



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	IL Rt. 25/ N. Bennett Water Main Replacement		
Presenter & Title:	Bob Van Gyseghem, Superintendent of Water & Wastewater		
Date:	September 5, 2023		
Please Check Appropriate Box:			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: EMSII			
Estimated Cost: \$1,354,984.23	Budgeted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
Executive Summary:			
<p>Fiscal year 2023-24 budget has funds allocated towards the replacement of the water main on N. Bennett from State Street to Jefferson Street. The replacement is needed due to the age and condition of the water main. Staff has been working with the Illinois Department of Transportation for the past 18 months to obtain a permit, which will include a detour during construction. Four bids were received and opened on July 31, 2023 with the low bid submitted by Martam Construction, Elgin, IL in the amount of \$1,354,984.23. The low bid is \$754,984.23 over the budgeted amount of \$600,000 and \$378,435.40 over final engineer's estimate of \$976,548.83. Major factors in the increased costs can be attributed to higher prices for traffic control, rock excavation, and market conditions. Staff recommends that this project proceed to reduce liability risks related to water main breaks, and to prepare for the East State Street Reconstruction. Staff will review the budget and prepare any necessary budget amendments at a future meeting. Staff is recommending that a 10% contingency be included in the overall not-to-exceed amount to account for any unforeseen field changes that may occur. Any field changes (Change Orders) must be approved by the City Administrator to be applied to the contingency.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Bid Summary 			
Voting Requirements:			
<p><i>This motion requires a simple majority of affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how the item should be listed on agenda)</i>			
<p>Recommend approval of a Resolution authorizing the City Administrator to execute a contract with Martam Construction, in the amount of \$1,354,984.23 and allow the City Administrator to approve up to \$135,498.42 in change orders for a total not-to-exceed amount of \$1,490,482.65</p>			

RESOLUTION NO. 2023-88

**RESOLUTION AUTHORIZING EXECUTION OF
Contract for Replacement of Water Main on IL Rt. 25/N. Bennett**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS, as follows:

SECTION 1: That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, a contract with Martam Construction for the replacement of the water main on IL Rt. 25/N. Bennett in a total not-to-exceed amount of \$1,490,482.65.

SECTION 2: This Resolution shall become effective from and after its passage as in accordance with law.

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this ____ day of _____, 2023

AYES: __ NAYS: __ ABSENT: __ ABSTAINING: __ HOLDING OFFICE: __

Approved by me this ____ day of _____, 2023.

Mayor

ATTEST:

City Clerk

CONTRACT DOCUMENTS
FOR
WATER MAIN IMPROVEMENTS
(Route 25)
CITY OF GENEVA, ILLINOIS

CONTRACTOR: MARTAM CONSTRUCTION, INC.

STREET ADDRESS: 1200 GASKET DRIVE

CITY: ELGIN

STATE: ILLINOIS

ZIP CODE: 60120

SEPTEMBER 2023

(This Document has 58 Pages Total)

INDEX

<u>SECTION</u>	<u>PAGES</u>
Cover Page	0
Index	1
Notice to Bidders	2
Instructions to Bidders	4
Special Provisions	6
Proposal	36
Signature Page	37
Schedule of Prices	38
Affidavit of Experience	40
Certification for Bid	41
Certification of Compliance with Section 11-42.1-1 Of the Illinois Municipal Code	42
Addendum #1	42A
Addendum #2	42B
Certification of a Drug Free Workplace	43
Hot Mix Asphalt – Prime Coat (BDE)	44
Warm Mix Asphalt (BDE)	49
Contract	53
Contract Bond	54

NOTICE TO BIDDERS

Time and Place of Opening of Bids

Contractors shall submit two (2) complete bids in single, sealed envelopes with the words "WATERMAIN IMPROVEMENTS (IL 25)" clearly marked on them. Bids will be received by the City of Geneva, Illinois until 10:00 a.m. on Monday; July 31, 2023 at the office of the City Administrator, located at 22 South First Street, Geneva, IL 60134, at which time the bids will be publicly opened and read aloud. Proposals submitted after the time specified will be returned to the bidder unopened. Bids that are not complete will not be read out loud after opening and will be returned.

Description of Work

The WATERMAIN IMPROVEMENTS on IL 25 include the construction of approximately 900 feet of PVC water main from Jefferson Street to IL 38 (E. State Street) and approximately 300 feet of Ductile Iron water main crossing IL 25 at Division Street. The City will supply all water mains, hydrants, valves and fittings for the 900 feet part of the project. All water services shall be replaced with 1.5 inch K copper tubing from the water main up to and including the Curb Stop. Curb and sidewalk shall be removed and replaced as needed. The pavement over the trenches shall be repaired as shown in the plans. The City anticipated a significant quantity of rock excavation will be needed to complete this project. All disturbed parkways shall be restored with topsoil, seed, mulch and fertilizer.

Bidders Instructions

- 1) Plans and specifications are available at the office of the Director of Public Works located at 1800 South Street Geneva, Illinois 60134-2547; Attn: C. Elton Orozco 630-232-1279, and also on the City's web site.
- 2) Bidders shall submit two (2) complete copies of their Bids.
- 3) All proposals shall be accompanied by a proposal guaranty equaling an amount not less than 5% of the bid amount. This guaranty may be in the form of a Bid Bond or cashier's check made out to the City of Geneva with the name of the project clearly written in the notes.
- 4) The City of Geneva, Illinois reserves the right to reject any or all bids and waive technicalities.
- 5) The quantities appearing in the summary of quantities are approximate and are prepared for comparison of bids. Payment to the Contractors will be made only for in place quantities and for work completed & accepted and/or for materials furnished and used for this project and according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
- 6) Submission of a bid is conclusive assurance and warranty that the bidder has examined the plans, specifications, visited the site and understands all requirements for the performance of the work.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

The bidder shall be responsible for all errors and omissions in their bid package including those resulting from failure or neglect to conduct an in-depth examination of the site, the plans and the specifications. In no case will the City be responsible for any cost, expenses, losses or changes in anticipated profits resulting from any errors and omissions.

- 7) The bidder shall not take advantage of any errors or omissions in the bid documents.
- 8) Bidders may withdraw their proposal providing the bidder makes a request to withdraw their proposal in writing or in person before scheduled date and time for the bids to be opened.
- 9) All employees and suppliers working on this project shall be paid no less than the prevailing wage determined by the Illinois Department of Labor at the time of the bid opening or as adjusted thereafter.
- 10) The Contractor shall certify that he/she is not in violation of, nor has been convicted for a violation of the Illinois Public Construction Act.

INSTRUCTIONS TO BIDDERS

The City shall supply and deliver to the job site all materials that has "MATERIAL PROVIDED" in the line item. The Contractor shall be responsible for the labor, equipment and incidentals necessary to complete the work to standards and/or as described herein.

All replacement of storm and sanitary sewers specified in the plans shall also be done with a water quality pipe acceptable to the Engineer.

By submitting a bid, the Contractor is affirming that he/she has carefully read and examined all of the contract documents and has visited the site and is aware of the requirements to complete more than 50% of the work with his/her own forces. If a Bidder is not able to meet this requirement he/she shall submit a written explanation along with his/her bid. The City reserves the right to waive this requirement and at its discretion award this contract to the lowest responsible bidder. The Contractor shall comply with all applicable laws.

All Bidders shall submit a five (5%) percent bid bond, and the successful Bidder shall submit a contract bond for the full amount (100%) of his bid. In both cases the guarantor shall be a surety company authorized to do business in the State of Illinois. A cashier's check for the amounts as described above can be submitted in lieu of these bonds.

After the bids are opened if there is any discrepancy with the bid amount, the unit price(s) submitted and estimated quantities will be used to recalculate the total bid amount. The contract will be awarded based on this recalculated bid amount. The Bidder shall be responsible for all errors and/or omissions in his submittal.

Only complete proposals which are made out upon the supplied proposal forms will be considered. The proposal forms shall not be separated from the complete set of documents.

Wherever removal is specified in this contract, the disposal of same shall be included in the unit price.

Bidders in doubt as to the true meaning of any part of the contract documents shall submit to the Engineer a written request for an interpretation thereof. The Engineer will give an interpretation of the matter in question by posting an "Addenda" on the City of Geneva's web site. Bidders are her by be notified that 24 hours before the scheduled bid opening it is the Bidders' responsibility to check the City of Geneva's website for all Addenda and shall include them with his/her bid. Interpretations requested less than 72 hours before the scheduled bid opening does not allow enough time for a written response and therefore will not be responded to.

After the contract has been awarded by the City Council, the Contractor shall receive a Notice of Award. After the award, the Contractor shall then have a maximum of 15 business days to submit the necessary documentation, the Contractor may be required by the City, to furnish any or all of the following information:

- a. Performance record

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

- b. Information about plant or permanent place of business
- c. An itemized list of equipment
- d. Financial statement
- c. Other information showing the ability to complete the work as described above.

A Notice to Proceed will be issued when the Contractor has submitted all the necessary documentation. No site work shall begin before the Notice to Proceed is issued unless authorized by the Engineer.

Bids and Contracts shall be signed by the Contractor, partners in a Partnership, or the president of the Corporation making the submission. A proxy having Power of Attorney who can show proof that they are duly authorized to sign on the behalf of the entity making the submission may also sign the documents on their behalf. In the case of a corporation bids shall also bear the attested signature of the secretary of the corporation and the impression of the corporate seal.

The City does not guarantee the existence, non-existence, or locations of any structures, nor the character of any sub-surface material which may be shown on the plans. The inclusion of such structures or materials is based on the best data available. The City will complete soil testing within the limits of the project listed in the bid documents. Bidders are allowed to review the results of this testing.

The unit prices submitted by the Contractor shall be guaranteed for more than 90 days after the bid opening.

**SPECIAL PROVISIONS
FOR
CITY OF GENEVA
WATER MAIN IMPROVEMENTS (IL 25)**

These Special Provisions, the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2022, (hereinafter referred to as the Standard Specifications); the current Supplemental Specifications and Recurring Special Provision, and the current edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD); the current edition of the Standard Specifications for Water and Sewer Construction in Illinois, and the "Manual of Test Procedures of Material" in effect on the date of invitation for bids; and the Supplemental Specifications and Recurring Special Provisions indicated on the check sheet included herein. All the above shall govern the construction of this project. If there are any conflicts with the above the most stringent shall apply.

INCLUDED CONSTRUCTION COSTS

All costs associated with any work (material, equipment and/or labor) that are not listed as a line item but are germane to the completion of this project to current codes or Standards or any part thereof, shall be included in the bid price(s).

DESCRIPTION OF IMPROVEMENT

The WATERMAIN IMPROVEMENTS on IL 25 include the construction of approximately 900 feet of PVC water main from Jefferson Street to IL 38 (E. State Street) and approximately 300 feet of Ductile Iron water main crossing IL 25 at Division Street. The City will supply all water mains, hydrants, valves and fittings for the 900 feet part of the project. All water services shall be replaced with 1.5 inch K copper tubing from the water main up to and including the curb stop. Curb and sidewalk shall be removed and replaced as needed. From E. State Street to Wall Street the trenches shall be repaired with full depth Class C Patching. From Wall Street to Jefferson Street the trenches shall be repaired with 10 inches Class B Patching capped with Class D Patching, 2.50 inch that will be resurfaced with 1.50 inches or WMA. The City anticipates that a significant quantity of rock excavation will be needed to complete this project. All disturbed parkways shall be restored with topsoil, seed, mulch and fertilizer.

IL 25 will be completely closed for the duration of this project. The detour shall be set up, maintained for the duration and removed upon completion. The Traffic Control plan is attached.

Replacements for deteriorated frames and lids (or grates) when the entire drainage structure is not marked for removal and replacement, shall be supplied by the City. The Contractor shall place the frame at the correct elevation and will be compensated for an adjustment. Driveways disturbed during construction shall be restored in kind.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

Sidewalks that does not warrant removal and replacement but have a trip hazard shall be repaired by cutting off the trip hazard. Each trip hazard will be marked by the Engineer.

CONSTRUCTION SCHEDULE

The Contractor shall submit a construction schedule at the preconstruction meeting in substantial conformance with the projected milestone dates listed below but no later than within 48 hours after the pre-construction meeting. No on-site work (including the staging of any equipment or materials on the site) shall be allowed before the Notice to Proceed is issued:

<u>Item</u>	<u>Date</u>	<u>Comment</u>
Bid Opening	July 31, 2023	10:00AM @ City Hall
City Council Award	August 14, 2023	
Notice of Award	August 15, 2023	
Preconstruction Meeting	August 17, 2023	1:00 PM @ Geneva Public Works
Notice to proceed	August 21, 2023	Tentative
Substantial 95% Completion	November 3, 2023	Restoration & Punch List Remaining
100% Completion	November 10, 2023	All Punch List Items Completed

A revised general work schedules shall be submitted if the work falls behind or progresses faster than anticipated. The contractor is also required to turn in weekly reports on Fridays by 11 AM. These reports shall list what was completed during the past week and what is scheduled to be completed in the upcoming week.

Inclement weather typical for this area, shall not be an acceptable reason for an extension of the contract time.

GENERAL

The City of Geneva has limited funds available to complete this project. Therefore, Contractors are hereby notified that the City of Geneva reserves the right to waive technicalities, delete part(s) of this contract or reject all bids. The aforementioned deletions shall not alter the contract unit prices. The Contractor shall be compensated at the contract unit price for any allowable quantity increase. If there is a change to a line item and this change was determined to cause a delay such that the Contractor is not able to complete the work within the time specified in this contract, additional time will be allowed by the Engineer. However, this additional time will only be allowed to complete the additional work, unless the additional work becomes or is a controlling item.

If there is a change in construction schedule by the City, please be advised that the unit prices submitted by bidders will be binding for more than 90 days.

At the pre-construction meeting the Contractor shall provide a list of the intended suppliers and subcontractors for this project. THE CITY OF GENEVA SHALL REVIEW ALL SUBCONTRACTORS ON THE PROJECT. THE CITY OF GENEVA RESERVES THE RIGHT TO REJECT THE USE OF ANY SUBCONTRACTOR DUE TO PAST PERFORMANCE OR DUE TO

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

HIS/HER INABILITY TO PERFORM IN THE PAST AS REQUIRED. No additional compensation shall be allowed if a Subcontractor is rejected and needs to be replaced.

Should the Contractor fail to meet any of the completion deadlines listed above or as they have been revised and accepted, the Contractor shall be liable to the City of Geneva, and liquidated damages will be assessed according to Section 108.09 of the Standard Specifications for each calendar day of over run. Substantial completion for the purpose of this contract is defined as completion up to the point that the value of the remaining work does not exceed 5% of the contract.

Starting on the date of final payment, the Contractor shall provide the City with a one-year maintenance bond for all work done under this contract. The Contractor shall secure a maintenance bond for 10% of the awarded contract amount plus any additional work. No additional compensation will be allowed to secure this bond. If any corrective work is needed within this one (1) year warranty period, no compensation will be allowed to complete this work.

After the bids are opened if there is any discrepancy with the bid amount, the unit price(s) submitted and estimated quantities will be used to recalculate the total bid amount. The contract will be awarded based on this recalculated bid amount.

Typically, all onsite construction activities shall be conducted between the hours of 7:00 a.m. and 5:00 p.m. Monday to Friday. However, City Ordinance does allow for longer workdays. During extremely high temperatures the City may allow earlier starts if requested. No work will be scheduled on Saturdays, Sundays and holidays observed by the City on Geneva and in the State of Illinois. Any work allowed outside of the approved time period listed above shall be done only if written permission is granted by the Engineer. Any work scheduled to be done on or adjacent to any State Route shall be done in accordance with IDOT's requirements except is the roadway is completed closed to traffic. **Any day on which work is not allowed, construction equipment shall NOT be started, cleaned, serviced, removed from or dropped off within the construction limits, the staging area, or on any other street in the City of Geneva.**

At the preconstruction conference the Contractor shall designate an employee to be project superintendent and a contact person who should be contacted in cases of emergency twenty-four (24) hour per day. If the superintendent and the emergency contact are the same person, the Engineer will be supplied with two telephone numbers by which this person can be reached. If the project superintendent is not the 24-hour contact-person he/she shall also supply the Engineer with a twenty-four (24) hour phone number. **THE CITY OF GENEVA RESERVES THE RIGHT TO REJECT ANY PROJECT SUPERINTENDENT, FOREMAN, OR CONTACT PERSON DUE TO PAST PERFORMANCE, CONFLICTS, OR THE INABILITY TO PERFORM THE WORK REQUIRED.**

The Engineer shall be provided 72 hours notice for all work items requiring layout and 24 hours notice for inspections. The Engineer will field measure and mark all pay items slated for removal and replacement prior to their removal and shall be called by the Contractor for inspection and approval before replacement. No compensation will be allowed for any item of work which was not marked for removal, field measured, inspected and/or approved by the Engineer. No additional payment will be made for removal and/or replacement beyond field markings unless specifically authorized by the

Engineer.

If requested the Contractor will be given three (3) copies of the plans and specifications if requested.

The Contractor shall monitor the materials for quantities being placed to assure there is no unreasonable shortage or overage. The Contractor shall be paid at the contract unit price ONLY for the allowable quantity measured in-place. If the Contractor delivers and places additional materials or quantities on site, no compensation will be allowed for any cost associated with the excess. If the Contractor does not deliver and place the necessary amount of material as required by the contract for a particular item, the unit price for that item shall be discounted by the allowable percentage in the Standard Specifications unless designated otherwise in the contract documents.

Existing frames & lids, which are discarded when a drainage structure adjustment is done, shall be disposed of by the Contractor at an offsite location.

All saw cutting to separate that portion to be removed from that which shall remain shall be done with a wet saw. This cost shall be included in the unit price of the item that is being removed and/or replaced.

Wherever granular material is specified in this project it is understood that recycled material for the application and gradation specified in the Standard Specifications is allowed. This material shall also be acceptable by the Engineer and it shall be supplied by an IDOT approved source.

PREVAILING WAGE REQUIREMENTS

Please be aware of the following two requirements of the Illinois Department of Labor for the Contractor and every Subcontractor working on public improvement projects in Illinois. There will be no exception to these public acts under this contract. Starting from the date the notice to proceed is issued, the Contractor and the Subcontractor will submit certified payroll records every calendar month for work done on this project as stated below.

- A. **CERTIFIED PAYROLL REQUIREMENTS (PUBLIC ACT 94-0515):** Effective August 10, 2005, Contractors and Subcontractors on public works projects must submit certified payroll records on a monthly basis to the public body in charge of the construction project, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the Contractor is aware that filing records he or she knows to be false is a Class B misdemeanor.

The certified payroll records must include for every worker employed on the public works project the name, address, telephone number, social security number (the last four (4) digits is sufficient), job classification, hourly wages paid in each pay period, number of hours worked each day, and starting and ending time of work each day. These certified payroll records are considered public records, and public bodies must make these records available to the public under the Freedom of Information Act, with the exception of the employee's address, telephone number, and social security number. Any Contractor who fails to submit a certified payroll or

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

knowingly files a false certified payroll is guilty of a Class B misdemeanor.

- B. **INCREASED PENALTIES FOR PREVAILING WAGE VIOLATION (PUBLIC ACT 94-0488):** Effective January 1, 2006, penalties for violations of the Prevailing Wage Act will be 50% of the underpaid amounts for second or subsequent violations. An additional penalty of 5% of the underpayment penalty must be paid to workers for each month the wages remain unpaid.

For violations that occur after January 1, 2006, the debarment period—during which Contractors are ineligible for public works contracts—increases from 2 years to 4 years if two notices of violation are issued/serious violations occur within a 5-year period. In addition, a new monetary penalty of \$5,000 may be assessed against Contractors who retaliate against employees who report violations or file complaints under the Prevailing Wage Act.

FREEDOM OF INFORMATION ACT

Contractor acknowledges that the Freedom of Information Act, 5 ILCS 140/1 et seq. (the "Act") places an obligation on the City of Geneva to produce certain records that may be in the possession of the Contractor. Contractor shall comply with the record retention and documentation requirements of the Local Records Retention Act 5 ILCS 160/1 et seq. and the Act and shall maintain all records relating to this contract in compliance with the Local Records Retention Act and the Freedom of Information Act (complying in all respects as if the Contractor was, in fact, the City). Upon notice from the City, Contractor shall review its records promptly and produce to the City within two business days of said notice from the City the required documents which are responsive to a request under the Act. If additional time is necessary to comply with the request, the Contractor may request the City to extend the time do so, and the City will, if time and a basis for extension under the Act permits, consider such extensions. In the event Contractor fails to produce the requested records or fails to produce the requested records within the time period required above and the City is assessed a fine, fee or penalty for failure to timely comply with the Act do to Contractor's actions, Contractor shall reimburse City for all fines, fee or penalties, including reasonable attorney's fees, paid by the City.

CONSTRUCTION LIMITS

The Contractor shall confine his operations to the construction limits. All damages caused by the Contractor or his Subcontractors outside of the Construction Limits or unnecessary damage within the Construction Limits shall be restored at the Contractor's expense.

SAFETY AND PROTECTION

The Contractor shall be solely responsible for initiating, maintaining and supervising all safety regulations as they pertain to this project, including the safety of, and the prevention of damage, injury or loss to:

1. All employees working on the site, the public, other persons and organizations;
2. All work, materials and equipment to be incorporated therein, whether in storage on or off site;
3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements,

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

roadways, structures, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of this construction project.

The Contractor's duties and responsibilities for the safety and protection of the work shall be as designated in the Standard Specifications. In addition, the Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction; and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor shall notify owners of adjacent property and of underground facilities and of utility owners when any work activity may affect them, and shall cooperate with them in the protection, removal, relocation, or replacement of their property. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by the Contractor, Subcontractor, supplier or any other person or organization directly or indirectly employed the Contractor or the Subcontractor to perform or furnish any of the work, material, supplies or anyone for whose acts any of them may be liable, shall be remedied by the Contractor.

The Contractor shall designate a responsible representative at the site whose duty shall be the prevention of accidents. This person could be the Contractor's superintendent. His or her name and contact information shall be submitted in writing by the Contractor to the Owner.

The Contractor shall prepare and maintain on the job site a Construction Site Safety Plan in accordance with the current Occupational Safety and Health Agency (OSHA) Standards and Procedures. The safety plan shall be acceptable to OSHA and contain the name of the individual in the employ of the Contractor responsible for the Construction Site Safety.

RESTORATION LIMITS

Compensation shall not be allowed for restoration of disturbed areas outside the construction limits or disturbed areas within the construction limits that were not approved by the Engineer. **Prior to placing the Topsoil, it shall be the responsibility of the Contractor to remove all deleterious material, construction debris and garbage.** After the topsoil is placed, the seed and mulch shall be placed in a timeframe that will not allow weed germination. It will be the Contractor's responsibility to maintain the restored areas weed-free until the grass seeds and mulch are placed and until the grass has sufficiently grown. Prior to seeding and mulching, if weeds germinate, it shall be the responsibility of the Contractor to remove the weeds and all other deleterious material prior to seeding and mulching or as directed by the Engineer.

BASE CLEANING

Prior to applying the bituminous prime coat and/or paving, the existing base shall be mechanically swept cleaned of all dust, dirt, weeds, and other harmful materials to the satisfaction of the Engineer.

All loose HMA remaining from the pavement removal or the paving of the roadway shall be removed to the satisfaction of the Engineer. This work is considered to be included in the price of the HMA Surface Removal item. Removal of pieces of asphalt and millings left behind by the milling machine by sweeper or other means is not considered Preparation of Base.

DELIVERY OF PROPOSALS

On or before the bid opening date and time specified in the Notice to Bidders, sealed bids shall be received at the City Administrator's office located in City Hall at 22 South First Street, Geneva, Illinois 60134-2547. Bids that are not received on time and in the specified format will not be accepted.

INTERPRETATION OF BID DOCUMENTS

Bidders' questions on the intent or meaning of the bid documents shall be submitted in writing. Bidders' questions on the intent or meaning of any part(s) of the bid document received less than 3 days prior to the bid opening date will not be responded to. The Engineer will respond to the intent and meaning in the form of an addendum which will be posted on the City of Geneva's web site and made publicly available for inspection at the City of Geneva, Public Works Department; 1800 South Street, Geneva, Illinois. The addendums will be binding and shall be become and submitted as a part of the bids documents. Oral interpretations or clarifications will be without legal effect.

EXECUTION OF THE CONTRACT

The bidder that is awarded the contract shall execute a contract and submit contract bonds for the same amount within fifteen (15) calendar days after receiving the Notice of Award, he/she shall submit a certificate of insurance showing that their company meets the required minimum coverage listed in Article 107.27 of the Standard Specifications. Work shall not start, there shall be no mobilization and no onsite deliveries shall be taken until the required insurance has been submitted and accepted by the City. This insurance policy shall be maintained during the life of the contract until final acceptance of the project by the City. Failure on the part of the successful bidder to provide a certificate of insurance within the time stipulated could void the award with resultant forfeiture of the Proposal Guaranty.

The Certificate of Insurance shall name the City of Geneva as an additional insured. In addition, the certificate of insurance will state: "This coverage and limits conforms to at least the minimum amounts required by Section 107 of the Standard Specifications." All costs associated with meeting these requirements shall be included in the price of the Contract.

DEFINITIONS

"City" "State" or "Owner" is the City of Geneva, its agents and/or its representatives.

"Engineer" is the City of Geneva's City Engineer his agents and/or his representatives.

All other definitions stated in Section 101 of the Standard Specifications shall apply to this Contract in so far as they apply.

BIDDER QUALIFICATIONS AND REQUIREMENTS

Construction companies with pre-qualifications by Illinois Department of Transportation for a working limit of more than the quantities listed in his proposal (with no restrictions) shall qualify as the Contractor.

APPLICATION FOR PAYMENT

Application for Payment to the Contractor shall be done in accordance with the applicable Articles of Section 109 of the Standard Specifications and with these Special Provisions. Written application for payment for the work completed shall be submitted to the Engineer not more than once monthly and preferably on or before the first Monday of the month.

Beginning with the second application for payment, the Contractor shall submit partial waivers of lien from all Subcontractors, and suppliers for all materials in the amount of the sum total of the first payment. Each subsequent pay request shall include a partial waiver of lien for the combined total of the previous pay requests. When the request for final payment is submitted, final waivers of lien shall be supplied by the Contractor for himself / herself, each Subcontractor, and all suppliers of materials or services under this contract. The Contractor shall also furnish an affidavit stating that all waivers submitted are the total amount of waivers required to be submitted. Applications for payment shall NOT be processed unless the required waivers of lien are supplied. Failure of the Contractor to submit correct waivers of lien at the required time may cause a delay of payment. The issuance of payments for work performed by the subcontractor shall in no way lessen the responsibilities of the Contractor.

The City reserves the right to discount, withhold, and deny final payment in part or the whole for failure to complete the work according to applicable Standards and as specified in this contract.

In the event that the Contractor does not pay for damages to property or outstanding fines levied for failure to conform to the requirements of these Special Provisions and/or any other mandates by this or other governmental agencies, the City reserves the right to deduct such fines from the payout amount due the Contractor.

MATERIAL CERTIFICATION

The Contractor will supply the Engineer with a copy of all material inspections, certifications and/or test results before any material is used on the job.

A Geotechnical Engineering firm will be contracted by the City to do the Quality Assurance (QA) for the City on all Hot-Mix Asphalt and Portland Cement Concrete mixes delivered on site. The Contractor shall notify the Engineer at least 48 hours prior to material deliveries so the necessary QA testing can be scheduled. The Contractor can use any qualified Geotechnical firm or its own qualified staff for Quality Control (QC). Copies of their reports shall also be submitted to the City.

CONSTRUCTION SCHEDULE

At the preconstruction conference, the Contractor shall submit, a written and detailed construction schedule. He/she shall list starting and completion dates, location of off-site disposal site and location of equipment and material storage. Once approved, the Contractor shall adhere to the work schedule as close as possible so that layouts and construction limits can be marked in a timely manner. Changes to the work schedule of more than two weeks will require the Contractor to submit a revised work schedule.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

If an exact start date is not set at the preconstruction meeting, the Contractor shall submit one to the Engineer no more than 72 hours after the preconstruction meeting and two (2) weeks prior to the start of any site work.

The Contractor shall schedule the removal and replacement of curb, sidewalk, driveways and the restoration of the parkway before the existing HMA Surface Course removal starts.

The Contractor, as part of the TRAFFIC CONTROL AND PROTECTION (TCP) item, shall include the cost to furnish, erect, remove, and maintain all construction signs, barricades and other traffic control devices. TCP also includes certified Flaggers to control the flow of traffic when needed. All flaggers in non-emergency situations shall be certified. Flaggers in emergency situations who are not certified shall be replaced by certified Flaggers as soon as possible. All means necessary to ensure public and employees' safety shall be employed.

Disturbed areas in the RIGHT-OF-WAY that are deemed unsafe shall not be left unprotected over night. No holes are to be left open in the RIGHT-OF-WAY over a holiday or weekend, commencing at 3:00 p.m., on the day preceding a holiday or a weekend. See Article 107.09.

Any road or section of road that is open to vehicular traffic shall also provide access to the driveways except when PCC is being poured through the driveway. FORM BOARDS FOR PCC POURS THROUGH DRIVEWAYS SHALL NOT BE PLACED MORE THAN TWENTY-FOUR (24) HOURS PRIOR TO THE POUR. If the time between PCC removal and replacement within the driveway or walk way will be more than 24 hours the Contractor will be required to place planks or stone to allow access. After the PCC in the driveway is poured, access shall not be given to vehicular traffic for a minimum of 72 hours. The Contractor is responsible to deliver to the City sidewalks, driveways and curbs that are not defaced and are free of damage and cracks, therefore additional curing time is allowed. This additional curing time shall be within the guidelines established by the engineer.

The Engineer shall provide a written punch list to the Contractor when the project is 95% complete or 14 calendar days prior to the scheduled completion date. Upon receipt of the punch list, the Contractor will have a minimum of 14 calendar days to complete the punch list items to the Engineer's satisfaction. Failure to complete the punch list and/or the contract within the stipulated time will result in liquidated damages being charged in the amount per calendar day as specified in Article 108.09 of the Standard Specifications. No additional time will be granted to complete the work.

WORK SUSPENSION

The Engineer reserves the right to stop the Contractor from further removal if at any time it is determined that the Contractor is not restoring the roadway in a timely manner such that the roadway is left without any pavement for longer than the required time. See Article 108.07 of the Standard Specification for other reasons for work stoppage by the Engineer.

MAINTENANCE & CLEANING OF ROADWAY DURING CONSTRUCTION

Beginning on the date the Contractor takes delivery of material and/or equipment on site, he/she shall

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

assume responsibility for the normal maintenance of the existing RIGHT-OF-WAY within the construction limits and the ingress and the egress where there is construction activity. This include the staging area and/or any adjacent streets used to park, load, or unload construction equipment. Normal maintenance includes repair work deemed necessary by the Engineer because of any damage caused by the Contractor's activities or the movement of material and/or equipment but shall not include snow and ice removal.

The Contractor shall be responsible to sweep and clean the roadway to the satisfaction of the Engineer during the construction process. Surplus material shall be stock piled or stored at the designated staging area or at a site allowed by the Engineer but shall not be left on the street indefinitely. If the streets are not kept free of construction debris, the Engineer may direct the Contractor to stop all other work and clean the street(s).

All cost or charges to the Contractor associated with proper maintenance and cleaning of the roadway before the City accepts the project as complete shall be included; no additional compensation will be allowed. Any costs incurred by the City to maintain the roadway free of construction debris shall be passed on to the Contractor and deducted from the final payment. Staging areas shall be maintained in an orderly manner and safe manner during construction and it shall be cleaned to the owners' satisfaction before the final payment is released.

The Contractor shall make a final passing on each street with a sweeper after all construction activities are complete and before the City accepts the project as complete.

PAVING ACTIVITY

Prior to the HMA pavement repairs, the entire road surface shall be swept with a mechanical sweeper meeting current standards. Any residual deleterious material shall be removed before it is primed. Before applying Prime Coat, the Engineer shall be notified and allowed time to inspect it. If in the opinion of Engineer the area is not sufficiently cleaned the Contractor shall wash down the roadway and allowed to dry before the Prime Coat is applied. No additional compensation shall be allowed for the cleaning of the roadway or the disposal of the material from the sweeper. The City will let the Contractor know which hydrants can be used to fill up to clean the roadway.

RESTRICTED STREET USE

Before the Contractor begins work, the City shall discuss access to each street listed in the contract. The Contractor will only be allowed on the agreed streets with construction trucks and equipment. The Contractor shall also be required to obtain overweight permits from the City and all other agencies for all vehicles and/or construction equipment. **The City of Geneva will not charge for city-issued permits that are associated with this contract;** however, failure to comply with the above may result in a citation issued by the Geneva Police to the drivers and operators of these vehicles.

NOTIFICATIONS

Emergency dispatch (630-232-4739) shall also be notified of the street that will be closed to vehicular

traffic.

In cases where an elderly or physically challenged person needs access, the Contractor shall allow ingress and egress within a reasonable distance and shall maintain this access or facilitate the residents' ingress and egress as needed or as is possible. If it is practical and will minimize the time an elderly or physically challenged resident will not have access, the Contractor shall pour their driveway, sidewalk and/or curb in two pours. The other option would be to pour it before other driveways. The cost to comply with the terms of this requirement shall be included in the cost of the contract.

The Contractor shall provide business owners and motorists twenty-four (24) hours advance notice of parking restrictions with appropriate signs and/or barricades this will be paid for under line item TRAFFIC CONTROL AND PROTECTION. The City will supply the Contractor with notices to be handed out to residents and business owners on the streets and adjacent streets with the zone of influence of the public improvements.

CLEAN CONSTRUCTION AND DEMOLITION DEBRIS

The Contractor shall excavate a minimum amount of material from behind the curb, and if necessary, no more than three inches along sidewalks to allow only enough space for forming. This excavated material may be reused on this job. If the Contractor chooses to reuse this material, it shall be capped with pulverized topsoil and restored per the plan and specifications.

If any material is found to be contaminated preventing disposal as Clean Construction and Demolition Debris (CCDD), these locations shall be identified before removal by the Contractor. It shall be reused on site when possible. It shall be the responsibility of the Contractor to handle any contaminated material per current CCDD requirements to prevent any further contamination. Once contamination has been identified and verified, its removal and disposal shall be paid for per Section 109.04 of the Standard Specifications. Failure to properly notify the Engineer prior to removal of the contaminated material it shall result in no compensation to the Contractor for the disposal of the material if a load is rejected by a CCDD facility.

USE OF CITY WATER

The Contractor will be permitted use of City water for this project at no charge from hydrants designated by the Engineer or from hydrants at the waste water treatment plant or at a hydrant at Public Works. When water use is allowed from designated hydrants, the water shall be metered. The Contractor can obtain a hydrant meter from the City of Geneva's Public Works Department. Use of a water hose larger than two (2") inches shall ONLY be connected onto hydrants at the public works facility at 1800 South Street. This water can then be trucked to the location where it will be used. The Contractor may be allowed up to a two (2") inch water hose on most hydrants in town. The following deposit is required for all meters obtained through the City: \$1,000.00 for a two (2) inch or larger water meter and \$200.00 for meters smaller than two (2) inch. After the project is completed, the Contractor will return the meter to the City of Geneva Department of Public Works, and the deposit will be returned. During periods of drought or high demand for potable water, or as the Engineer deems necessary, the Contractor may be directed to only use Gray Water from the wastewater treatment plant. If the Contractor is directed to use

gray water from the waste water treatment plant, he will need to truck the water to the construction site. The Contractor may choose to use gray water for the entire project. All costs associated with this shall be included in the total cost of the contract. No additional compensation shall be allowed.

MAILBOXES AND STREET SIGNS

The Contractor may remove mailboxes, street signs, and any other directional or regulatory signs in the RIGHT-OF-WAY within the construction limits that is within the zone of influence of the construction operations. The contractor shall immediately relocate all mailboxes and regulatory signs at temporary locations approved by the Engineer and in accordance with applicable requirements in Section 107.20 of the Standard Specifications. The temporarily placed signs shall be secured such that they will not fall over and endanger the public. Some street signs will be marked for removal and replacement as part of this contract.

As soon as construction operations permit, the Contractor shall reset the mailboxes and replace the street signs at their permanent locations. All mailboxes shall be placed at a height of 36 inches to 42 inches measured from the bottom of the mailbox to the top of the curb or to the surface of the roadway if there is no curb. The face of the mailbox shall be placed 9 inches to 12 inches behind the curb measured horizontally from the back of the curb or the edge of pavement if there is no curb. The Contractor shall replace at his own expense any mailbox, mailbox post, or signs that have been damaged by the Contractor's operation. All street signs shall be placed according to the MUTCD.

PROTECTION OF PUBLIC & PRIVATE PROPERTY

The Contractor shall exercise reasonable care to protect all existing features in the public RIGHT-OF-WAY that will remain in place including landscaping, fences, sprinkler systems, drain lines, power lines, and any other public or private property. Special care shall be taken when saw cutting of the curb and sidewalk that sprinkler systems and invisible dog fences are not damaged in the process. These items are usually buried along the edges of sidewalks and behind curbs in the RIGHT-OF-WAY.

Any item damaged due to negligence on private property or in the RIGHT-OF-WAY shall be repaired or replaced in kind by the Contractor as directed by the Engineer at no additional cost to the owner or resident.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

The existing drainage facilities shall remain functional during the period of construction. Prior to commencing work, the Contractor, at his own expense, shall determine the exact location of existing structures, which are within the proposed construction limits. All drainage structures are to be maintained free of all debris or deleterious materials during the Contractor's operations. Any foreign material that will slow down or inhibit flow shall be removed immediately. The contractor will not be compensated for the removal of construction materials from drainage structures.

The Contractor shall take the necessary precautions when working near or above existing sewers to protect them from any damage resulting from his operations. All work and material necessary to repair

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

any sewer damage due to non-compliance with this provision shall be repaired or replaced, as directed by the Engineer, and in accordance with Section 550 of the Standard Specifications and the current edition of the Standard Specifications for Water and Sewer Main. This work shall be done at the Contractor's expense—no compensation will be allowed. All repairs of sewer lines shall be done with None-Shear Couplings.

During construction, if the Contractor encounters or otherwise become aware of any utility within the RIGHT-OF-WAY that will cause a conflict, he shall inform the Engineer. It shall be the Contractor's responsibility to direct the work and protect all utilities from damage.

EXISTING UTILITIES

The Contractor shall conform to the requirements of Section 105 of the Standard Specifications. Prior to commencing work, the Contractor or the Subcontractor planning to dig on the jobsite shall contact **JULIE** at **1-800-892-0123** and arrange for location of the utilities within the construction limits.

The Contractor shall support and protect all utility lines and their appurtenance as needed during construction. Typically, the Contractor will not be allowed any additional compensation for the costs associated with supporting and protecting a utility.

The Contractor shall deliver to the City Public Works Facility any frames, grates, lids or hydrants that were removed that can be salvaged. All other items removed shall be disposed of by the Contractor. No additional compensation shall be allowed for the disposal or delivery to Public Works of these items.

CONCRETE BREAKERS

When removing pavement, curb and gutter, shoulder and/or any other structures it shall be saw cut full depth and removed without the use of any type of concrete breakers or force that is likely to cause damage to underground utilities.

TRENCH BACKFILL

WORK DESCRIPTION

This work shall consist of furnishing, placing, and compacting aggregate for backfilling all trenches to the acceptable widths and within the zone of influence of the roadway. Bedding stone shall not be in this pay item. The backfill material shall be approved by the Engineer and the work shall be done in accordance with Section 208 of the Standard Specifications and the applicable Sections of the Standard Specifications for Water and Sewer Main Construction in Illinois. Recycled material, with a gradation acceptable to the Engineer that is from an IDOT approved source shall be allowed as trench backfill. It shall be deposited in uniform layers not exceeding twelve (12) inches thick and each layer shall be compacted by mechanical means to a minimum Standard Proctor of 90%. Jetting will not be allowed but moisture can be added to assist in attaining compaction.

METHOD OF MEASUREMENT

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

This work shall be measured for payment from the spring line (Haunch) of the pipe up to 12 inches above the top of the water main and in accordance with Section 208.03(b) of the Standard Specifications and the applicable Sections of the Standard Specifications for Water and Sewer Main Construction in Illinois. The remainder of the trench shall be fill with CLSM.

BASIS OF PAYMENT

This work shall be paid at the contract unit price per cubic yard for TRENCH BACKFILL, which price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and in a workmanlike manner.

INLET FILTERS

WORK DESCRIPTION:

This work consists of the furnishing, placing, maintain of the inlet filter baskets and the removal of same after the grass is established sufficiently that no topsoil or other deleterious mater will migrate to the drainage structures during rain events. This pay item shall be used on the streets that are impacted by this project.

METHOD OF MEASUREMENT:

This work shall be measured for payment for each INLET FILTERS.

BASIS OF PAYMENT:

The work will be paid for at the contract unit price per each INLET FILTERS, which price shall include all equipment, labor, material and incidentals necessary to complete this work to current standards and in a workmanlike manner.

BITUMINOUS MATERIALS (PRIME COAT)
AGGREGATE (PRIME COAT)

WORK DESCRIPTION:

The Contractor shall remove all dust, dirt and all deleterious material from the surface with a mechanical vacuum sweeper before the prime or tack coat is applied. At no time will the Contractor use a blower to remove the dust from the pavement. The Contractor shall protect the motoring public, adjoining pavement, curbs, or structures during the application of the bituminous materials prime coat. After application, the truck shall then be weighed again in order to determine the net weight of the prime coat that has been placed. FRESH OIL signs shall be installed in advance of the area to be primed with bituminous materials and shall be maintained until the prime coat is adequately cured. This work shall (both items) be done in accordance with Sections 403, 406, 408, 1032.02 and any other applicable Sections of the Standard Specifications. Please see the attached Hot Mix Asphalt – Prime Coat (BDE).

Close attention shall be placed on Article 406.02

METHOD OF MEASUREMENT:

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

This work shall be measured for payment as specified in Article 1032.02.

BASIS OF PAYMENT:

This work will be paid for at the contract unit price per pound for BITUMINOUS MATERIALS (PRIME COAT) and per ton for AGGREGATE (PRIME COAT) which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards.

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
PORTLAND CEMENT CONCRETE SIDEWALK, 7 INCH

WORK DESCRIPTION:

This work shall consist of constructing PCC Driveway Pavement, 7", PCC Sidewalk, 5" or PCC Sidewalk, 7" in accordance with Sections 423 and 424 of the Standard Specifications. Expansion joints for PCC driveways shall be installed at the abutment with the curb for the width of the driveway. Expansion joints for sidewalks shall be placed as specified in the Standard Specifications. A curing compound shall be applied per the manufacturer's requirements. All costs associated with the regrading of material required to adequately construct these pay items shall be included in the cost of the sidewalk or driveway from which the regrading was done. Any earth excavation needed to construct new sidewalk will be paid separately. All aggregate needed to regrade the base to the necessary grade will be paid for as SUBBASE GRANULAR MATERIAL, TYPE B.

METHOD OF MEASUREMENT:

Driveways will be measured for payment per square yard, and sidewalk will be measured per square feet in accordance with the Standard Specifications.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit prices per square yard for PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH; per square feet for PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH and PORTLAND CEMENT CONCRETE SIDEWALK, 7 INCH, which price shall include all labor, equipment, materials, and incidentals required to complete the work to current standards and in a workmanlike manner.

DETECTABLE WARNINGS

WORK DESCRIPTION:

Detectable warnings shall consist of a surface of truncated domes meeting the current requirements of the Section 424 of the Standard Specifications, the ADAAG, and the details in the plans. The truncated domes shall be arranged in the direction of travel in a rectangular pattern. Furthermore, they shall be installed according to the manufacturer's specifications. They shall be placed at all curb ramps, medians, pedestrian refuge islands, railroad crossings, and any other locations where pedestrians are required to access or cross a hazardous vehicular way and at any locations designated by the Engineer.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

The product and method used to install detectable warnings shall come with the following documents and shall be approved by the Engineer prior to use.

- a) Manufacturer's certification stating the product is fully compliant with the ADAAG
- b) Manufacturer's 5-year warranty.
- c) Manufacturer's specifications stating the required materials, equipment, and installation procedures.

METHOD OF MEASUREMENT:

This work shall be measured for payment per square foot in accordance with PROWAG and the Standard.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS, which price shall include all labor, equipment, materials, and incidentals required to complete the work to current standards and in a workmanlike manner.

DRIVEWAY PAVEMENT REMOVAL

WORK DESCRIPTION:

This work shall consist of removing driveway (HMA and PCC) pavement in accordance with applicable requirements of Section 440 of the Standard Specifications. The Contractor shall saw cut the existing driveway (full depth) at the locations marked by the Engineer. All costs related to the disposal of the spoils shall be included in this unit price. During the removal process the Contractor shall not cause the edges of remaining section of the driveway to crack, spall or become damaged. If this happens the Contractor shall, at his own expense, remove an additional portion of the remaining driveway to cut out the cracked, spalled or damaged portion before repaving. If the damage is such that a significant portion of the remaining driveway needs to be removed the additional removal shall be done at the Contractors expense; no additional compensation shall be allowed.

After the driveway pavement is removed, the granular sub-base shall be compacted before repaving the driveway. All the material removed shall be loaded immediately onto a truck and hauled away.

Driveways shall be replaced within 48 hours after removal. Any existing pavement damaged outside the removal limits shall be replaced to the satisfaction of the Engineer. No additional compensation will be allowed.

METHOD OF MEASUREMENT:

This work shall be measured using the method of averages for payment for each square yard.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square yard for DRIVEWAY PAVEMENT REMOVAL, which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and in a workmanlike manner.

SIDEWALK REMOVAL

WORK DESCRIPTION:

This work shall be done in accordance with applicable requirements of Section 440 of the Standard Specifications. It will include saw cutting across the sidewalk to separate the sidewalk to be removed from the sidewalk that will remain in place. Saw cutting the joints and the disposal of the spoils shall be included in the contract unit price of this item. The Contractor shall protect the parkway from unnecessary damage and rutting while removing the sidewalk. All material to be removed shall be loaded immediately onto a truck and disposed of off the jobsite. At no time shall the Contractor place the material to be removed on the jobsite.

METHOD OF MEASUREMENT:

This work shall be measured for payment per square foot in accordance with the Standard Specifications.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square feet of PCC SIDEWALK REMOVAL, which price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and in a workmanlike manner.

HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (SPECIAL)

WORK DESCRIPTION:

The work consists of designing, producing and constructing Warm Mix Asphalt (WMA). This material shall be placed at a depth of 1.50 inch in thickness as specified on each cross section. This work shall be done in accordance with Sections 406, 407, 408, 1030, and 1102 in so far as they apply. References to HMA in the Standard Specifications for this pay-item shall be construed to be WMA.

This material shall be produced with the same properties and proportions as HMA SURFACE COURSE, MIX-D, IL-9.5mm, N50, except that WMA technologies shall be applied. This material shall be produced and placed at temperatures between 215°F and 275°F. WMA technologies, defined here as the use of additives or processes that allows the production and placement of this material at lower temperatures. Minerals, chemicals or organics shall be incorporated into the asphalt binder stream in a dedicated delivery system, maintaining correct proportions according to the supplier's recommendations. The design shall be approved by the Engineer and the mix supplied shall be an IDOT approved mix for the application. Please see the inserted WARM MIX ASPHALT (BDE).

The roadway shall be kept open to traffic according to Article 701.17(c) (3). Prime coat shall be applied to the base at the rate designated elsewhere in the special provisions or as requested by the Engineer. The HMA shall be placed when the temperature in the shade is at least 45° F and rising. Surface testing of the new asphalt shall be done at the Engineer's discretion if it is determined that the pavement does not meet the requirements of Article 406.11.

METHOD OF MEASUREMENT:

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

This item will be measured for payment according to Article 406.13 per ton except as modified above. The thicknesses for each street are specified in the plans.

BASIS OF PAYMENT:

The item will be paid for per ton of HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (SPECIAL) which price shall include the cost of all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

DUCTILE IRON WATER MAIN, 4 INCH
DUCTILE IRON WATER MAIN, 6 INCH
DUCTILE IRON WATER MAIN, 8 INCH

WORK DESCRIPTION:

This work and all other work directly related to water main improvements shall be done in accordance with Section 41 of the Standard Specifications of Water and Sewer Construction in Illinois.

The material for all the water mains, and their fittings shall be Ductile Iron made in the USA. The water main shall be installed with the minimum cover specified. This cover shall be measured from the spring line unless directed otherwise by the Engineer. A tracer wire shall be installed with the water main it shall be Pro-Trac HF-CCS (12 gauge wire) 30 MIL HDPE for open trenching. An equivalent is acceptable. At fire hydrants, valve vaults and other locations where the tracer wire daylights or comes up to grade, the ends shall be placed in an 18 INCH, tracer wire access box. In the case of Valve Vaults the ends shall be attached to the inside of the valve vaults or the frames such that the ends can be accessed without entering the valve vaults.

The Engineer shall be notified at least 24 hours before the water main is scheduled for testing to allow sufficient time for him to witness the testing. Should the Contractor fail to notify the Engineer, he may request that the tests be repeated under the Engineer's supervision and at the Contractor's expense.

MATERIALS

Water main pipe shall be Class 52 Ductile Iron conforming to AWWA C151 with cement mortar lining conforming to AWWA C104. Joints shall be push-on joints conforming to AWWA C-111 and as indicated below.

Push on Joints shall be single rubber lubricated gasket joint conforming to ASTM F477 and shall be pressure rated in accordance with ASTM D3139.

All fittings shall conform to AWWA C153, be pressure rated to 350 psi, and be cement-lined per AWWA C104 with mechanical joints and shall be manufactured in the United States and stamped to designate the place of manufacture. High strength, low alloy steel Corten T-Bolts meeting the current provisions of American National Standard ANSI/AWWA C111/A21 for rubber gasket joints. All fittings shall have restrained joints with a mechanical joint with "Megalug" retainer glands, or approved equal. Thrust cement blocking of all fittings, hydrants, and dead end piping is required.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

All replacement of storm and sanitary sewers specified in the plans shall be done with a water quality pipe acceptable to the Engineer. Before purchasing the water quality pipe the Contractor shall submit the material certification for approval by the Engineer.

METHOD OF MEASUREMENT:

This work shall be measured for payment in place, in feet for Ductile Iron Water main and per each for Ductile Iron Water main Fittings for size(s) specified in the plans.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per foot of, DUCTILE IRON WATER MAIN 4 INCH; DUCTILE IRON WATER MAIN 6 INCH; DUCTILE IRON WATER MAIN 8 INCH, which price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and in a workmanlike manner.

PVC WATER MAIN QUALITY PIPE, 4 INCH (MATERIAL PROVIDED)
PVC WATER MAIN QUALITY PIPE, 6 INCH (MATERIAL PROVIDED)
PVC WATER MAIN QUALITY PIPE, 8 INCH (MATERIAL PROVIDED)
PVC WATER MAIN QUALITY PIPE, 10 INCH (MATERIAL PROVIDED)
PVC WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)

WORK DESCRIPTION:

This work and all other work directly related to water main improvements between IL 38 (E State Street) and Jefferson Street (between Station 0+00 and 9+00) shall be done in accordance with Section 41 of the Standard Specifications of Water and Sewer Construction in Illinois. The material for all the water mains between E. State Street and Jefferson Street shall be C900 and shall be provided by the City. Where there will be a connection to an existing water main this shall be done with a ductile iron Tee of a ductile iron sleeve.

The water main shall be installed with the minimum cover specified. This cover shall be measured from the spring line unless directed otherwise by the Engineer. A tracer wire shall be installed with the water main, it shall be Pro-Trac HF-CCS (12 gauge wire) 30 MIL HDPE for open trenching. An equivalent or better may be acceptable. At fire hydrants, valve vaults and other locations where the tracer wire daylights or comes up to grade, the ends shall be placed in an 18 INCH, tracer wire access box. In the case of Valve Vaults the ends shall be attached to the inside of the valve vaults or the frames such that the ends can be accessed without entering the valve vaults.

The Engineer shall be notified at least 24 hours before the water main is scheduled for testing to allow sufficient time for him to witness the testing. Should the Contractor fail to notify the Engineer, he may request that the tests be repeated under the Engineer's supervision and at the Contractor's expense.

MATERIALS

Water main quality pipe shall be C 900 used and will be provided by the City. Joints shall be push-on joints. Push on Joints shall be single rubber lubricated gasket joint conforming to ASTM F477-14(2021)

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

and shall be pressure rated in accordance with ASTM D3139-19.

All fittings shall have restrained joints with a mechanical joint with "Megalug" retainer glands, or approved equal. Thrust cement blocking of all fittings, hydrants, and dead end piping is required.

METHOD OF MEASUREMENT:

This work shall be measured for payment in place, in feet for PVC WATER MAIN QUALITY PIPE for the size for size(s) specified in the plans.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per foot of, PVC WATER MAIN QUALITY PIPE, 4 INCH (MATERIAL PROVIDED); PVC WATER MAIN QUALITY PIPE, 6 INCH (MATERIAL PROVIDED); PVC WATER MAIN QUALITY PIPE, 8 INCH (MATERIAL PROVIDED); PVC WATER MAIN QUALITY PIPE, 10 INCH (MATERIAL PROVIDED); PVC WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED), which price shall include all labor, incidentals and equipment necessary to complete the work to current standards and as described herein.

WATER VALVES 8 INCH

WATER VALVES 6 INCH (MATERIAL PROVIDED)

WATER VALVES 8 INCH (MATERIAL PROVIDED)

WATER VALVES 12 INCH (MATERIAL PROVIDED)

WORK DESCRIPTION

The City shall supply and deliver to the jobsite all water valves, pipes and associated accessories that are listed as "MATERIAL PROVIDED" in the summary of quantities. The Contractor shall provide all other materials. This work shall be done in accordance with the applicable Sections of the Standard Specifications of Water and Sewer Main Construction in Illinois.

Water Valves (main line and auxiliary valves) shall be resilient wedge gate valves with mechanical joint end connections, stainless steel type 316 or type 304 and anti-rotation bolts and shall be one of the following:

- Waterous
- Mueller
- Clow

of the size as designated on the plans or approved by the Engineer. The location of each proposed valve shall be subject to modifications in the field by the Engineer; no additional compensation shall be allowed for a change in location of the proposed valve except in the case(s) where a change in location caused additional rock excavation to become necessary.

METHOD OF MEASUREMENT:

This work shall be measured for payment per each water valve in place and of the specified size.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per each for WATER VALVES 8 INCH, which

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and in an acceptable manner.

WATER VALVES 6 INCH (MATERIAL PROVIDED); WATER VALVES 8 INCH (MATERIAL PROVIDED); WATER VALVES 12 INCH (MATERIAL PROVIDED), which price shall include all labor, incidentals and equipment necessary to complete the work to current standards and in an acceptable manner.

WATER SERVICE LINE, 1.50 INCH

WORK DESCRIPTION

This work includes the installation and connection of new one and one-half (1.50") inch water service lines between the new curb-stop and the new water main. The services placement of all water service lines shall conform to the requirements for water and sewer separation as designated by the IEPA and the Plumbing Code.

MATERIAL

The water service line shall be copper water tubing Type K or greater soft temper, for underground service. The part of the water service line that will be under the roadway shall be one continuous piece. If needed couplers may be used in the parkway. All fittings for service pipe shall be brass. All connections between the proposed and the existing Water Service Line shall be made with a compression fitting. The compressions, saddles and other materials needed to complete this task shall be included in the price of this item. Rock excavation, trench backfill and/or pavement patching shall be paid for separately. The curb stop, corporation stop and B-Box shall also be compensated separately.

METHOD OF MEASUREMENT

This work will be measured for payment per each water service.

BASIS OF PAYMENT

The work will be paid for at the contract unit price per each WATER SERVICE LINE, 1.50 INCH, which price shall include all labor, equipment, materials, and incidentals as described above and necessary to complete the work to current standards and in an acceptable manner.

CORPORATION STOPS, 1.50 INCH

WORK DESCRIPTION

This work shall consist of construction a corporation stop in accordance with Section 41 and other applicable sections of the current edition of the Standard Specifications for Water and Sewer Construction in Illinois (W&S Specs).

MATERIAL

The Corporation Stop shall be brass, manufactured in the USA and the size specified in the plans. The corporation Stops shall be directly tapped in ductile iron pipes, a saddle shall be used on the PVC pipes.

METHOD OF MEASUREMENT

This work will be measured for payment in place per each Corporation Stop of the size specified herein and in the plans or at locations indicated by the Engineer.

BASIS OF PAYMENT

The work will be paid for at the contract unit price per each CORPORATION STOPS, 1.50 INCH, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards a per these special provisions.

FIRE HYDRANTS TO BE REMOVED

WORK DESCRIPTION:

This work shall include the removal and disposal of fire hydrants and their appurtenances such as valve boxes on the related auxiliary valve, and the placement of a cap or a plug which shall be placed over any open ends of the hydrant lead. Trench backfill will be compensated separately. The Contractor shall notify the Engineer 24 hours before the existing hydrants are removed, this will allow the City time enough to salvage parts from some of the decommissioned hydrants before they are removed.

METHOD OF MEASUREMENT:

This work shall be measured for payment per each fire hydrant removed.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit per each FIRE HYDRANTS TO BE REMOVED, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

WORK DESCRIPTION

This item shall include all work associated with furnishing and installing a fire hydrant, auxiliary valve, valve box and lid. The hydrant lead from the main to the auxiliary valve will be compensated separately.

MATERIAL

Fire hydrants shall be Waterous Pacers, Muller Super Centurion, or Clow Medallion; the pumper connect shall be 4.50 inches with 2 - 2.50 inch hose connection. A material certification shall be submitted for approval by the Engineer prior to purchasing. The depth of bury shall be 6.0 foot and they shall be painted red by the manufacturer with a breakaway flange. Auxiliary valves shall be 6.0 inches in size. Valve Boxes shall be Tyler Union cast iron two-piece valve boxes with lid, 5¼" shaft, screw type of the height required for installation on water main at the depth specified. The lid shall be marked "Water". All bolts, nuts, and/or washers used to secure the fire hydrant and auxiliary valve shall be Stainless Steel Type 304 or Type 316.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

An 18 INCH tracer wire access box shall be placed at each fire hydrants and other locations where the tracer wire daylights or comes up to grade. The tracer wire access box shall be included in the price.

METHOD OF MEASUREMENT

This work shall be measured for payment per each.

BASIS OF PAYMENT

This work shall be paid for at the contract unit price per each FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED
DOMESTIC WATER SERVICE BOXES TO BE REMOVED
DOMESTIC WATER SERVICE BOXES

WORK DESCRIPTION:

This work shall consist of the adjustment, the removal and/or the installation of a Domestic Water Service Box. Domestic Water Service Boxes shall be placed over all curb stops installed as part of this contract. Curb stops shall be paid for separately.

MATERIALS

Domestic Water Service Boxes shall be a cast iron, with a lid and Plug. The contractor shall be responsible to furnish a box of the proper height required to accommodate the depth of the curb stop so that the top of the curb box lies flush with the ground. The lid shall have the word "Water" stamped into the metal.

METHOD OF MEASUREMENT

This work shall be measured for payment per each Domestic Water Service Box Adjustment, Water Service Box Removal or Domestic Water Service Box.

BASIS OF PAYMENT

This work shall be paid for at the contract unit per each for DOMESTIC WATER SERVICE BOXES TO BE REMOVED; DOMESTIC WATER SERVICE BOXES TO BE REMOVED; DOMESTIC WATER SERVICE BOXES, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

WORK DESCRIPTION:

This work shall include the placing of valve vaults of the size called out in the plans or as directed by the Engineer. The vaults shall have rubber boots for all pipes into and out of the vaults. They shall be installed on 4 inches of bedding stone minimum and 8 inches of bedding stone minimum if installed on

bedrock. The word "WATER" shall be stamped on the lids.

METHOD OF MEASUREMENT:

This work shall be measured per each valve vault.

BASIS OF PAYMENT:

These items shall be paid per each VALVE VAULT, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID or VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID at the contract unit price. This price shall include all labor, equipment, material, and incidentals necessary to complete the work to current standards.

FILLING VALVE VAULTS

WORK DESCRIPTION

This work shall be done in accordance with Section 605 of the Standard Specifications, the accompanying plans & specifications, these Special Provisions or as directed by the Engineer. The top of the existing valve vaults shall be removed to a depth no less than 12 inches below grade. The valves will be removed and disposed of and internal pipe and cavities shall be plugged with mortar or a mechanical plug to the satisfaction of the Engineer then the remaining barrel section shall be filled with granular material and abandoned in place. The frame & lid or grate and the top of the structure removed shall be disposed of by the Contractor unless the City wants to salvage it.

METHOD OF MEASUREMENT

This work will be measured for payment for each FILLING VALVE VAULTS.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per each FILLING VALVE VAULTS, which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and described above.

GROUT REMOVAL AND REPLACEMENT

WORK DESCRIPTION:

This work consists of the removal of loose grout and/or dirt from around the inside of the Inlets as needed; measuring down from the top of the structure to a depth not more than two (2') feet. After all loose grout is removed, new grout shall be used to fill the voids. This work shall be done after the surface course has been paved but the grout shall NOT be mixed directly on the new pavement and the Contractor shall protect the new pavement from all spills. Excess grout or spoils shall be removed immediately and at no time shall it be placed on, or left in the parkway, on the curb, or on the sidewalk.

METHOD OF MEASUREMENT:

This work shall be measured per each item at locations marked by the Engineer.

BASIS OF PAYMENT:

This item shall be paid for at the contract unit price per each inlet and/or manhole where GROUT REMOVAL AND REPLACEMENT was completed, which price shall include all labor, equipment, material, and incidentals necessary to complete the work as described herein.

BRICK PAVER, STONE, MASONRY PLACEMENT, OR REMOVAL AND RE-PLACEMENT

WORK DESCRIPTION:

This work consists of the removing and re-placing existing pavers and stones at various locations. If the dimensions are not specified in the contract documents, the Engineer shall mark the area to be removed and replaced. The base shall be compacted mechanically then regraded with fine aggregate supplied by the Contractor. The pavers or stones shall be placed or re-placed in such manner to encourage positive drainage. They shall be placed to match the existing pattern or as specified in the contract documents. Fine aggregate shall be added to the joints and compacted. It shall be the Contractor's responsibility to protect the pavers or stones for reuse keeping in mind the difficulty in replacing older pavers and stones where a matching color and/or style is no longer manufactured.

METHOD OF MEASUREMENT:

This work shall be measured for payment per square foot.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square foot for BRICK PAVER, STONE, MASONRY PLACEMENT, OR REMOVAL AND RE-PLACEMENT, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

SPOT CURB REMOVAL AND REPLACEMENT

WORK DESCRIPTION:

This work consists of the spot removal, disposal, and replacement of curb and gutter as specified herein and by the Engineer. The ends of the remaining curb shall be drilled and smooth dowel bars placed according to the standards included in this contract. An epoxy compound or approved grout shall be used to secure the dowel bars in place. If there are no expansion joints within 100 feet of the location of curb removal and replacement, an expansion joint shall be installed on at least one end of the section of curb to be replaced. All curb sections removed shall be at least five (5') feet in length.

Before the proposed curb is placed, minor grading, germane to this item, may be needed to ensure a minimum depth of proposed curb can be placed. The replacement of acceptable granular material below the curb shall be considered included in the cost of curb removal and replacement. If unsuitable material must be removed prior to placement of the granular material and/or curb, it shall be paid for under the item REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, any granular material needed to fill this excavated area shall be paid for under the SUBBASE GRANULAR MATERIA, TYPE B.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

It will be the responsibility of the Contractor to protect the new curb from the weather and from vandalism. Any portion of the curb that the City does not accept shall be removed and replaced by the Contractor and no additional compensation will be allowed to replace it.

The new curb and gutter constructed shall match the existing curb type and elevation. The flow line shall encourage positive flow. All curb and gutter shall be depressed across all curb ramps, driveways, and as directed by the Engineer.

METHOD OF MEASUREMENT:

This work shall be measured for payment per linear foot of curb along the flow line in accordance with the Standard Specifications.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per foot of SPOT CURB REMOVAL AND REPLACEMENT, which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and in a workmanlike manner.

PLUG EXISTING WATER MAIN

WORK DESCRIPTION

This work shall consist of providing a mortar or a mechanical plug at the ends of pipes that will be abandoned in place that will not be under pressure. Whichever method is more applicable, the end of the existing pipe to be removed shall be filled with mortar or a mechanical plug placed. When a plug is needed inside of a structure, if grout is used it shall be placed flush with the inside wall.

METHOD OF MEASUREMENT

This work will be measured for payment in place per each plug.

BASIS OF PAYMENT

Work shall be paid for at the contract unit price per each PLUG EXISTING WATER MAIN, which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and in a workmanlike manner.

CUT AND CAP EXISTING WATER MAIN

WORK DESCRIPTION:

This work consists of the cutting and capping of the water mains that will be abandoned in place but shall also remain under pressure for some time until it is abandoned or the new water main at locations called out in the plans or that are identified by the Engineer.

A Ductile Iron Cap that is water tight and meeting all requirements shall be used with a restraint and the necessary blocking.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

METHOD OF MEASUREMENT:

This work will be measured for payment per each capping.

BASIS OF PAYMENT:

This work will be paid for at the contract unit price per each CUT AND CAP EXISTING WATER MAIN, which prices will include all labor, equipment, materials and incidentals necessary to complete the work to current standards and in a workmanlike manner.

CURB STOPS, 1.50 INCH

WORK DESCRIPTION:

This work consists of the installation of a curb stop of the size shown on the plans. All costs necessary, including any additional fittings required, to ensure a proper connection between the existing water service line and the curb stop, regardless of type of material of the existing water service line shall be considered to be included in the contract unit price for this item.

MATERIALS

Curb stops shall be manufactured in the U.S. and made of brass and of the compression type with a threaded top or bottom for a Minneapolis style Domestic Water Service Box.

METHOD OF MEASUREMENT

This work will be measured for payment per each installation of a Curb Stop of the size designated on the plans or as directed by the Engineer.

BASIS OF PAYMENT

This work will be paid for at the contract unit per each CURB STOPS, 1.50 INCH, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in a workmanlike manner.

PVC STORM SEWER WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)

PVC STORM SEWER WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)

PVC STORM SEWER WATER MAIN QUALITY PIPE, 24 INCH (MATERIAL PROVIDED)

PVC SANITARY SEWER WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)

WORK DESCRIPTION

This work consists of constructing storm sewer adjacent to or crossing a water main, at the locations shown on the plans and a section of sanitary sewer pipe to remove and replace. The material and installation requirements shall be according to the latest edition of the "Standard Specifications for Water and Sewer

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

Main Construction in Illinois”, and the applicable portions of Section 550 of the Standard Specifications; which may include concrete collars and encasing pipe with seals if required.

Pipe materials shall meet the requirements of Sections 40 and 41-2.01 of the “Standard Specifications for Water and Sewer Main Construction in Illinois.”

Encasing of standard type storm sewer, according to the details for “Water and Sewer Separation Requirements (Vertical Separation)” in the “STANDARD DRAWINGS” Division of the “Standard Specifications for Water and Sewer Main Construction in Illinois”, may be used for storm sewers crossing water mains.

METHOD OF MEASUREMENT

This work shall be measured for payment per foot.

BASIS OF PAYMENT

This work will be paid at the contract unit price per foot for PVC STORM SEWER WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED); PVC STORM SEWER WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED); PVC STORM SEWER WATER MAIN QUALITY PIPE, 24 INCH (MATERIAL PROVIDED), which price shall include all labor, equipment, and incidentals necessary to complete the work to current standards and in an acceptable manner.

CONTROLLED LOW STRENGTH MATERIAL (CLSM)

WORK DESCRIPTION

After the trench is backfilled with granular trench backfill from the spring line up to one (1) foot above the top of the water main and compacted, the remainder of the trench (up to the subgrade) shall be fill with CLSM. This work shall be done in accordance with Section 593 and Section 1019 of the Standard Specifications with special attention to Article 593.03. The mix design shall be Mix 1 according to Article 1019.05.

METHOD OF MEASUREMENT

This work shall be measured for payment in cubic yards according to Article 593.05(b)(2).

BASIS OF PAYMENT

This work shall be paid for at the contract unit price cubic yard for CONTROLLED LOW STRENGTH MATERIAL, which price shall include all labor, equipment, materials, and incidentals necessary to complete the work to current standards and in an acceptable manner.

TRAFFIC CONTROL AND PROTECTION

WORK DESCRIPTION

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

Under this item traffic control shall be provided according to the Plans. A lit and changeable message board shall be placed at the necessary locations no less than two (2) weeks before the road is closed. The Contractor shall furnish and/or place the personnel and all traffic control devices necessary to complete this project to current standards for the duration of this project. The Contractor shall be required to use the latest version of the highway standards and the MUTCD for the placement of the TCP devices.

Section 700 and Section 107 of the Standard Specifications with special attention to Article 107.09 in so far as they apply.

The Contractor shall contact the Engineer at least 72 hours before beginning any of the TCP devices are delivered on site.

METHOD OF MEASUREMENT

TRAFFIC CONTROL AND PROTECTION shall be measured for payment as a Lump Sum.

BASIS OF PAYMENT

Traffic Control and Protection shall be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, which price shall include all labor, equipment, materials, transportation, placement, maintenance and removal as needed and incidentals necessary to complete the work to current standards and in a safe manner.

PARKWAY RESTORATION

WORK DESCRIPTION:

This work consists of the furnishing and placing of topsoil, seed, fertilizer, and hydraulic mulch. The topsoil shall be pulverized and placed to a compacted minimum depth of four (4") inches. The topsoil will be placed in a manner such that after compaction and settling the final grade of the soil will be at the same elevation as the top of the adjacent curb, sidewalk, or driveway. To minimize the amount of material removed, the excavated material removed from the site can be reused to fill all voids. Reused topsoil shall be capped with pulverized topsoil. All disturbed grassed areas will be restored under this item.

No Sodding will be used in this contract. Instead, grassed areas will be restored by planting Class 1, Lawn Mixture grass seed. Full payment for this item will be made when the grass has germinated and is at least two (2") inches in height, covering no less than 75% of each planted area. Interseeding and fertilizing of the existing grass will be allowed if in the Engineers opinion the existing turf was not excessively disturbed.

The Contractor shall furnish, transport and place hydraulic mulch over the seeded areas within 24 hours after seeding. The seeded area shall be given a covering of mulch using Method-3 per Section 251; see Article 251.03(c).

Method-3 shall not be used on slopes greater than 1:3(V: H). This method consists of machine application of wood or paper fiber hydraulic mulch at the specified rate using an approved hydraulic

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

seeder. The hydraulic mulch shall be applied as slurry of 2000 pounds of mulch and not less than 2000 gallons of water per acre. The hydraulic mulch slurry shall be agitated a minimum of 5 minutes before application. The seeds shall not be applied concurrently with this method. Following the mulching operation, no foot or vehicular traffic, over the mulched area is will be allowed. If Contractor's equipment or personnel displaces mulch, it shall be repaired or replaced at Contractor's expense, in a manner satisfactory to the Engineer.

METHOD OF MEASUREMENT:

This item shall be measured for payment per square yard.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square yard for PARKWAY RESTORATION, which price shall be full compensation for all labor, equipment, material and incidentals needed to complete the work as specified.

HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH

WORK DESCRIPTION:

This work shall consist of the replacement of hot-mix asphalt (HMA) driveways with the riding surface being an acceptable mix design of HMA Surface Course specified in this bid document at the locations and matching the in-place, compacted thickness' up to 4 inches. The Contractor may choose to use a Binder Course capped with a Surface course.

Driveway shall be paved within 72 hours after removal. There shall be positive drainage after the driveway is complete. Any pavement damaged outside the removal limits allowed shall be replaced to the satisfaction of the Engineer at the Contractor's expense.

METHOD OF MEASUREMENT:

This work shall be measured using the method of averages for payment per square yard.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per square yard for HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH, which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and as described herein.

SIDEWALK REPAIR (SPECIAL)

WORK DESCRIPTION:

The work consists of saw cutting sidewalk to remove trip hazards at locations meeting each of the following criteria. The method employed to remove sidewalk trip hazards shall be by Precision Concrete Cutting / Safe Step (see www.safesidewalk.com) or an equal method that is approved by the Engineer. No grinding of sidewalks will be allowed.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

Sawing Criteria

1. Sidewalk squares with elevation differences between 3/8 inch and 1 ¼ inch.
2. The Contractor shall submit a list to the Engineer identifying all sidewalk squares that had elevation differences that are greater than 1¼ inch or that are cracked and/or deteriorated and could not be repaired.
2. Sidewalk squares that contain a single crack with an elevation difference per the above criteria.
3. If saw cutting is needed at curb ramps either the curb or the sidewalk can be cut providing that after the cutting the flow line of the curb drains in a positive direction and the back of the curb is sloped in such a way that there is positive drainage across the curb to the flow line.
4. The Contractor shall not perform sawing on sidewalk that meets or exceeds the following deterioration levels and shall include them on the list in Item#2 above:
 - a. Spalling of more than 25% of the sidewalk surface.
 - b. Opened cracks greater than 1/8 inch or cracks with any elevation difference across the crack.

Public Convenience and Safety

1. The Contractor shall schedule the operations so as to cause a minimum of interruption, interference or disturbance to the operation of businesses, churches, and to allow access by pedestrians, emergency personnel, deliveries and service vehicles at all times.
2. The Contractor shall properly barricade the work area all tools and equipment shall not be left or stored on the sidewalk or on private property.
3. Any temporary shutdown of existing access, shall be kept to a minimum and shall be maintained whenever possible.
4. Gasoline or diesel operated equipment shall be equipped with mufflers and insulators to minimize noise.

Limitations of Operations

1. The saw cutting shall be done with a dry cutting tool. The concrete dust resulting from the cutting operation, shall be controlled with a saw-mounted vacuum hood. Remaining debris, cuttings, and concrete dust shall be cleaned from the sidewalk surface as well as the surrounding area. Vacuums shall be equipped with HEPA filters. Surface dust and debris must be swept and removed from the site immediately.

Saw Cutting of Sidewalks, Driveways, and Curbs - Description

1. The Contractor shall take precautions during saw cutting operations not to disfigure, scar, or impair any surrounding surfaces, plantings or other assets (public or private).
2. All trip hazards marked for saw cutting shall be removed in accordance with the American with Disabilities Act Accessibility Guidelines (ADAAG). The surface of the cut shall be tapered at a

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

1:12 slope and must have smooth uniform appearance and texture with a coefficient of friction of at least 0.6.

3. The finished result of each cut shall be taken to a zero point of differential settlement along the entire length of the cut and to both edges of the sidewalk to eliminate trip hazards the full width of the sidewalk.
4. All saw cutting shall be done with a tool that is capable of cutting at any angle and able to remove the trip hazard completely up to all edges of the sidewalk.
5. Existing concrete, asphalt mixes, or other types of material used to shim raised sidewalks shall be removed from adjacent sidewalk stones prior to saw cutting sidewalk.

METHOD OF MEASUREMENT:

This work will be measured for payment per each repair.

BASIS OF PAYMENT:

This work shall be paid for at the contract unit price per each SIDEWALK REPAIR (SPECIAL), which price shall include all labor, equipment, materials and incidentals necessary to complete the work to current standards and in a workmanlike manner.

DRAINAGE UTILITY STRUCTURES TO BE ADJUSTED

WORK DESCRIPTION:

This work consists of the adjustment of existing storm, sanitary, or water vault frames within the construction limits. Class PP concrete shall be used to patch roads with a PCC base. During the adjustment operation, all deteriorated frames shall be replaced as directed by the Engineer. The City will supply replacement frames, lids and/or grates to replace those that are broken or deteriorated. The adjustment shall include the use of a preformed bituminous joint sealant, which shall be placed between the frame and the PCC adjusting rings. Grout shall be acceptable for use between each PCC adjusting ring. The inside of the structure will be grouted with mortar mix no more than 2 feet below the bottom of the frame, the price of which shall be included in the price of the adjustment item.

The adjustment pay item shall include the disposal of the old frame, lids and/or grate and the reuse or placement of new frames, lids and/or grates supplied by the City.

For the Type-1 frame and grate the City may elect to use metallic adjusting rings inside the existing frames to raise the lids to the new elevations. If the City elects to use this type of adjusting ring, the City will supply and place the metallic adjusting ring. The Contractor will not be compensated for this work or any reasonable down time required for their installation. After the first lift of asphalt is placed the Contractor shall identify the structures he will need adjusted with metallic rings. In this case the Contractor shall determine the height of the adjusting rings needed.

METHOD OF MEASUREMENT:

This item shall be measured per each DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED.

BASIS OF PAYMENT:

This work will be paid for at the contract unit price for each DRAINAGE UTILITY STRUCTURES TO BE ADJUSTED. The unit price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and as described herein.

DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, & PATCHING OPERATIONS)

The following Traffic Signal Special Provisions and the "District 1 Standard Traffic Signal Design Details" supplement the requirements of the State of Illinois "Standard Specifications for Road and Bridge Construction" Sections 810, 886, 1079 and 107988.

The intent of this Special Provision is to prescribe the materials and construction methods commonly used to replace traffic signal detector loops and replace magnetic signal detectors with detector loops during roadway resurfacing, grinding and patching operations. Loop detector replacement will not require the transfer of traffic signal maintenance from the District Electrical Maintenance Contractor to this contract's electrical contractor. Replacement of magnetic detector will require wiring revisions inside the control cabinet and therefore the transfer of maintenance will be required. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer.

The work to be provided under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Notification of Intent to Work.

Contracts such as pavement grinding or patching which result in the destruction of traffic signal detection require a notification of intent to work and an inspection. A minimum of seven (7) working days prior to the detection removal, the Contractor shall notify the:

- Traffic Signal Maintenance and Operations Engineer at (847)705-4424
- IDOT Electrical Maintenance Contractor at (773) 287-7600

at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection.

Failure to provide proper notification may require the District's Electrical Maintenance Contractor to be called to investigate complaints of inadequate traffic signal timing. All costs associated with these expenses will be paid for by the Contractor at no additional expense to the Department according to Section 109 of the "Standard Specifications."

Acceptance of Material.

The Contractor shall provide:

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

1. All material approval requests shall be submitted a minimum of seven (7) days prior to the delivery of equipment to the job site, or within 30 consecutive calendar days after the contract is awarded, or within 15 consecutive calendar days after the preconstruction meeting, whichever is first.
2. Four (4) copies of a letter listing the vendor's name and model numbers of the proposed equipment shall be supplied. The letter will be reviewed by the Traffic Design Engineer to determine whether the equipment to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
3. One (1) copy of material catalog cuts.
4. The contract number, permit number or intersection location must be on each sheet of the letter and material catalog cuts as required in items 2 and 3.

Inspection of Construction.

When the road is open to traffic, except as otherwise provided in Section 801 and 850 of the Standard Specifications, the Contractor must request a turn-on and inspection of the completed detector loop installation at each separate location. This request must be made to the Traffic Signal Maintenance and Operations Engineer at (847)705-4424 a minimum of seven (7) working days prior to the time of the requested inspection.

Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal "turn on." If approved, traffic signal acceptance shall be verbal at the "turn on" inspection followed by written correspondence from the Engineer. If this work is not completed in time, the Department reserves the right to have the work completed by others at the Contractor's expense.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid price, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements will be subject to removal and disposal at the Contractor's expense.

Restoration of Work Area.

Restoration of the traffic signal work area due to the detector loop installation and/or replacement shall be included in the cost of this item. All roadway surfaces such as shoulders, medians, sidewalks, pavement shall be replaced as shown in the plans or in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded.

Removal, Disposal and Salvage of Existing Traffic Signal Equipment.

The removal, disposal, and salvage of existing traffic signal equipment shall be included in the cost of this item. All material and equipment removed shall become the property of the Contractor and disposed of by the Contractor outside the State's right-of-way. No additional compensation shall be provided to the Contractor for removal, disposal or salvage expense for the work in this contract.

DETECTOR LOOP REPLACEMENT.

This work shall consist of replacing existing detector loops which are destroyed during grinding, resurfacing, or patching operations.

If damage to the detector loop is unavoidable, replacement of the existing detection system will be necessary. This work shall be completed by an approved Electrical Contractor as directed by the Engineer.

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

Replacement of the loops shall be accomplished in the following manner: The Engineer shall mark the location of the replacement loops. The Traffic Signal Maintenance and Operations Engineer shall be called to approve loop locations prior to the cutting of the pavement. The Contractor may reuse the existing coilable non-metallic conduit (CNC) located between the existing handhole and the pavement if it hasn't been damaged. CNC meeting the requirements of NEC Article 353 shall be used for detector loop raceways to the handholes. All burrs shall be removed from the edges of the existing conduit which could cause damage to the new detector loop during installation. If the existing conduit is damaged beyond repair, if it cannot be located, or if additional conduits are required for each proposed loop; the Contractor shall be required to drill through the existing pavement into the appropriate handhole, and install 1" (25 mm) CNC. This work and the required materials shall not be paid for separately but shall be included in the pay item Detector Loop Replacement. Once suitable CNC raceways is established, the loop may be cut, installed, sealed and spliced to the twisted-shielded lead-in cable in the handhole. All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) deep x 4" (100 mm) saw-cut to mark location of each loop lead-in.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the Traffic Signal Maintenance and Operations Engineer (847)705-4424 to inspect and approve the layout.

Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details." Saw-cuts from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw-cut unless directed otherwise by the Engineer or as shown on the plan.

The detector loop cable insulation shall be labeled with the cable specifications.

Each loop detector lead-in wire shall be labeled in the handhole using a water proof tag, from an approved vendor, secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole, shall be included in the detector loop pay item.

Loop sealant shall be a two-component thixotropic chemically cured polyurethane. The sealant shall be installed 1/8" (3 mm) below the pavement surface. If installed above the surface the excess shall be removed immediately.

Round loop(s) 6 ft (1.8 m) diameter may be substituted for 6 ft (1.8 m) by 6 ft (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Resistance to ground shall be a minimum of 100 mega-ohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be more than 5.

Heat shrink splices shall be used according to the "District 1 Standard Traffic Signal Design Details."

Detector loop replacement shall be measured along the sawed slot in the pavement containing the loop

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

cable up to the edge of pavement, rather than the actual length of the wire in the slot. Drilling handholes, sawing the pavement, furnishing and installing CNC to the appropriate handhole, cable splicing to provide a fully operable detector loop, testing and all trench and backfill shall be included in this item.

Basis of Payment.

Detector Loop Replacement shall be paid for at the contract unit price per foot (meter) of DETECTOR LOOP REPLACEMENT.

MAGNETIC DETECTOR REMOVAL AND DETECTOR LOOP INSTALLATION.

This work shall consist of the removal of existing magnetic detectors, magnetic detector lead-in cable and magnetic detection amplifiers and related control equipment wiring, installation of detector lead-in cable, detector loops, detector amplifiers and related equipment wiring. The detector loop, cable, and amplifier shall be installed according to the applicable portions of the "Standard Specifications" and the applicable portions of the Special Provision for "Detector Loop Replacement." All drilling of handholes, furnishing and installing CNC, cable splicing, trench and backfill, removal of equipment, and removing cable from conduit shall be included in this item.

Basis of Payment.

Magnetic Detector Removal and Detector Loop Installation shall be paid for at the contract unit price per foot for DETECTOR LOOP REPLACEMENT, this unit price shall include all labor, materials, incidentals and equipment necessary to complete the work to current standards and as described herein.

PROPOSAL

The following proposal is hereby made to the **City of Geneva, Illinois**, hereinafter called the Owner.

Proposal is submitted in duplicate by Morton Construction, Inc.
1200 Gasket Dr., Elgin, IL 60120

The undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools and services necessary to perform WATER MAIN IMPROVEMENTS (IL 25) in accordance with the Plans, Specifications and procedural documents attached.

In submitting this proposal the undersigned declares that the only persons or parties interested in the Proposal as principals are those named herein and that the Proposal is made without collusion with any other person, firm, or corporation.

The Undersigned acknowledges receipt of the following Addenda.

<u>Addendum No.</u>	<u>Date</u>	<u>Initials</u>
<u>1</u>	<u>7/20</u>	<u>JK</u>
<u>2</u>	<u>7/20</u>	<u>JK</u>
<u> </u>	<u> </u>	<u> </u>

The Undersigned declares that he has examined the Contract Documents and is familiar with the local conditions at the site where the work is to be performed and with the conditions affecting the Contract and the requirements of the construction and understands that in making this Proposal he waives all right to plead any misunderstanding regarding the same.

The undersigned further agrees to begin work not later than 10 days after the issuance date of the Notice to Proceed unless otherwise provided and to prosecute the work in such a manner and with sufficient materials, equipment, and labor as will insure its completion by the completion date, it being understood and agreed that the completion within the time limit is an essential part of the Contract.

The undersigned hereby proposes and agrees to furnish all necessary labor, materials, equipment, tools and services necessary to perform WATER MAIN IMPROVEMENTS (IL 25) in accordance with the attached Specifications and Documents.



ADDENDUM #1

PROJECT NAME: WATER MAIN IMPROVEMENTS (IL 25)

DATE: 07/21/2023

Please include this sheet with bid package:

Bidders are hereby notified that the Individual Utility Permit Bond amount and requirements for this project set forth by IDOT is as follows:

Individual Utility Permit Bond Forms [one (1) original blue ink hard copy as well as one (1) PDF electronic copy via email] require execution by the contractor. Amount of Bond \$225,000.00

The cost to secure this bond shall not be compensated separately but instead shall be included in the in the bid amount.

END OF TEXT FOR ADDENDUM #1

P:\Engineering\2022 Projects\2022 Water Main Improvements\Route 25\BID DOCUMENTS\2022 Bid Documents\Bid Package 2022 Street Improve\Addendum 1 Water Main Improvements - IL 25 - 2023.docx

CITY OF GENEVA • PUBLIC WORKS DEPARTMENT
1800 South Street, Geneva, Illinois 60134-2547 • Tel 630-232-1501 • FAX 630-208-1503

42 A



ADDENDUM #2

PROJECT NAME: WATER MAIN IMPROVEMENTS (IL 25)

DATE: 07/26/2023

Please include this sheet with bid package:

Bidders are hereby notified that the line item CONTROLLED LOW STRENGTH MATERIAL (CLSM):

This material shall also be used to fill all water mains, sewer pipes and drainage structures to be retired in place, within the roadway or as directed by the Engineer.

This material shall be measured for payment and compensated for payments under line item #101: CONTROLLED LOW STRENGTH MATERIAL (CLSM) as described in the special provisions.

END OF TEXT FOR ADDENDUM #2

P:\Engineering\2023 Projects\2023 Water Main Improvements\Route 25\BID DOC\CLSM\IL 25\2023 Bid Documents\Bid Package 2023 Street Improv\Addendums\Addendum 2 Water Main Improvements - IL 25 - 2023.docx

RETURN WITH BIDS
CITY OF GENEVA, ILLINOIS

SIGNATURES
(If an Individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Insert Names and Addresses of All Partners

(If a corporation)

Corporate Name Martens Construction, Inc.

Signed By President [Signature]

Business Address 1200 Gasket Dr., Elgin, IL 60120

Insert Names of Officers:

President Robert Kutrovitz

Secretary Jerry Kutrovitz

Treasurer Tony Geschke

Attest By Secretary:

[Signature]



WATERMAIN IMPROVEMENTS (IL 25)

SCHEDULE OF PRICES

NO	DESCRIPTION	UNIT	QTY	UNIT PRICES	TOTALS
1	TREE PROTECTION	EACH	3.00	\$300.00	\$900.00
2	TREE ROOT PRUNING	EACH	3.00	\$360.00	\$1,080.00
3	TRENCH BACKFILL	CU YD	86.67	\$62.00	\$5,373.56
4	INLET FILTERS	EACH	15.00	\$280.00	\$4,200.00
5	BITUMINOUS MATERIAL (PRIME COAT)	GAL	74.00	\$9.00	\$666.00
6	AGGREGATE (PRIME COAT)	TON	1.00	\$180.00	\$180.00
7	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	14.00	\$168.00	\$2,352.00
8	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,200.00	\$13.00	\$28,600.00
9	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	400.00	\$16.00	\$6,400.00
10	DETECTABLE WARNINGS	SQ FT	24.00	\$33.00	\$792.00
11	DRIVEWAY PAVEMENT REMOVAL	SQ YD	66.00	\$26.00	\$1,716.00
12	SIDEWALK REMOVAL	SQ FT	2,600.00	\$2.00	\$5,200.00
13	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	787.00	\$168.00	\$132,216.00
14	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	300.00	\$271.00	\$81,300.00
15	CLASS D PATCHES, TYPE IV, 2.50 INCH	SQ YD	777.00	\$52.00	\$40,404.00
16	HMA SURFACE REMOVAL, 1.5 INCH	SQ YD	1,773.00	\$7.00	\$12,411.00
17	HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (SPECIAL)	TON	152.00	\$191.00	\$29,032.00
18	DUCTILE IRON WATER MAIN TEE, 4" X 4"	EACH	1.00	\$550.00	\$550.00
19	DUCTILE IRON WATER MAIN TEE, 8" X 8" (MATERIAL PROVIDED)	EACH	1.00	\$750.00	\$750.00
20	DUCTILE IRON WATER MAIN TEE, 8" X 6"	EACH	8.00	\$1,150.00	\$9,200.00

NO	DESCRIPTION	UNIT	QTY	UNIT PRICES	TOTALS
21	DUCTILE IRON WATER MAIN TEE, 8" X 8"	EACH	5.00	\$1,150.00	\$5,750.00
22	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH	2.00	\$2,360.00	\$4,720.00
23	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 4 INCH (MATERIAL PROVIDED)	EACH	1.00	\$200.00	\$200.00
24	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 4 INCH	EACH	2.00	\$400.00	\$800.00
25	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 6 INCH (MATERIAL PROVIDED)	EACH	2.00	\$600.00	\$1,200.00
26	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 8 INCH (MATERIAL PROVIDED)	EACH	1.00	\$650.00	\$650.00
27	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 8 INCH	EACH	2.00	\$950.00	\$1,900.00
28	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 10 INCH (MATERIAL PROVIDED)	EACH	1.00	\$850.00	\$850.00
29	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 12 INCH (MATERIAL PROVIDED)	EACH	1.00	\$1,250.00	\$1,250.00
30	DUCTILE IRON REDUCER, 6" X 4" (MATERIAL PROVIDED)	EACH	1.00	\$350.00	\$350.00
31	DUCTILE IRON REDUCER, 8" X 4"	EACH	1.00	\$650.00	\$650.00
32	DUCTILE IRON REDUCER, 8" X 6"	EACH	2.00	\$650.00	\$1,300.00
33	DUCTILE IRON REDUCER, 12" X 8" (MATERIAL PROVIDED)	EACH	2.00	\$800.00	\$1,600.00
34	DUCTILE IRON REDUCER, 12" X 10" (MATERIAL PROVIDED)	EACH	1.00	\$800.00	\$800.00
35	DUCTILE IRON WATER MAIN, 4 INCH	FOOT	10.00	\$196.00	\$1,960.00
36	DUCTILE IRON WATER MAIN, 6 INCH	FOOT	30.00	\$150.00	\$4,500.00
37	DUCTILE IRON WATER MAIN, 8 INCH	FOOT	247.00	\$149.00	\$36,803.00
38	PVC WATER MAIN QUALITY PIPE, 4 INCH (MATERIAL PROVIDED)	FOOT	20.00	\$156.00	\$3,120.00
39	PVC WATER MAIN QUALITY PIPE, 6 INCH (MATERIAL PROVIDED)	FOOT	300.00	\$93.00	\$27,900.00
40	PVC WATER MAIN QUALITY PIPE, 8 INCH (MATERIAL PROVIDED)	FOOT	922.00	\$93.00	\$85,746.00
41	PVC WATER MAIN QUALITY PIPE, 10 INCH (MATERIAL PROVIDED)	FOOT	15.00	\$133.00	\$1,995.00
42	PVC WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)	FOOT	65.00	\$138.00	\$8,970.00

NO	DESCRIPTION	UNIT	QTY	UNIT PRICES	TOTALS
43	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)	FOOT	170.00	\$106.00	\$18,020.00
44	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)	FOOT	32.00	\$126.00	\$4,032.00
45	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 24 INCH (MATERIAL PROVIDED)	FOOT	133.00	\$170.00	\$22,610.00
46	PVC SANITARY SEWER, WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)	FOOT	28.00	\$466.00	\$13,048.00
47	WATER VALVES, 8 INCH	EACH	3.00	\$3,000.00	\$9,000.00
48	WATER VALVES, 6 INCH (MATERIAL PROVIDED)	EACH	5.00	\$1,100.00	\$5,500.00
49	WATER VALVES, 8 INCH (MATERIAL PROVIDED)	EACH	8.00	\$1,200.00	\$9,600.00
50	WATER VALVES, 12 INCH (MATERIAL PROVIDED)	EACH	2.00	\$2,320.00	\$4,640.00
51	DUCTILE IRON WATER MAIN FITTINGS 8" 22.50 DEGREE BEND	EACH	2.00	\$600.00	\$1,200.00
52	DUCTILE IRON WATER MAIN FITTINGS 4" 45.00 DEGREE BEND	EACH	2.00	\$400.00	\$800.00
53	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND	EACH	5.00	\$500.00	\$2,500.00
54	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH	1.00	\$680.00	\$680.00
55	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	2.00	\$1,380.00	\$2,760.00
56	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 4 INCH MAIN	EACH	1.00	\$4,680.00	\$4,680.00
57	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 4 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00	\$3,680.00	\$3,680.00
58	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 6 INCH MAIN	EACH	1.00	\$4,920.00	\$4,920.00
59	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 6 INCH MAIN (MATERIAL PROVIDED)	EACH	5.00	\$4,120.00	\$20,600.00
60	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 8 INCH MAIN	EACH	1.00	\$4,920.00	\$4,920.00
61	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 8 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00	\$4,260.00	\$4,260.00
62	NON-PRESSURE CONNECTION, 12 INCH TO EXISTING 10 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00	\$4,680.00	\$4,680.00
63	NON-PRESSURE CONNECTION, 12 INCH TO EXISTING 12 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00	\$4,960.00	\$4,960.00
64	WATER SERVICE LINE 1.50 INCH	EACH	7.00	\$1,880.00	\$13,160.00

NO	DESCRIPTION	UNIT	QTY	UNIT PRICES	TOTALS
65	CORPORATION STOPS 1.50 INCH	EACH	7.00	\$3,680.00	\$25,760.00
66	FIRE HYDRANTS TO BE REMOVED	EACH	3.00	\$980.00	\$2,940.00
67	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1.00	\$10,460.00	\$10,460.00
68	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX (MATERIAL PROVIDED)	EACH	2.00	\$4,600.00	\$9,200.00
69	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	11.00	\$230.00	\$2,530.00
70	DOMESTIC WATER SERVICE BOXES	EACH	11.00	\$1,410.00	\$15,510.00
71	INLET TYPE A, TYPE 11 FRAME AND GRATE W/ CURB PLATE	EACH	1.00	\$4,480.00	\$4,480.00
72	INLET TYPE A, TYPE 11 FRAME AND GRATE	EACH	1.00	\$3,860.00	\$3,860.00
73	INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	1.00	\$2,620.00	\$2,620.00
74	INLET TYPE B, TYPE 11 FRAME AND GRATE w/ CURB PLATE	EACH	1.00	\$4,110.00	\$4,110.00
75	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME AND GRATE w/ CURB PLATE	EACH	1.00	\$7,410.00	\$7,410.00
76	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME AND CLOSED LID	EACH	1.00	\$6,180.00	\$6,180.00
77	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME AND GRATE	EACH	1.00	\$6,180.00	\$6,180.00
78	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15.00	\$4,360.00	\$65,400.00
79	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2.00	\$6,410.00	\$12,820.00
80	MANHOLES TO BE REMOVED	EACH	5.00	\$480.00	\$2,400.00
81	FILLING VALVE VAULTS	EACH	5.00	\$560.00	\$2,800.00
82	PAVEMENT MARKING REMOVAL	SQ FT	150.00	\$3.50	\$525.00
83	ROCK EXCAVATION	CU YD	759.00	\$152.00	\$115,368.00
84	GROUT REMOVAL AND REPLACEMENT	EACH	6.00	\$175.00	\$1,050.00
85	BRICK PAVER, STONE AND MASONRY REMOVAL AND REPLACEMENT	SQ FT	300.00	\$34.00	\$10,200.00
86	SPOT CURB REMOVAL AND REPLACEMENT	FOOT	286.00	\$61.00	\$17,446.00

NO	DESCRIPTION	UNIT	QTY	UNIT PRICES	TOTALS
87	CUT AND PLUG EXISTING WATER MAIN	EACH	8.00	\$1,980.00	\$15,840.00
88	CUT AND CAP WATER MAIN	EACH	8.00	\$1,980.00	\$15,840.00
89	STORM SEWER REMOVAL	FOOT	335.00	\$11.00	\$3,685.00
90	TRAFFIC CONTROL AND PROTECTION	L SUM	1.00	#####	\$115,000.00
91	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	36.40	\$10.00	\$364.00
92	URETHANE PAVEMENT MARKING - LINE 4 INCH	FOOT	1,200.00	\$4.55	\$5,460.00
93	URETHANE PAVEMENT MARKING - LINE 6 INCH	FOOT	90.00	\$6.00	\$540.00
94	URETHANE PAVEMENT MARKING - LINE 12 INCH	FOOT	98.00	\$10.00	\$980.00
95	URETHANE PAVEMENT MARKING - LINE 24 INCH	FOOT	137.00	\$11.00	\$1,507.00
96	PARKWAY RESTORATION	SQ YD	197.78	\$33.00	\$6,526.67
97	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH	SQ YD	34.00	\$122.00	\$4,148.00
98	SIDEWALK REPAIR (SPECIAL)	EACH	30.00	\$250.00	\$7,500.00
99	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	4.00	\$690.00	\$2,760.00
100	CURB STOPS 1.50 INCH	EACH	7.00	\$460.00	\$3,220.00
101	CONTROLLED LOW STRENGTH MATERIAL	CU YD	514.00	\$172.00	\$88,408.00
102	DETECTOR LOOP REPLACEMENT	FOOT	200.00	\$90.00	\$18,000.00
103	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	10.00	\$165.00	\$1,650.00
104	PVC WATERMAIN, 6 INCH IN 12 INCH CASING W/SPACERS (MATERIAL PROVIDED)	FOOT	20.00	\$166.00	\$3,320.00
105	PVC WATERMAIN, 8 INCH IN 16 INCH CASING W/SPACERS (MATERIAL PROVIDED)	FOOT	80.00	\$180.00	\$14,400.00
	TOTAL			\$1,354,984.23	

AFFIDAVIT OF EXPERIENCE

STATE OF Illinois)
)SS
COUNTY OF Cook)

Jerry Ketrovitz being duly sworn, that he is
Secretary, of Morton Construction, Inc.
(Sole owner, member of firm, corporate official) (Individual, firm, or corporate name)
which has done work for the following parties of the general kind and approximate magnitude
under this contract:

<u>Name of Owner</u>	<u>Job Description</u>	<u>\$ Amount</u>
<u>Attache</u>		

and that Morton Construction, Inc. owns or has available
(he, said firm, said corporation)
for immediate use on the proposed work the following plant and equipment:

<u>Machine</u>	<u>Year Built</u>	<u>Machine</u>	<u>Year Built</u>
<u>Attache d</u>			

and that _____ will be assigned to work
(Name of Superintendent)
under this contract, and that his experience in this kind of work is as follows:

<u>Name of Job</u>	<u>Engineer or Owner</u>

Signature: _____
Subscribed and sworn to before me this 10th day of July 2023.
Elizabeth Aderton
Notary Public



City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

CERTIFICATION FOR BID

The undersigned, as a duly-authorized representative of the Bidder do hereby certifies to The City of Geneva, Kane County, Illinois, that the Bidder is not barred from bidding upon the Bid Specifications for the Project known as

WATER MAIN IMPROVEMENTS (IL 25)
, as a result of a violation of either Section 33E-3 or 33E-4 of Chapter 38, Illinois Revised Statutes, 1987 (As Amended).

All laborers, mechanics and any other workers employed in this Public Work contract, whether employed by the Contractor or any Sub-Contractors, shall be paid in accordance with the prevailing wages accepted and approved by The City of Geneva as attached to the Project Specification.


NAME

Mertens Construction, Inc.
COMPANY

7/18/23
DATE

City of Geneva
WATER MAIN IMPROVEMENTS (IL 25)

**CERTIFICATION OF COMPLIANCE WITH SECTION 11-42.1-1
OF THE ILLINOIS MUNICIPAL CODE**

The undersigned, upon first being duly sworn, hereby certifies to the City of Geneva, Kane County, Illinois, that

Morton Construction, Inc. (Contractor) is not currently delinquent in the payment of any tax administered by or owed to the Illinois Department of Revenue, or otherwise in default upon any such tax as defined under Chapter 24, Section 11-42.1 Illinois Revised Statutes.

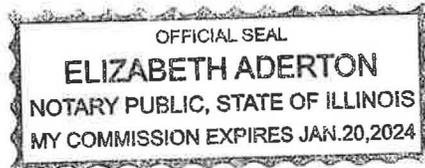
Morton Construction, Inc.
CONTRACTOR'S NAME

BY: [Signature]
(TITLE) Secretary

Subscribed and sworn before me this 10

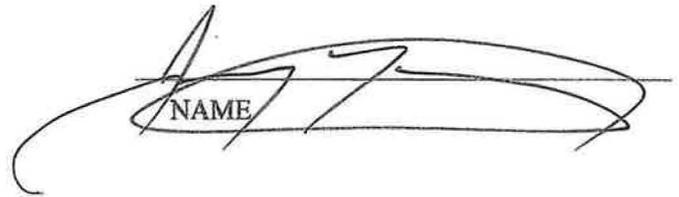
Day of July, 2023

[Signature]
Notary Public



CERTIFICATION FOR DRUG FREE WORK PLACE

The undersigned, as a duly-authorized representative of the Contractor do hereby certifies to The City of Geneva, Kane County, Illinois, that the Contractor ensures that he/she will operate a work environment which is free of any and all illegal drugs in accordance with the Drug Free Workplace Act of January, 1992. In addition, any prescribed drugs that will impair an employee's judgment or ability to work safely should not be allowed on the work site or on any satellite location.


NAME

Mertens Construction, Inc
COMPANY

7/18/23
DATE



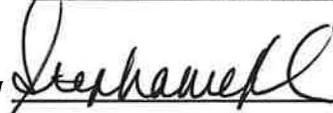
CONTRACT:

- 1) THIS AGREEMENT, made and concluded the 5th day of September, 2023 between the CITY of GENEVA, ILLINOIS acting by and through its MAYOR and CITY COUNCIL known as the party of the first part, and MARTAM CONSTRUCTION, INC. acting by and through his/there executors, administrators, successors or assigns, known as the party of the second part.
- 2) In consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in an acceptable manner and in accordance with the plans and specifications, and in full compliance with all the terms of this agreement.
- 3) It is also understood and agreed that the Plans, Notice to Bidders, Instructions to Bidders, Special Provisions, Proposal, Schedule of Prices, and Contract Bond, Affidavits and Certifications and Addendum hereto attached for the WATER MAIN IMPROVEMENTS on Route 25 in the CITY of GENEVA, ILLINOIS, are essential documents to this contract and are a part hereof.
- 4) IN WITNESS WHEREOF, The above parties have executed these present on the date above.



Deputy Clerk

The City of GENEVA, ILLINOIS

by 
CITY ADMINISTRATOR

Attest:

Corporation Name: MARTAM CONSTRUCTION, INC.



Secretary


President Party of the Second Part

CONTRACT BOND

LET IT BE KNOWN TO ALL, that we MARTAM CONSTRUCTION, INC., a corporation organized under the laws of the State of Illinois and licensed to do business in the State of Illinois, as PRINCIPAL, and

Travelers Casualty and Surety Company of America, a corporation and existing under the laws of the State of

Connecticut, with authority to do business in the State of Illinois, as SURETY, are held and

firmly bound unto the City of Geneva, Illinois in the penal sum of ONE MILLION, THREE HUNDRED FIFTYFOUR THOUSAND, NINE HUNDRED EIGHTYFOUR - 23/100 Dollars (\$ 1,354,984.23), lawful money of the United States, well and truly to be paid unto City of Geneva, State of Illinois, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to pay the City of Geneva, State of Illinois this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the City of Geneva, State of Illinois, which is a municipal corporation and acts through the Mayor and City Council for the construction of the work designated WATER MAIN IMPROVEMENTS which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money; and further agrees to obtain a one (1) year maintenance bond to remain in effect for the duration of one (1) year after final payment.

NOW THEREFORE, If the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the aforesaid City of Geneva, Illinois and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers
this 8th day of September A.D. 2023

PRINCIPAL

MARTAM CONSTRUCTION, INC.
(Company Name)

By: [Signature] President
(Signature) (Title)

Attest: [Signature] c. Secretary
(Signature) (Title)

State of Illinois

County of Cook

I, Karen Linkevich, a Notary Public in and for said county, in the State aforesaid, do

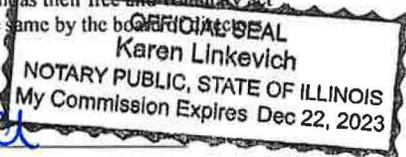
hereby certify that Robert Kotrovatz & Jerry Kotrovatz to me personally known to be

(Insert names of individuals signing on behalf of PRINCIPAL)

President and Secretary respectively of MARTAM CONSTRUCTION, INC., a corporation, and who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged that as such President and Secretary respectively they signed, sealed, and delivered said instrument as their free and voluntary act of said corporation, for the uses and purposes therein set forth, and that they were duly authorized to execute the same by the board of said corporation.

Given under my hand and Notarial seal this 8th day of September A.D. 2023.

My commission expires 12/22/23 Karen Linkevich
Notary Public



Travelers Casualty and Surety Company of America **SURETY**
(Name of Surety) By: [Signature]
(Signature of Attorney-in-Fact) James I. Moore

State of Illinois

County of DuPage

I, Maria A. Gonzalez, a Notary Public in and for said county, in the State aforesaid,

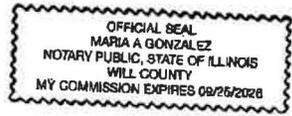
do hereby certify that James I. Moore, who is personally known to me to be the same person who signed the above and foregoing instrument as the Attorney-in-Fact for Travelers Casualty and Surety Company of America appeared before me this day in

(Insert name of individual signing on behalf of SURETY)

person and acknowledge that they signed the name of James I. Moore hereto, as their Principal, and their own name as Attorney-in-Fact, as the free and voluntary act of their said Principal for the uses and purposes therein set forth, and that they executed the said instrument under authority given them by said Principal.

Given under my hand and Notarial seal, this 8th day of September A.D. 2023.

My commission expires 09/25/2026 [Signature]
Notary Public



Approved this 15th day of September, A.D. 2023

Attest: [Signature]
Deputy, Clerk

[Signature]
City of Geneva
(Awarding Authority)
[Signature]
(City Administrator)





**Travelers Casualty and Surety Company of America
 Travelers Casualty and Surety Company
 St. Paul Fire and Marine Insurance Company
 Farmington Casualty Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, St. Paul Fire and Marine Insurance Company, and Farmington Casualty Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint James I. Moore of Downers Grove, IL, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge the following bond:

Surety Bond No.: 107887144

Principal: Martam Construction, Inc.

OR

Obligee: City of Geneva

Project Description:

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April, 2021**.



State of Connecticut

By: 
 Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the **21st** day of **April, 2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2026**




 Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

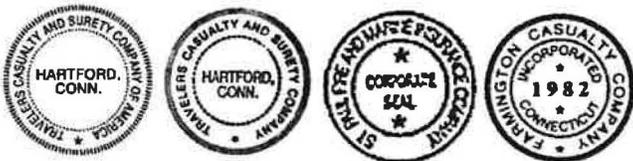
FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

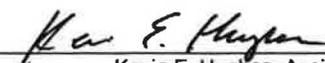
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 8th day of September 2023




 Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
 Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**