systems, water supply and distribution systems, plan preparation, and surveying. He has extensive knowledge in water main, sanitary sewer, drainage, and roadway construction.

SCOPE OF SERVICES

Private development inspections associated with infrastructure improvements for the Trillium Farm development are expected to include the following components:

1. Off Site Utilities – TEG will provide full-time inspection to bring water and sewer distribution systems to the Trillium Farm site development from Garys Mill and Roosevelt Road.
 - A. Water Main
 - Pressure or other connections to existing water supply.
 - Pipe and structure placement.
 - City required hydrostatic testing and chlorination.
 - B. Sanitary Sewer Infrastructure
 - Connections to existing structures.
 - Inspection prior to aggregate cover and backfill.
 - City required mandrel and air testing.
 - Vacuum testing manholes.



City of West Chicago
Professional Engineering Services
Trillium Farm – Phase 1, 2, & 3

2. On Site Utilities – TEG will provide full-time inspection during pipe and structure placement for all water main, sanitary sewer, and storm sewer installation where appropriate, within City ROW or locations that will become City jurisdiction.
 - A. Water Main
 - Pressure or other connections to existing water supply.
 - Pipe and structure placement.
 - City required hydrostatic testing and chlorination.
 - B. Sanitary Sewer Infrastructure
 - Connections to existing structures.
 - Inspection prior to aggregate cover and backfill.
 - City required mandrel and air testing.
 - Vacuum testing manholes.
 - C. Storm Sewer Infrastructure
 - Connections to existing structures.
 - Inspection prior to aggregate cover and backfill.
 - D. Street Lighting Infrastructure
 - Electrical Service Connections
 - Foundations
 - Street Lighting Assemblies
3. Roadway, Pavement, & Sidewalk – TEG will provide full-time inspection during subgrade stabilization and base course installation and full-time inspection during placement of all combination concrete curb and gutter, PCC sidewalk, and HMA pavement.
4. Overall Monitoring of Construction Activities
 - A. Traffic Control & Protection – TEG’s staff will monitor daily construction activities including impacts to traffic, proper signage, construction entrances, and dust control. TEG will pay special attention to traffic control and immediately report and seek corrections of any deficiencies with the developer and the contractor. However, TEG does not anticipate completing formal daily or weekly traffic control inspections, unless otherwise directed by the City.
 - B. Erosion and Sediment Control – TEG’s on site staff will assess the erosion and sediment control devices and and seek corrections of any deficiencies with the developer. However, it is our understanding that the all maintenance and inspection responsibilities under the Storm Water Pollution Prevention Plan (SWPPP) will be performed by the developer’s representative. This includes inspection of disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall and shall



continue until the site complies with the Final Stabilization section of this SWPPP.

- C. Landscaping – TEG will inspect all landscaping items in the public ROW or those covered under agreement with the City to be planted. This will include but is not limited to topsoil, plantings, sod, seed, rip rap, etc.

Exclusions from TEG Scope of Work: Erosion and sediment control reporting, mass grading, earth excavation, and construction layout and staking are excluded from our proposed scope of services unless otherwise requested by the City.

TEG's scope of services for specific work items is outlined above. Generally, TEG will provide inspection for all roadway, pavement, water main, sanitary sewer, and storm sewer installation. Material testing will be under a separate contract with the developer to provide Quality Control (QC) testing of roadway subgrade, aggregate subgrade/base course, combination concrete curb and gutter, PCC sidewalk, and HMA pavement as requested by the City. TEG will coordinate with the developer's material testing firm as necessary. The following is a listing of the scope of services presented in a logical sequence.

PRE-CONSTRUCTION PHASE

1. Review the status of all permit requirements and verify contractor is in compliance prior to beginning the associated construction activity.
2. Set up field books, quantity book, diary or other forms of documentation.
3. Verify layout control if contractor has responsibility for staking, otherwise perform construction layout and staking ongoing throughout project.
4. Review submittal and record drawing requirements with contractor.
5. Check and approve, or reject and request re-submittal of, any submittals made by the contractor for compliance with the contract documents.
6. Notify the City of upcoming activities that will impact access, including, but not limited to road closures, driveway access interruption, or temporary utility shut downs.
7. Attendance of a pre-construction meeting, up to 3 meetings.

CONSTRUCTION PHASE

Our entire Construction staff is currently certified in IDOT's Documentation of Quantities to ensure proper inspection and documentation of the work performed.

1. Observe the progress and quality of the executed work. Determine if the work is proceeding in accordance with the Contract Documents. TEG will keep the City informed of the progress of the work, guard the City against defects and deficiencies in the work, advise the City of all observed deficiencies of the work and disapprove or reject all work failing to conform to the Contract Documents.
2. Maintain daily contact with City. Inform them of progress on the project as well as any cost or quality related issues that may develop. Also help to coordinate between the contractor and any other agency officials that may have an interest in the project.
3. Maintain daily contact with the contractor to determine work schedules, coordinate underground work affecting access with appropriate parties, determine paving and concrete placement dates, and adherence to overall project schedule. Update the schedule on a weekly



**City of West Chicago
Professional Engineering Services
Trillium Farm – Phase 1, 2, & 3**

basis and compare updated completion dates with those specified in the contract, and inform the City of any discrepancies. Should the project fall behind schedule, direct contractor to produce a recovery schedule and work with the contractor and the City to determine appropriate action to get back on schedule.

4. Provide on-site observations of the work in progress and field checks of contractor methods, materials and equipment through the Resident Engineer or Inspector, who will:
 - a. Coordinate with appropriate Public Works departments as necessary as contractor progresses work on sanitary & storm sewer, and water main improvements. Ensure contractor is following applicable City standards and specifications during installation.
 - b. Serve as the City liaison with the contractor working principally through the contractor's field superintendent.
 - c. Attend all construction conferences. Arrange a schedule of progress meetings and other job conferences as required. Maintain and circulate copies of records of the meetings.
 - d. Ensure layout is accurate and complete.
 - e. Maintain orderly files of correspondence, reports of job conferences, shop drawings, contractor's request for information, and other submissions, reproductions or original contract documents including all addenda, change orders and additional drawings issued subsequent to the start of the contract.
 - f. Maintain inspector's daily report book in the City's preferred format, or other required format appropriate for the project, recording hours on the job site, weather conditions, general and specific observations, daily activities, quantities placed, inspections, decisions, and list of visiting officials.
 - g. Coordinate material testing with the City and/or contractor's quality control team and schedule all necessary inspections in order to keep the work proceeding in a timely fashion.
 - h. Except upon written instructions from the City, the Resident Engineer or Inspector shall not authorize any deviation from the Contract Documents.
 - i. Determine if the project has been completed in accordance with the contract document and if the contractor has fulfilled all obligations.
 - j. Periodically review the contractor's set of working drawings, updated regularly, to show final elevations and locations of all underground.
 - k. Expedite acceptance of the project by maintaining a running punch list that informs the contractor of any deficient items and allows them time to correct deficiencies during the course of construction.
 - l. Conduct a final inspection with the City and prepare a final punch list of corrective or incomplete work.
 - m. Expedite final acceptance by obtaining material inspections and certifications before the items are incorporated in the project.
 - n. Verify that all punch list items have been completed and make recommendations to the City for final acceptance. Assist the City in determining if the project was completed in accordance with the contract documents.
 - o. Document the location (vertically and horizontally) of sewer and water utilities.



**City of West Chicago
Professional Engineering Services
Trillium Farm – Phase 1, 2, & 3**

COST PROPOSAL

The anticipated scope of services, described herein, is based on the engineering plans for Trillium Farm – Phase 1, 2, & 3 prepared by CEMCON, Ltd., discussions held at the preconstruction meeting on August 26, 2020 regarding the proposed construction schedule/duration, and the Estimate of Time (BDE 220A) prepared by TEG based on CEMCON's Engineer's Estimate of Probable Cost (EOPC). Based on the Estimate of Time to construct all water, sewer, drainage, and roadway improvements, 110 calendar days of construction are anticipated for all off site and on site improvements, including all 3 phases. We propose to invoice only for the actual number of hours required, at the Hourly Billing Rate for each individual assigned to the Project based on a direct labor multiple (DLM) of 2.6. As a courtesy to the City, no direct vehicle or equipment will be billed to the project.

The total CECS is \$109,830.24 for all off site and on site improvements, including all 3 phases. The estimated cost of engineering for the initial off site and on site Phase 1 is \$70,291.35, as seen below. Please refer to the attached BDE 220A form and Cost Estimate of Consultant Services (CECS).

PHASE	EOPC	%	ENGINEERING FEE
Off Site	\$ 789,715.96	18%	\$ 19,769.44
Phase 1	\$ 1,995,278.12	46%	\$ 50,521.91
Phase 2	\$ 1,090,985.12	25%	\$ 27,457.56
Phase 3	\$ 461,052.30	11%	\$ 12,081.33
	\$ 4,337,031.50	100%	\$ 109,830.24






Estimate of Time Required

Route Trillium Farm - Phase 1, 2, & 3
 Section _____
 County DuPage
 Project Trillium Farm - Phase 1, 2, & 3

Item	Unit (Check One)	Quantity	Rate Per Day	Days	Days Not Affecting Time	Total Days Required
	<input checked="" type="checkbox"/> English <input type="checkbox"/> Metric					
OFF SITE						
8" DUCTILE IRON WATER MAIN PIPE, DIRECTIONALLY DRILLED	FOOT	1,604	250	6.0	2.00	4.00
8" DUCTILE IRON WATER MAIN PIPE	FOOT	2,192	500	4.0		4.00
STEEL CASING PIPE, 20"	FOOT	95	100	1.0	1.00	
VALVE VAULTS, 5' DIAMETER	EACH	3	4	1.0	1.00	
FIRE HYDRANTS	EACH	11	5	2.0	2.00	
CONNECTION TO EXISTING WM	EACH	1	1	1.0		1.00
WATER MAIN TESTING AND CHLORINATION	EACH	1	0.5	2.0	2.00	
8" SDR 26 SANITARY SEWER PIPE, 8'-16' DEEP	FOOT	838	250	3.0		3.00
8" SDR 18 SANITARY SEWER PIPE	FOOT	705	150	5.0		5.00
SANITARY SEWER MANHOLES, 4' DIAMETER	EACH	8	3	3.0	3.00	
STEEL CASING PIPE, 20"	EACH	65	100	1.0	1.00	
CONNECTION TO EXISTING	EACH	1	1	1.0		1.00
SANITARY SEWER TESTING	EACH	1	0.5	2.0	2.00	
ON SITE						
8" DUCTILE IRON WATER MAIN PIPE	FOOT	4,733	500	9.0		9.00
VALVE VAULTS, 5' DIAMETER	EACH	9	4	2.0	2.00	
FIRE HYDRANTS	EACH	15	5	3.0	3.00	
WATER SERVICE (LONG)	EACH	25	5	5.0	5.00	
WATER SERVICE (SHORT)	EACH	59	10	6.0		6.00
WATER MAIN TESTING AND CHLORINATION	EACH	3	0.5	6.0	6.00	
8" SDR 26 SANITARY SEWER PIPE, 8'-16' DEEP	FOOT	1,787	250	7.0		7.00
8" SDR 21 SANITARY SEWER PIPE, 16'-20' DEEP	FOOT	679	150	5.0		5.00
8" SDR 18 SANITARY SEWER PIPE, 20'-24' DEEP	FOOT	828	100	8.0		8.00
SANITARY SEWER MANHOLES, 4' DIAMETER	EACH	19	3	6.0	6.00	
8" SDR 26 SANITARY SEWER SERVICE (LONG)	EACH	55	5	11.0	11.00	
8" SDR 26 SANITARY SEWER SERVICE (SHORT)	EACH	29	10	3.0	3.00	
SANITARY SEWER TESTING	EACH	3	0.5	6.0	6.00	
RCP STORM SEWER, 12" - 24"	FOOT	5,924	500	12.0		12.00
RCP STORM SEWER, 27" - 42"	FOOT	1,002	300	3.0		3.00
STORM SEWER INLETS, 2' - 3' DIAMETER	EACH	17	5	3.0	3.00	
STORM SEWER MANHOLES, 4' - 5' DIAMETER	EACH	27	4	7.0		7.00
STORM SEWER CATCH BASINS, 3' - 6' DIAMETER	EACH	23	4	6.0	6.00	
STORM SEWER RESTRICTOR CATCH BASINS, 6' DIAMETER	EACH	1	1	1.0		1.00
PIPE UNDERDRAINS	FOOT	2,057	1,000	2.0	2.00	
FLARED END SECTIONS	EACH	17	5	3.0	3.00	
AGGREGATE SUBGRADE	SQ YD	14,430	1,500	10.0	5.00	5.00
AGGREGATE BASE COURSE, 4" (BENEATH CURB)	SQ YD	2,390	1,000	2.0	2.00	
AGGREGATE BASE COURSE, 12"	SQ YD	12,300	1,500	8.0		8.00
BAM, 5" N50	SQ YD	12,300	1,500	8.0		8.00
HMA SURFACE COURSE, 2", N50	SQ YD	12,300	6,000	2.0		2.00
PCC SIDEWALK	SQ FT	27,320	2,500	11.0	10.00	1.00
COMBINATION CC&G, TYPE B-6.12	FOOT	7,030	1,500	5.0		5.00
STREET LIGHTING UNIT DUCT	FOOT	3,500	1,000	4.0	4.00	
STREET LIGHTING ASSEMBLIES	EACH	14	3	5.0		5.00
Total Actual Working Days Required						110.00
Total Days from page one						
Total Days						110.00

Made by Kevin VanDeWoestyne, P.E. Date 8/26/2020 Checked by _____ Date _____
 _____ Regional Engineer

Trillium Farm - Phase 1, 2, & 3 Cost Estimate of Consultant Services

							TOTAL	
Thomas Engineering Group, LLC		MEETINGS	**SUBMITTALS	**CONSTRUCTION INSPECTION	**PUNCH LIST	SUBTOTAL		
*COVERAGE (Full-Time/Part-Time)>>		N/A	100%	100%	100%	N/A	HOURS	SALARY
*COST RATE								
PROJECT PRINCIPAL	\$ 75.00	6	6	0	0	12	12	\$ 900.00
PROJECT MANAGER	\$ 69.00	6	60	60	0	126	126	\$ 8,694.00
INSPECTORS	\$ 33.30	0	0	880	60	940	940	\$ 31,302.00
SURVEYOR	\$ 56.10	0	0	24	0	24	24	\$ 1,346.40
TOTAL		12	66	964	60	1102	1102	\$ 42,242.40

Assumptions:

- * 2020 Cost Rates
- ** 20 Hours per Phase
- 3 Total Phases
- Estimated 110 Days Total
- Work Effort 8 hrs/day

MULTIPLIER	
2.6	\$ 109,830.24
Direct Costs	\$ -
TOTAL	\$ 109,830.24

Direct Costs	GPS Unit	0	Months	@ \$500/MONTH	\$ -
	Vehicles	0	Days	@ \$55/Day	\$ -
	\$ -				

PROJECT PRINCIPAL Kevin VanDeWoestyne, P.E.
PROJECT MANAGER Doug Masters
TECHNICIANS/INSPECTOR Jake Kelley
CHIEF SURVEYOR Chris DeYoung, P.E., PLS

JAKE KELLEY

Resident Engineer

Mr. Kelley has over 5 years of construction experience in construction management and inspection. He has knowledge and experiences pertaining to highway reconstruction as well as with PCC pavement, asphalt pavement, drilled shafts, noise wall, storm sewer, cleaning and televising storm sewers, sign fabrication and installation, and more. Specific responsibilities include documentation of construction activities and contract quantities, plan review, invoice review, submittal review, and quantity verification.

PROJECT EXPERIENCE

PHASE II AND III, FOX LAKE N. FRONTAGE ROAD RECONSTRUCTION PROJECT, VILLAGE OF FOX LAKE – Resident Engineer. TEG was hired by the Village of Fox Lake to provide design and construction engineering services for the \$510K reconstruction of N. Frontage Road between IL Route 134 (Big Hollow Road) and approximately 150' south of W Bayview Drive. The length of the project was approximately 1,950 feet, or 0.37 miles. The work consisted of pavement removal, removal and disposal of unsuitable material, aggregate base course improvements, installation of combination concrete curb and gutter, steel plate beam guardrail improvements, utility structure adjustments, rip rap outlets, signage installation, Thermoplastic pavement markings, and final landscape restoration. TEG secured a Lake County permit for work at the intersection of Big Hollow Road, Lake County Highway A26. TEG also presented the project to the IDOT Detour Committee to obtain permission to utilize US-12 as the primary detour route. The project was constructed in a matter of three (3) stages in order to maintain access to the Fox Lake Crossing businesses. The project was completed under budget and on time.

PHASE III, WARRENVILLE ROAD RECONSTRUCTION, CITY OF WARRENVILLE – Resident Engineer. TEG was hired by the City to provide planning, design, and construction engineering services for this \$1.3M MFT funded pavement reconstruction project. The project consisted of removing the existing permeable pavers, pervious base course and sub-base cross section and replacing it with a conventional full-depth HMA pavement for approximately 1 mile between IL Route 56 and Batavia Road. Due to excessive traffic speeds and pedestrian safety concerns, the project also featured traffic calming measures such as landscape median islands, lane narrowing, bike crossing pavement markings, LED stop signs, and stamped crosswalks. TEG provided a traffic study report which identified the needs for additional stop control along the corridor.

PHASE III, INGENUITY WAY, CITY OF WEST CHICAGO – Resident Engineer. The City of West Chicago hired TEG to support the Development of Ingenuity Way owned by the DuPage Airport. Responsibilities include everything from engineering and inspection, contractor notifications, proof rolling and undercut inspections, asphalt inspections, sewer and water construction inspection, roadway construction inspection, lighting inspection, curb and gutter inspections, sidewalk and construction inspection.

PHASE III, LONDON AVENUE SANITARY REPLACEMENT, CITY OF WARRENVILLE – Resident Engineer. TEG was hired by the City of Warrenville to provide planning, design, and construction engineering services for this \$726,275 private sanitary sewer project. The project involved the installation of approximately 1,200 lineal feet of 12" sanitary sewer main via open cut and pipe bursting, sanitary sewer manholes, sanitary sewer services, restoration of disturbed areas and all incidental and collateral work necessary to complete the project.

thomas
engineering group
service at the highest grade.



EDUCATION

Western Illinois University
Macomb, IL
Bachelor of Science,
Construction Management

SELECTED CONTINUING EDUCATION

IDOT QC/QA PROGRAM
Documentation of Contract
Quantities (#19-15511 exp.
03/27/2023)

SAFETY TRAINING

OSHA 30-hour Construction
Safety

Standard First Aid/CPR/AED



PHASE III, SYSTEMWIDE CONSTRUCTION MANAGEMENT UPON REQUEST NON ROADWAY, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Construction Technician I. This contract provides for construction management services upon request systemwide. Task orders many Include inspection and management of construction contracts for facility repairs such as exhaust system repairs, parking lot rehabilitation, HVAC repairs, plumbing and drainage repairs, roof repairs, security enhancements, masonry repairs, electrical improvements, pavement marking, ATPMs and sign fabrication and installation.

PHASE III, I-355 VETERANS MEMORIAL MILE POST 0.0 TO MILE POST 12.3, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Construction Technician I. Contract was awarded just under \$1.3. Scope consists of replacement of existing High Pressure Sodium (HPS) roadway lighting with Light Emitting Diodes (LED) luminaires. Inspection of existing lighting mass arms, replacement of deficient mast arms and installation of mast arms and installation of mast arm cable assemblies. Replace existing HPS underpass lighting with LED luminaires. Upgrade existing lighting controllers, and the associated maintenance of traffic.

PHASE III, I-88 REAGAN MEMORIAL CLEAN AND TELEVISE DRAINAGE SYSTEM, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Construction Technician I. The scope of work for this \$1.3M project included cleaning and televising storm sewers, culverts and drainage structures, along with cleaning of ditches and erosion repair along I-88 from West of Tollway Plaza 61 to East of IL 59.

PHASE III, I-88 REAGAN MEMORIAL ROADWAY RECONSTRUCTION MILE POST 138.1 TO MILE POST 140.5, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Construction Technician I. The awarded amount was over \$44M. Rebuilding and widening the Reagan Memorial Tollway (I-88), between I-290 and York Road in Oak Brook. The two-year project also includes rebuilding and widening the York Road Bridge, repairing and widening of the I-88 bridges over Roosevelt Road, improvements on the ramps connecting I-88 and the Tri-State Tollway (I-294) and noisewall construction adjacent to residential areas.

PHASE III, 159TH STREET, HOMER GLEN, IL, ILLINOIS DEPARTMENT OF TRANSPORTATION – Project Engineer. The estimate project cost \$55M. The proposed scope of work includes reconstruction and widening US Route 6 / IL Route 7 (159th Street) from Gougar Road Will-Cook Road. The improvement provides two lanes in each direction with variable width landscaped medians, and pavement bounded by combination curb and gutter on both sides and other related work. The length of the project is approximately 5 miles. The Project extends through two construction seasons.

PHASE III, 159TH STREET, ORLAND PARK, IL, ILLINOIS DEPARTMENT OF TRANSPORTATION – Project Engineer. The project cost is \$47M Reconstruction and added lanes, drainage improvements, shared-use path, sidewalks, and other related work on 2.53 miles of US Route 6 / IL 7 Route (159th Street) from Will-Cook Road to Ravinia Avenue located in Orland Park and Orlando Township. The project extends through two construction seasons.

PHASE II, NAVY FEDERAL CREDIT UNION, CITY OF PENSACOLA, FLORIDA – Office Engineer. Contract was awarded for \$400M. The 242-acre site is a parcel adjacent to the existing Navy Federal Credit Union campus in Pensacola, Florida. The Phase 2 Expansion and the scope of work includes two office buildings, an amenities building, two parking decks, equipment additions to the existing Central Energy Plant, and associated connecting bridges, roads, walking paths, stormwater retention, and infrastructure. The length of the project consists of 3 years.

PHASE III, IL ROUTE 71 (ORCHARD RD-US34) OSWEGO, IL, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 3 – Construction Technician I. Project cost was \$22M. The project consists of 2.62 miles of concrete highway reconstruction to widen its existing 2-lane road to 2-lanes in each direction on IL 71 from Minkler/Orchard Rd. to US 34 in Oswego, IL. Also includes traffic signal updates, storm sewer, and other work. The contract was 250 working days.

PHASE III, I-90 BRIDGE RECONSTRUCTION HIGGINS ROAD & BARRINGTON ROAD, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Construction Technician I. Project was \$51M contract. Construction services for the Jane Addams Memorial Tollway Bridge Reconstruction from Higgins Road at mile marker 61.3 to Barrington Road at mile marker 62.2. Project consist of two working seasons.

PHASE III, ROUTE US 34/US 6 BUREAU COUNTY, IL, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 3 – Technician Trainee Internship. The estimated cost was \$1.5M. The project consists of 8.02 miles of resurfacing on US34/US6 from east of Sheffield to Hazelwood Dr. in Wyanet. The contract was 55 Working Days.

