VILLAGE OF TINLEY PARK

DEMOLITION OF STRUCTURE at:

17226 Oak Park Avenue

INVITATION TO BID ADVERTISEMENT

The Village of Tinley Park, Illinois ("Village") will receive bids no later than 10:00 a.m. on May 1, 2017 (Central Standard Time) for demolition of one (1) structure located within the Village. Sealed bid opening will occur at 10:00 a.m. on the same date at Tinley Park Village Hall, 16250 S. Oak Park Avenue, Tinley Park, Illinois 60477, at the Village Hall.

There will be a mandatory pre-bid meeting/site visit scheduled from 10:00 a.m. to 11:00 a.m. (Central Standard Time) on Monday, April 24, 2017. Contractors will be required to visit (17226 Oak Park Avenue) the site for the purposes of clearly understanding the scope of work and services to be performed.

The potential exists for hazardous material to be present at the projection location. The Village has caused an asbestos survey to be performed at the project site and has included a copy of the survey results as part of this invitation to bid. However, the contractor is fully responsible for the removal of all hazardous materials from the project location. All hazardous material must be removed and disposed in accordance with applicable federal, state and local requirements. Any costs for the removal and disposal of hazardous material must be included in Section C of the bid proposal.

All quotes offered on this bid solicitation shall include materials, tools, and equipment necessary to complete the demolition of the structure. No Bidder may withdraw their bid for a period of ninety (90) days after the scheduled closing time for receipt of the bids.

Bidding documents can be downloaded at www.tinleypark.org for free. Interested parties should click on the "business" section of the website and then "contract opportunities".

The Contractor is responsible for all notifications, permits, and fees for the demolition, and for asbestos removal (if applicable). Bids are to be addressed to the Tinley Park Village Clerk and mailed or delivered to the Clerk of the Village of Tinley Park, 16250 S. Oak Park Avenue, Tinley Park, IL, 60477.

Bids shall be identified on the exterior of the sealed envelope "TINLEY PARK VILLAGE CLERK, BID DEMOLITION", with the Bidder's name and address.

A bid bond or certified check payable to the Village of Tinley Park in the amount of 5% of the bid price is required with the bid presented. A 100% performance and payment bond will be required from the Successful Bidder.

Sufficient proof liability and workmen's compensation insurance must be furnished to the Village.
Please be advised that all bids must comply with the Illinois Prevailing Wage Act and the Prevailing Rate of Hourly Wages in the Village of Tinley Park where the Work is to be performed is to be paid to all persons on the project.

The Village reserves the right to waive any irregularities or reject any or all bids. The contract award will be based on the lowest responsive, responsible bid, as determined by the Village.

Submit questions via email to: Village of Tinley Park, attention Ken Karczewski at kkarczewski@tinleypark.org or via fax at (708) 444-5099. Questions are required no less than three (3) business days prior to the proposal opening date. Absolutely no information communication shall occur regarding this Invitation to Bid, including requests for information, or speculation between Offeror's or any of their individual members and any Village elected official or employee. All questions will be answered with a copy of the question and answer to each proposer.
VILLAGE OF TINLEY PARK

INSTRUCTIONS TO BIDDERS AND GENERAL CONDITIONS

FOR DEMOLITION PROJECT

SECTION B

1. DEFINED TERMS:

1.1. The term "Village" means the Village of Tinley Park.

1.2. The term "Bidder" means one who submits a Bid directly to the Village, as distinct from a sub bidder who submits a bid to a Bidder.

1.3. The term "Successful Bidder" means the lowest, qualified, responsible and responsive Bidder or Bidders to whom the Village shall make an award of the Contract.

1.4. The term "Bidding Documents" includes the Invitation to Bid Advertisement, these Instructions, all Bid Forms, and the proposed Contract Documents.

1.5. The term "Engineer" means the Village Engineer or the Engineer's designee assigned to this project as the Contract Administrator.

1.6. The term "Project Site" means the property where the building to be demolished is located.

1.7. The term "Contractor" means the successful bidder that is awarded the Contract.

2. QUALIFICATIONS OF BIDDERS AND SUBMISSION REQUIREMENTS:

2.1 Bidders must be licensed contractors in the State of Illinois and in the Village of Tinley Park.

2.2. Each Bidder must be prepared to submit upon request such written evidence as may be requested to demonstrate the Bidders qualifications to perform the Work. Such evidence may include financial data, present commitments, and proposed subcontractors and suppliers.

2.3 Bidder is required to submit four (4) bid packets to the Village of Tinley Park – Clerk’s Office, 16250 South Oak Park Avenue, Tinley Park, IL 60477, including the following information:

   Section 1 - Executive Summary. Provide a brief summary, which describes and highlights your firm’s experience, qualifications, and expertise with building demolition.

   Section 2 – References. At least three (3) references demonstrating demolition project experience of similar scope and size, including name, address, phone number and project name for each reference.

   Section 3 - Proposed Cost and renewal Option. Provide your total cost of the project for services detailed in Section C of this Invitation for Bid Document.
Bids shall be identified on the exterior of the sealed envelope "TINLEY PARK VILLAGE CLERK, BID DEMOLITION", with the Bidder's name and address. By submitting a bid, the Bidder certifies that he has the proper license to do the work within and/or for the Village of Tinley Park, including contractors and business license.

3. EXAMINATION OF CONTRACT DOCUMENTS AND THE PROJECT SITE:

3.1. It is the responsibility of the Bidder to:

3.1.1 Thoroughly examine the Bidding Documents.

3.1.2 Visit the site and become familiar with the existing conditions and the scope of the project work; and become familiar with the surrounding conditions that may affect the cost, progress, performance or furnishing of the work.

3.1.3 Consider all federal, state and/or local laws and regulations that may affect the cost, progress, performance or furnishing of the Work.

3.1.4 Study and carefully correlate the Bidders observations with the Bidding Documents. By presenting this Bid, Bidder represents that they have read and acknowledge contents of Bid Document and understands the Bid Documents.

3.1.5 Notify the Village of all conflicts, errors or discrepancies found in the Bidding Documents.

3.2. The submission of a bid will constitute an incontrovertible representation by the Bidder that the Bidder has complied with every requirement of this section, that without exception, the bid is premised upon performance and furnishing the work required by the Contract Documents, using the products, means, methods, techniques, sequences and/or procedures contained therein, and that the Contract Documents are sufficient in scope and detail and convey understanding of all terms and conditions for performance and furnishing the Work.

4. BID FORM:

4.1. The Bid Form is included in the Bidding Documents.

4.2. All blanks on the Bid Form must be completed, either in ink or typewritten.

4.3. Bids by corporations must be executed in the corporate name by the President or Vice-President, or other corporate officer, when proper authorization to sign is attached to the bid.

4.4. Bids by a partnership must be signed by all partners.

5. BONDS:

5.1. The successful Bidder shall provide to the Village a Bid bond or certified check in the amount of 5% of the bid amount, provide to the Village a Performance Bond equal to 100% of the bid amount, and provide to the Village a Payment Bond equal to 100% of the bid amount. Payment to the contractor shall be for the entire contract amount after completion and acceptance of work.
6. SIGNING OF THE AGREEMENT:

6.1. When the Village submits to the Successful Bidder the "Notice of Award" and Agreement for execution, it will be in the number of copies necessary, all of which shall be signed and shall constitute an original Agreement. Within ten (10) days thereafter, the Successful Bidder shall sign and deliver all copies of the Agreement to the Village, accompanied by a certificate of insurance.

7. NOTICE OF AWARD and NOTICE TO PROCEED:

7.1. The Village may give the Successful Bidder a Notice of Award at any time within ninety (90) days from the date of opening of bids. After receiving the Notice of Award, the Successful Bidder shall begin the work only upon receiving a written notice to proceed from the Village.

8. INDEMNITY

8.1 The Contractor will indemnify and save harmless the Village, its officers, agents, servants, and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses, and attorneys' fees to the extent resulting from a willful or negligent act or omission of the Contractor, its officers, agents, servants, and employees in the performance of this Contract; provided, however, that the Contractor shall not be liable for any suits, actions, legal proceedings, claims, demands, damages, costs, expenses and attorneys' fees arising out of the award of this Contract or a willful or negligent act or omission of the Village, its officers, agents, servants and employees.

9. INSURANCE

9.1 The Contractor shall at all times during the Contract maintain in full force and effect Employer's Liability, Workmen's Compensation, Prevailing Wage Requirements, Public Liability and Property Damage Insurance, including contractual liability coverage for the provisions of Indemnity. All insurance shall be by insurers and for policy limits acceptable to the Village and before commencement of work hereunder the Contractor agrees to furnish the Village certificates of insurance which shall name the Village of Tinley Park, as an additional insured.

For the purpose of the Contract, the Contractor shall carry the following types of insurance in at least the limits specified below:

COVERAGES

LIMITS OF LIABILITY

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Statutory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workmen's Compensation</td>
<td>$500,000</td>
</tr>
<tr>
<td>Employer's Liability</td>
<td></td>
</tr>
<tr>
<td>Bodily Injury Liability Except Automobile</td>
<td>$1,000,000 each occurrence $2,000,000 aggregate</td>
</tr>
<tr>
<td>Property Damage Liability Except Automobile</td>
<td>$300,000 each occurrence $3,000,000 aggregate</td>
</tr>
<tr>
<td>Automobile Bodily Injury Liability</td>
<td>$1,000,000 each person, $2,000,000 each occurrence</td>
</tr>
<tr>
<td>Automobile Property Damage Liability</td>
<td>$300,000 each occurrence</td>
</tr>
<tr>
<td>Excess Umbrella Liability</td>
<td>$10,000,000 each occurrence</td>
</tr>
</tbody>
</table>
10. **ADDITIONAL INSTRUCTIONS**

10.1 The Contractor shall be responsible for all utility disconnections and utility locates.

10.2 Demolition includes removal of the structures, asbestos removal (if applicable), removal of miscellaneous debris associated with the structure, all asphalt from the parking lot, and all foundations and slabs to an approved landfill site.

10.3 Removal and disposal of asbestos material must meet all federal, state, and local requirements.

10.4 The Contractor is required to remove the full foundation and basement. The hole shall be free of water before backfilling and with no voids. All storm sewer inlets within 400 feet demolition work shall be fitted with filter fabric and devices to prevent erosion of crushed concrete material into the storm sewer. That filter fabric and erosion control devices shall remain in place after completion of project. Contractor should reference the “General Specification for Demolition of Building Structures” instructions attached to this invitation to bid.

10.5 The Property is to be graded to level condition. Contractor should reference the “General Specification for Demolition of Building Structures” instructions attached to this invitation to bid.

10.6 The Contractor is responsible to secure the site from access by unauthorized persons using fencing of the project area and any other measures to secure project site.

10.7 No explosives may be used in demolition.

10.8 Failure to commence or complete demolition in the required amount of time will result in termination of contract and liquidated damages in the amount of $500.00 per day.

10.9 Successful Bidder shall provide to the Village a schedule to the Village within 10 days of award of contract, and provide to the Village weekly written schedule updates.

10.10 Contractor is required to perform "dust free" demolition. Contractor shall obtain at its own expense all permits and license necessary to complete the work and provide to the Village a copy of all applicable permits for the demolition, including but not limited to the Cook County demolition permit.

10.11 Contractor may recycle any scrap materials removed from the site in a manner that meets all applicable rules and regulations, but may not store scrap or other materials on site.

10.12 Contractor is responsible to verify that the building is unoccupied before start of demolition, and to meet all safety rules and regulations.

10.13 The Successful Bidder is responsible for protecting adjacent structures and right-or-ways during demolition work. The Successful Bidder shall repair any damage to adjacent structures or rights-of-way without additional cost to the Village or any other property owner(s).
10.14 Temporary Signs must be posted on both ends of the sidewalk notifying users that the sidewalk is temporarily closed during the demolition.

10.15 Successful Bidder is required to comply with the following regulations and policies, in addition to any other regulations that may typically be applicable. As follows:

10.15.1 Prevailing Wage Public Act 94-0515. Successful Bidder to provide to the Village copies of payment waivers and weekly certified payrolls.

10.15.2 Village of Tinley Park Contractor's Drug Free Workplace certification

10.15.3 Sexual Harassment Policy

10.15.4 Apprenticeship Training. Successful Bidder to provide to the Village apprenticeship or training program certification.

10.15.5 Village of Tinley Park's Contractor's Certification pursuant to P.A85-1295 (720 ILCS 5/33E-1 et seq.)

10.15.6 Village of Tinley Park Fair Employment Practices Affidavit of Compliance

10.15.7 Village of Tinley Park Indemnity Hold Harmless Agreement. Bidder required to provide to the Village signed and notarized form.

10.15.8 Village of Tinley Park Anti-collusion Affidavit of Compliance

10.15.9 Village of Tinley Park Local Vendor Purchasing Policy

11. PROJECT CLOSEOUT

11.1 Provide to the Village video documentation of the condition of all properties abutting the property where demolition will occur, prior to demolition and after the demolition is complete.

11.2 Photos of all four sides of the structure prior to demolition, four photos of the foundation hole prior to back fill from each direction north south east and west, photo of the foundation hole after backfilling, photo showing the hole graded to match existing surrounding grades. All photos and videos to be provided on a CD or USB drive.

11.3 Provide to the Village copies of all waste dump / disposal manifests and applicable asbestos reports.

12. ACCEPTANCE OF BIDS
12.1 The Village reserves the right to reject any and all Bids or parts thereof and to waive any technicalities and irregularities in the bidding and to disregard all nonconforming or conditional Bids or counter-proposals and to hold the Bid proposals for ninety (90) days from the opening date set forth above. Bidder agrees to accept a Notice Of Award, if selected, based on the terms of this Bid in the event that a notification of award is received on or before expiration of the ninety (90) day time period. The Village reserves the right to cancel the Bid at any time, without liability for any loss, damage, cost, or expense incurred or suffered by any Bidder as a result of that cancellation. Each Bidder is solely responsible for the risk and cost of preparing and submitting a bid.

12.2 The contract will be awarded to the lowest responsible Bidder, as determined by the Village. In determining the responsibility of any Bidder, the Village may take into account other factors in addition to financial responsibility, such as past records of its or other entities transactions with the Bidder, experience, ability to work cooperatively with the Village and its staff, adequacy of equipment, ability to complete performance within necessary time limits, and other pertinent considerations. The Bid will be awarded in the Village's best interests based on these and other legally allowable considerations.

12.3 Local Vendor Purchasing Policy. The Village of Tinley Park Local Vendor Purchasing Policy provides local vendors preferential treatment when competing for contracts within the Village. A "local vendor" is defined as a business that has an actual business location within the Village of Tinley Park and is licensed by the Village. When considering contracts, the Village reserves the right to forego the lowest bid in favor of a local vendor when the amount of the local bidder exceeds that of the otherwise lowest bid as follows, provided both bidders are found to be responsive and responsible:

<table>
<thead>
<tr>
<th>Contract value</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 to $250,000</td>
<td>5%</td>
</tr>
<tr>
<td>$250,000 to $500,000</td>
<td>4%</td>
</tr>
<tr>
<td>$500,000 to $750,000</td>
<td>3%</td>
</tr>
<tr>
<td>$750,000 to $1,000,000</td>
<td>2%</td>
</tr>
<tr>
<td>$1,000,000 to $2,000,000</td>
<td>1%</td>
</tr>
</tbody>
</table>

Maximum amount a local vendor's bid may exceed lowest responsive and responsible bid is $25,000.
VILLAGE OF TINLEY PARK

BID FORM PROPOSAL FOR THE DEMOLITION PROJECT

SECTION C

Name of Bidder

In compliance with the Village of Tinley Park legal Notice to Bidders for the Project Demolition of Structure, the undersigned bidder, a corporation organized and existing under the laws of the State of ____________, or a partnership of ____________ or an individual doing business as ____________, of the Village of ____________, State of ____________, having examined the specifications and contract forms thereto attached, and being fully advised as to the extent and character of the work to be performed, and the equipment to be furnished, hereby proposed to furnish all labor, tools, material, plant and equipment necessary for the Project.

The undersigned further proposes to perform all work and furnish all equipment in accordance with the specifications and contract stipulations thereof, within the time limit specified, for the price so stated below.

TOTAL BID PRICE FOR STRUCTURE DEMOLITION, AT 17226 Oak Park Avenue:

$_____________ DOLLARS AND ___________CENTS

(Bid Price to include cost of asbestos/hazardous material removal)

BIDDER understands that the Village reserves the right to reject any or all bids and to waive any informality in bidding.

Upon receipt of written notice of acceptance of this bid, Bidder will execute the formal contract attached within TEN (10) days and deliver insurance coverage as required by the Instructions to Bidders.

BY: __________________________ (Contractor’s Name)

______________________________ (Contractor’s Address)

______________________________ (Contractor’s Address)

______________________________ (Contractor’s phone number)

Seal--if bid is by a corporation __________________________

Page 9 of 11 Bid Documents Rev date 4/12/2017
VILLAGE OF TINLEY PARK
CONSTRUCTION CONTRACT
FOR DEMOLITION PROJECT
SECTION D

This AGREEMENT made this __________ day of __________, 20__ by and between the Village of Tinley Park, hereinafter referred to as the "Village" and __________ hereinafter referred to as the "Contractor," witnesses that the Village and the Contractor, in consideration of the mutual covenants hereinafter set forth, agree as follows

1. Work:

1.1. The Contractor shall furnish all labor and materials necessary to facilitate the work in accordance with the terms of the Bid Package including the Invitation to bid, Instructions to Bidders and General Conditions, Bid Proposal Form and Bonds, all of which documents are hereto attached and made a part hereof.

2. Manager:

2.1. The Project has been initiated by the Village Manager who is hereinafter referred to as the "Manager". The Manager or his designated representatives shall act as the Village's representative, assume all duties and responsibilities and have the rights and authority assigned to the Manager in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

3. Contract Time:

3.1. The work will be substantially completed within forty-five (45) calendar days from the date the Contractor receives the notice to proceed.

4. Contract Price and Payment Procedures:

4.1. The Village shall pay the Contractor for completion of the work in accordance with the Contract Documents in current funds, as follows:

$ ____________________

4.2. The Contractor shall submit Applications for payment at the completion of the work. Applications will be processed by the Engineer, and upon determining the Contractor's satisfactory completion of the work in accordance with the Contract Documents, the Village will make payment within forty five (45) days from the request for payment.
5. Other Considerations:

5.1. IN WITNESS WHEREOF, the Village and the Contractor have signed this AGREEMENT in duplicate. One counterpart each has been delivered to the Village and the Contractor.

5.2. This AGREEMENT will be effective upon its signing of each party thereto and will be binding until the acceptance by the Village of all the work therein.

VILLAGE OF TINLEY PARK CONTRACTOR

By: ____________________________  By: ____________________________

Title: ____________________________  Title: ____________________________

(SEAL)  (SEAL)

Attest: ____________________________  Attest: ____________________________

Date: ____________________________  Date: ____________________________

Address for giving Notices: Address for giving Notices:

Village of Tinley Park ______________________________________

16250 S. Oak Park Avenue ______________________________________

Village of Tinley Park, Illinois ______________________________________

APPROVED AS TO FORM:

__________________________

Village Attorney
VILLAGE of TINLEY PARK

GENERAL SPECIFICATION FOR DEMOLITION OF BUILDING STRUCTURES

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Demolition of Building Structures
B. Site Backfill, Grading, and Clean-Up
C. Protection of Public and Private Utilities
D. Soil Surface Restoration

1.02 DESCRIPTION OF WORK

Unless directed otherwise in the Contract Documents, the Contractor shall:

A. Remove and properly dispose of all structures, trash, rubbish, basement walls, floors, foundations, sidewalks, steps and driveways from the specified parcel.
B. Remove any fuel tanks, outdoor toilets and septic tanks, cisterns, meter pits, and plug or abandon wells.
C. Remove the materials from the demolition site in accordance with federal, state and local regulations.
D. Remove and dispose of appliances and other items that may contain refrigerants in accordance with 40 CFR, Part 82. Appliances and other items that may contain refrigerants include, but are not limited to, refrigerators, freezers, dehumidifiers and portable or central air conditioners.
E. Remove and legally dispose of mercury-containing materials including fluorescent, high-pressure sodium, mercury vapor, metal halide light bulbs, and thermostats containing a liquid filled capsule. PCB-containing materials include capacitors, ballasts, and transformers where the component is contained within a metal jacket and does not have a specific, legible label stating no PCBs are present.
F. Disconnect all utility services before demolition.
G. Perform site clearance, grading and restoration.
H. Complete the demolition work in accordance with the plans and these technical specifications and any special provisions included in the Contract Documents.

1.03 PROTECTION OF THE PUBLIC AND PROPERTIES

A. Littering Streets

1. The Contractor shall be responsible for removing any demolition debris or mud from any street, alley or right-of-way resulting from the execution of the demolition work. Any cost incurred by the Jurisdiction in cleaning up any litter or mud shall be charged to the Contractor and be deducted from funds due for the work.
2. Littering of the site shall not be permitted.

3. All waste materials shall be promptly removed from the site.

B. Street Closure

1. If it should become necessary to close any traffic lanes, it shall be the Contractor’s responsibility to acquire the necessary obstruction permits and to place adequate barricades and warning signs as required by the Jurisdiction.

2. Street or lane closures shall be coordinated with the appropriate Jurisdiction authority.

C. Protection of the Public by the Contractor

1. Sidewalks. The Contractor shall be responsible for any damage to public sidewalks abutting or adjacent to the demolition properties resulting from the execution of the demolition work. The cost of repair or replacement shall be considered incidental to the work and the Contractor shall obtain all permits and pay any fees.

2. Pedestrian Access: It shall be the Contractor’s responsibility to place and construct the necessary warning signs, barricades, fencing and temporary pedestrian sidewalks, as directed by the Village representative, and to maintain alternate pedestrian access for sidewalks around the demolition site. The cost of these items shall be considered incidental to the work.

3. Temporary Fence: Temporary fence shall be erected around all excavation, dangerous building(s) or structure(s) to prevent access to the public. Such fence shall be at least four feet high, consistently restrictive from top to grade, and without horizontal openings wider than two inches. The fence shall be erected before demolition and shall not be removed until the hazard is removed.

D. Demolition Hours

1. The Contractor shall comply with any restrictions to working hours as included in the Contract Documents.

2. The Contractor shall comply with all applicable ordinances and restrictions of the Jurisdictional entity.

E. Noise Pollution: All construction equipment used in conjunction with this project shall be in good repair and adequately muffled. The Contractor shall comply with any noise pollution requirements of the Jurisdiction.

F. Dust Control: The Contractor shall comply with applicable air pollution control requirements of the Jurisdiction. The Contractor shall take appropriate actions to minimize atmospheric pollution. To minimize atmospheric pollution, the Village representative shall have the authority to require that reasonable precautions be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to:

1. The use of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads, or the cleaning of land.

2. Covering, at all times when in motion, open-bodied trucks transporting materials likely to give rise to airborne dusts.
G. Requirements for the Reduction of Fire Hazards

1. Removal of Materials: Before demolition of any part of any building, the Contractor shall remove all volatile or flammable materials, such as gasoline, kerosene, benzene, cleaning fluids, paints or thinners in containers, and similar substances.

2. Fire Extinguishing Equipment: The Contractor shall be responsible for having and maintaining the correct type and class of fire extinguisher on site. When a cutting torch or other equipment that might cause a fire is being used, a fire extinguisher shall be placed close at hand for instant use.

3. Fires: No fires of any kind will be permitted in the demolition work area.

4. Hydrants: No material obstructions or debris shall be placed or allowed to accumulate within fifteen feet of any fire hydrant. All fire hydrants shall be accessible at all times.

5. Debris: Debris shall not be allowed to accumulate on roofs, floors, or in areas outside of and around any structure being demolished. Excess debris and materials shall be removed from the site as the work progresses.

6. Telephone Service: The Contractor shall arrange for access to and use of, during working hours, one or more telephones in the vicinity of the work site for the purposes of making calls in case of fire or other emergencies, and shall keep all personnel on the job, and the local jurisdiction informed of the location of such telephones. The Contractor's foreman, or at least one regular member of each shift, shall be charged with the responsibility of promptly calling emergency services when necessary. The same person shall be required to inspect the building and the site frequently for possible fires or fire-producing conditions and to apply appropriate corrective action, particularly at the close of work each day.

H. Protection of Public Utilities: The Contractor shall not damage existing fire hydrants, street lights, traffic signals, power poles, telephone poles, fire alarm boxes, wires, cables, pole guys, underground utilities or other appurtenances in the vicinity of the demolition sites. The Contractor shall pay for temporary relocation of utilities, which are relocated at the Contractor's request for his convenience.

I. Protection of Adjacent Property

1. The Contractor shall not damage or cause to be damaged any public right-of-way, structures, parking lots, drives, streets, sidewalks, utilities, lawns or any other property adjacent to parcels released for demolition whether or not the property is scheduled for future demolition. The Contractor shall provide such shielding and shoring as required to protect adjacent property during demolition. Care must also be taken to prevent the spread of dust and flying particles.

2. The Contractor shall restore existing agricultural drain tiles or roadway subdrains that are cut or removed, including drainable backfill, to original condition. Repairs shall be subject to approval by the property owner where applicable, and by the Village representative.

1.04 RISK OF LOSS

The Contractor shall accept the site in its present condition and shall inspect the site for its character and the type of structures to be demolished. The Jurisdiction assumes no responsibility for the condition of existing buildings, structures, and other property within the demolition area, or the condition of the property before or after the solicitation for proposals. No adjustment of proposal price or allowance for any change in conditions that occur after the acceptance of the lowest responsible, responsive proposal will be allowed.
1.05 PROPERTY OWNERSHIP

A. Title: The property address, legal description, and ownership will be included in the Contract Documents. Upon execution of the contract for the work of demolition and site clearance on all or any part of the demolition area, all rights, title, and interest of the Jurisdiction in and to buildings, structures and other property to be demolished and/or removed by the Contractor on part or all of said project area as described in the Contract Documents and contract addenda thereto, shall be deemed to be vested in the Contractor.

B. Land: No property rights, title, or interest of any kind whatsoever, in or to the land or premises upon which such buildings or structures stand, is created, assigned, conveyed, granted, or transferred to the Contractor, or any other person or persons, except only the license and right of entry to remove such buildings and structures in strict accordance with the Contract Documents. Contractor shall not use the land or premises, or allow any other party to use the land or premises, for any purpose other than activities in direct support of the demolition of the building.

1.06 VACATING OF BUILDINGS

The structures identified in the Contract Documents shall be vacated before a Notice to Proceed is issued and the Contractor begins work. In case the Contractor finds that any structure is not vacated, the Contractor shall immediately notify the Village representative and shall not begin demolition or site clearance operations on such property until further directed by the Village representative. The Contractor’s responsibility for such buildings will not begin until the Village representative issues a Notice to Proceed the Demolition Order. No claim for extension of time or increase in price will be considered because of occupancy of any buildings. In case such occupancy is prolonged, the Jurisdiction reserves the right to delete the structure from the work.

1.07 RELEASE OF BUILDINGS

The demolition area shall be released to the Contractor upon Award of Contract and Notice to Proceed. Said Notice to Proceed shall give any sequence of the demolition and the portion of work that is available to be released if all areas are not ready at the same time. The Village representative shall approve any change in the sequence. The Contractor shall have full control of the demolition progress and clearance of the site, subject to the provisions of the Contract Documents.

1.08 PERMITS AND FEES

The Contractor shall obtain all the necessary permits and pay all permit fees that are required by the Jurisdiction in conjunction with the demolition work.

1.09 MEASUREMENT AND PAYMENT

A. Demolition Work: The Contractor shall be paid the lump sum price for demolition at each site as indicated in the proposal and as approved by the Village, and the payment will be full compensation for removal of buildings, building materials, contents of buildings, appliances, trash, rubbish, basement walls, foundations, sidewalks, steps and driveways from the site; disconnection of utilities, furnishing and compaction of backfill material; finish grading of disturbed areas; seeding per the sections following; placing and removing safety fences; and removal of septic tanks and cisterns.

B. Incidental Items: The Contractor shall provide and pay for all materials, labor, tools, equipment, transportation, temporary construction charges, levies, fees, permits and other expenses necessary to complete this work according to the plans and specifications.
PART 2 - PRODUCTS -- NOT APPLICABLE

PART 3 - EXECUTION

3.01 DEMOLITION SCHEDULE

The Contractor shall be responsible for providing the Village with a minimum of 24 hours advance notification prior to beginning the execution of demolition of any structure.

3.02 SALVAGE OF DEMOLITION MATERIALS

A. No salvage will be permitted on privately owned property. Privately-owned property included for demolition under this contract will be strictly to abate a public nuisance as authorized by the property owner or as directed by the Courts. The Jurisdiction has the authority to abate the nuisance; however, the Jurisdiction does not have the right to salvage any materials. The Contractor may recycle demolition debris at a licensed or permitted recycling center, however, all other debris must be disposed of at a licensed or permitted disposal facility.

3.03 DEMOLITION AND REMOVALS

A. Structural Parts of Buildings

1. No wall or part thereof shall be permitted to fall outwardly from any building except through chutes or by other controlled means or methods, which will ensure safety and minimize dust, noise and other nuisance.

2. Subject to site restrictions, outside chimneys or outside portions of chimneys shall be raised in advance of general demolition of each building. Any portion of a chimney inside a building shall be razed as soon as it becomes unsupported by reason of removal of other parts of the building.

3. Any part of a building, whether structural, collateral, or accessory, which has become unstable through removal of other parts, shall be removed as soon as practicable and no such unstable part shall be left free-standing or inadequately braced against all reasonably possible causes of collapse at the end of any day’s work.

B. Basements and Foundation Walls: All basement floors, footings, and foundations shall be completely removed from the site unless specifically stated in the special provisions. The basement area is to be inspected and approved by the Village representative before backfilling is started. The Contractor shall ensure that no basement excavation will remain open and exposed for more than 24 hours. The Contractor shall contact the Village representative when removal is complete to schedule this basement inspection. Failure to do so may result in re-excavation of the basement area at the Contractor’s expense.

C. Concrete Slabs: The Contractor shall remove all concrete slabs, asphalt, surface obstructions, masonry slabs and appurtenances.

D. Retaining Walls: Retaining walls or curbs near the perimeter of parcels shall be removed unless otherwise indicated in the Contract Documents. The Contractor shall employ hand labor or other suitable tools and equipment necessary to complete the work without damage to adjacent public or private property. Where such retaining walls or curbs are removed, the embankment shall be graded to a slope of not greater than 1:1 horizontal vertical or as directed by the Village representative. The cost of any tree or brush removal due to the removal and grading out of the retaining wall shall be considered incidental and shall be included in the lump sum bid for demolition.
E. Fences: Fences, guardrails, bumpers, signs, clotheslines, and similar facilities shall be completely removed from the site, except fences on the apparent boundary between a contract parcel and an improved non-contract parcel shall not be removed unless specifically stated in the special provisions. All posts for support shall be pulled out or dug up so as to be entirely removed.

F. Partially Buried Objects: All piping, posts, reinforcing bars, anchor bolts, railings and all other partly buried objects protruding from the ground shall be removed. The remaining void shall be filled with soil and compacted in accordance with these specifications.

G. Vegetation: The Contractor shall remove all dead trees, trees identified for removal, stumps, all trees which are not an asset to the property, bushes, vegetation, brush and weeds, whether standing or fallen, unless specifically stated otherwise by the Village representative. The Contractor shall protect all trees not removed from damage by the demolition operation. In the event that the Contractor damages a tree, it shall be repaired or removed by the Contractor as directed by the Village representative.

H. Fuel Tanks: Fuel tanks, above or below ground, shall be carefully removed and disposed of in a safe manner in accordance with the State Fire Marshal's regulations and those of the Illinois Department of Natural Resources.

1. Fuel tanks, above or below the ground, or tanks which have been used for storage of gasoline, kerosene, benzene, oils or similar volatile material shall be carefully removed and disposed of in a safe manner. The time, place and manner of disposal will be as set forth in the Contract Documents.

2. All other tanks or receptacles shall be pumped out or emptied in a safe manner, and then shall be flushed out immediately with water, carbon dioxide or nitrogen gas until they are gas-free when checked with a “Explosimeter” or another equally efficient instrument, before the work of removal is begun. Checking with the “Explosimeter” shall be done in the presence of the Village representative by competent personnel.

I. Outdoor Toilets and Septic Tanks: Outdoor toilets and septic tanks shall be pumped out by a licensed company. The toilet building or septic tank shall be demolished and removed from the site. The excavation of pit shall be backfilled and compacted in accordance with these specifications. Septic tanks shall be broken up and removed from the site and the excavation filled in accordance with the requirements of the Jurisdiction.

J. Cisterns and Meter Pits: Cisterns and meter pits shall be demolished and removed. The excavations shall be backfilled and compacted in accordance with these specifications.

3.04 WELL PLUGGING AND ABANDONMENT

All wells shall be plugged and abandoned in accordance with the Illinois Department of Natural Resources and Illinois Department of Public Health Codes. An Illinois Department of Natural Resources, Abandoned Well Well-Plugging Record shall be filed upon completion of the well abandonment.

3.05 DISPOSAL OF DEMOLITION DEBRIS AND SOLID WASTE

A. Debris: All materials, rubbish, and trash shall be removed from the demolition area leaving the basements and demolition area free of debris. Any cost incurred by the Jurisdiction in cleaning up such materials and debris left behind shall be deducted from funds due the Contractor under this contract.

B. Tires: The Contractor shall visit the site to determine the number of tires that have been abandoned on site. If any additional tires are found on site prior to commencing demolition activity, the Contractor
shall immediately notify the Village representative of the quantity of additional tires found on site so a change order can be prepared for additional removal.

C. Disposal of Demolition Debris and Solid Waste: All debris and solid waste shall be delivered by the Contractor to the Jurisdiction-designated disposal facilities, or to an approved disposal facility licensed in accordance with state and/or local regulations, laws, and zoning. The Contractor shall be responsible to pay all fees for waste disposal. The Contractor shall submit to the Village representative copies of all disposal tickets for each structure demolished, where available, which identify the specific address of the origin of the debris associated with each ticket. The cost of all disposal fees shall be considered incidental to the demolition.

D. Hazardous Materials: The potential exists for hazardous materials to be present at the project locations. It is the Contractor’s responsibility to perform, or cause to be performed, a complete survey and assessment of the project properties. The survey shall include identifying the presence of lead, ACM’s, molds, or other hazardous materials. The survey shall include approximate quantities of the various materials requiring special handling. A copy of the survey and assessment shall be included with the contractor’s bid.

E. Asbestos Abatement: The handling of asbestos-containing material (ACM) is subject to all applicable state and federal mandates. Asbestos removal is not required on privately owned property that may be included in this work as part of a public nuisance abatement court order; however, the Contractor shall comply with applicable regulations regarding its handling and disposal. Asbestos will be removed by a licensed abatement contractor by a separate contract or in accordance with special provisions on Jurisdiction-owned properties. In the event that asbestos is discovered on a Jurisdiction-owned property during demolition, the Contractor shall notify the Village representative and the asbestos shall be removed by a licensed abatement contractor by contract or in accordance with the special provisions.

F. Demolition of Structures with Transite Siding: Privately owned properties containing Transite siding shall be listed in the Contract Documents, and all demolition debris from these structures shall be disposed of at an approved landfill. The Contractor shall be responsible for notifying said landfill prior to commencing demolition on these structures to allow for authorization to dispose of material at the landfill. The Contractor shall assume responsibility for the landfill fees for disposing of the demolition debris. All structures with Transite siding shall be thoroughly sprayed with water during the execution of the demolition to contain airborne particles. All debris shall be thoroughly wetted prior to transporting to the landfill.

G. Freon Removal and Disposal: The handling of Freon containing appliances is subject to all applicable state and federal mandates and regulations. The Contractor shall be responsible for the identification and removal and disposal of the material in accordance with applicable regulations. All costs associated with said removal and disposal shall be considered incidental and shall be included in the lump sum bid for demolition.

H. PGB and Mercury Removal and Disposal: The handling of any fluorescent lighting fixtures and ballasts containing PGB or mercury is subject to all applicable state and federal mandates and regulations. The Contractor shall be responsible for the removal and disposal of the material in accordance with applicable regulations. All costs associated with said removal and disposal shall be considered incidental and shall be included in the lump sum bid for demolition.

3.06 BACKFILL, GRADING, AND CLEAN UP

A. Backfill: When site conditions permit, as determined by the Village representative, on-site soil shall be used as backfill material. The top 9-12 inches of topsoil shall be stripped and stockpiled on site for use as final topsoil and grading material. If adequate topsoil is not available on site, the Contractor shall bring in enough topsoil from off-site to place a minimum 4-inch cover on the entire site. Excess excavation
materials shall be removed from the site. Topsoil material shall not be permitted as deep fill material. Any borrow or fill material shall be approved by the Village representative before and during the placing of the material. All depressions on the property shall be filled, compacted, and graded to a uniform slope with adequate drainage.

B. Suitable Fill:
   a. PGE (recycled concrete, 2'-3') may be used for deep fill.
   b. On-site demolish concrete may be used for deep fill provided material is established to be free of any ACM, lead, or other hazardous materials AND is adequately demolished to allow adequate drainage.
   c. The top 6" shall be top soil suitable for seeding.

C. Compaction: All excavations shall be backfilled with acceptable material and compacted using either a Standard Demolition Compaction or Special Demolition Compaction as specified in the Contract Documents and further described as follows:

1. Demolition Compaction: If required in the Contract Documents, all excavations associated with the demolition shall be backfilled and compacted to 95% measured by modified Proctor test.

The Contractor shall notify the Village representative twenty-four hours in advance of placing any backfill or original backfill material so a soil sample can be obtained. It shall be the responsibility of the Jurisdiction or the Contractor, if so designated in the Contract Documents, to run a density test during and after the placement of the backfill material.

C. Additional Fill Material: All additional fill material shall be of equal quality to the soil adjacent to the excavation, and free of rubble or organic matter. The Contractor shall provide for a minimum depth of 8 inches of topsoil over the excavated area. There shall be no payment for additional fill material, which shall be considered incidental to the demolition bid once. Additional fill material shall be acceptable fill material that meets the requirements of Section B above.

D. Hand Labor: The Contractor shall employ hand labor where the use of power machinery is unsafe or unable to produce a finished job. Hand labor shall also be used to clean the site of any debris.

E. Grading: The site shall be graded to conform to all surrounding areas and shall be finished to have a uniform surface that shall not permit ponding of water. The Contractor shall grade and shape the site to drain; complete fine grading and final clean up as part of the lump sum price for demolition.

F. Final Cleaning Up: Before acceptance of the demolition work, the Contractor shall remove all unused material and rubbish from the site of the work, remedy any objectionable conditions the Contractor may have created on private property, and leave the right-of-way in a neat and presentable condition. The Contractor shall not make agreements that allow salvaged or unused material to remain on private property. All ground occupied by the Contractor in connection with the work shall be restored. Restoration shall include appropriate smoothing to its original condition and seeding of the area.

On demolition sites where seeding will be delayed because of the allowable seeding dates, the Contractor shall complete fine grading and shaping of the site to leave the site in a neat and presentable condition subject to the approval of the Village representative. The bid item for seeding shall include preparation of the seedbed, furnishing and installing seed, fertilizer and mulch, maintenance, and guarantee for completed seeded areas as specified in the Contract Documents.

Final cleaning up shall be subject to approval of the Village representative and in accordance with applicable regulations.
3.07 SANITARY SEWER AND WATER SERVICE DISCONNECTIONS

A. Sanitary Sewer Service Disconnection: All sanitary sewer services shall be disconnected and plugged in conformance with the requirements of the local jurisdiction.

B. Service Disconnection: All water services and stubs for the buildings or properties within the demolition work shall be disconnected in conformance with the requirements of the local jurisdiction.

C. Backfill and Compaction within Jurisdiction Right-of-Way:

1. Streets: Unless stipulated otherwise in the Contract Documents, the Contractor shall backfill, compact as specified, and patch the surface of all excavations made in streets. This cost shall be paid by the Contractor.

2. Jurisdiction Right-of-Way: All areas within the Jurisdiction right-of-way (including parking and sidewalk areas) shall be compacted in conformance with Village of Tinley Park Standards (Trench and Backfill), graded and seeded.

3.08 SEEDING

All disturbed areas associated with the work shall be seeded in accordance with the provided Section: Seeding.

3.09 SAFETY AND FENCING

A. Safety: The Contractor shall comply with all applicable current federal, state and local safety and health regulations.

B. Safety Fencing: The Contractor shall furnish and place a safety fence around the site of the work adequate to secure the demolition site, including any resulting debris or excavation, and to prevent pedestrian access. The fencing, including all materials, shall be considered incidental to the demolition. The safety fence shall remain in place until the demolished materials are removed from the site and all holes or excavated areas are backfilled. The fencing material shall remain the property of the Contractor.

3.10 AUTHORIZED WORKERS

Only the Contractor and its employees are allowed to demolish, dismantle, delach or dispose of any part of the demolition structure or its contents.

3.11 DAILY CLEAN UP OF RIGHT-OF-WAY AND PRIVATE PROPERTY

At the end of each workday, the Contractor shall clean sidewalks, streets, and private property of any debris caused by the demolition operation.

END OF SECTION

SEEDING

PART 1 - GENERAL

1.01 SECTION INCLUDES
A. Certification of Products

B. Acceptance and Warranty

C. Seed Types and Mixes

D. Equipment

E. Application of Seed

1.02 DESCRIPTION OF WORK

A. This specification includes materials, equipment, and labor requirements for the complete and satisfactory installation and maintenance for all seeding.

B. The requirements for the work on this project are familiarity with the site, scope of work of the project, and coordination of the seeding with related work.

C. Seeding includes the operations of seedbed preparation, furnishing, applying, and covering the seed, and compaction of the seedbed.

1.03 PROTECTION OF PROPERTY

A. Take precautions to ensure that equipment, vehicles, and seeding operations do not disturb or damage existing grades, walls, drives, pavement, utilities, plants, lawns, irrigation systems, or other facilities.

B. Verify locations and depths of all underground utilities prior to excavation and report conflicts with new seeding operations.

C. Have repaired and/or pruned by an experienced tree surgeon or arborist, any damage to existing trees or shrubs, including branches and root systems.

D. Repair, replace, and/or return to original condition, any damaged item, at the Contractor’s expense.

E. Meet National Pollution Discharge and Elimination System (NPDES) Phase II requirements for stormwater discharges associated with construction and post-construction activities.

1.04 SUBMITTALS

A. Submit certification of products to the Village representative prior to seed placement.

1.07 ACCEPTANCE AND WARRANTY

A. Acceptance:

1. Guarantee in writing that all work has been completed as specified and provide the date that all activities were completed. When a warranty is a separately-bid item, this also establishes the beginning of the warranty period.

2. Acceptance will occur, provided seeded areas are in a live, healthy, growing, and well-established condition without eroded areas, bare spots, weeds, undesirable grasses, disease, or insects.
a. Projects without a separately-bid warranty will be accepted no sooner than 60 days from the date that all activities were completed.

B. Warranty:

1. Required only when established as a bid item by the Village representative.

2. The warranty is to guarantee completed seeding areas for a maximum period of twelve months.

3. During the warranty period, correct and reseed as originally specified, any defects in the seeded areas and grass stand, such as wind areas, eroded areas, and bare spots, until all affected areas are accepted by the Village representative.

4. Replace or repair to original condition, all damages to property resulting from the seeding operation or from the remedying of defects, at the Contractor's expense.

5. Replacement costs are the Contractor's responsibility, except for those resulting from loss or damage due to occupancy of the property in any part, vandalism, civil disobedience, acts of neglect on the part of others, physical damage by animals, vehicles, fire, or losses due to curtailment of water by local authority, or by "Acts of God."

1.08 MEASUREMENT FOR PAYMENT

All measurements for payment will be made by the Village representative or authorized representative.

A. Conventional Seeding:

1. Seeding:

a. Seeding for a completed installation will be measured in squares, each square containing 100 square feet, or by acres, as specified, of accepted seeding within the contract or easement limits. Areas outside of construction limits or easement limits will not be measured for payment.

b. Payment for seeding will be full compensation for furnishing all materials, equipment, tools, and labor necessary to complete the work. It includes removal of rock and other debris from the area, repairing rills and washes, preparing the seedbed, furnishing and placing seed, including any treatment required, and furnishing water and other care during the care period, unless these items are bid separately.

c. Each type of seeding specified will be measured and paid for separately.

2. Fertilizing: For fertilizer furnished and placed, payment will be made at the contract unit price per acre or square as specified. Payment for fertilizing will be full compensation for furnishing all materials, equipment, tools, and labor necessary to complete the work. It includes spreading fertilizer and mixing it into the soil if specified.

3. Mulching: For mulch furnished and placed, payment will be made at the contract unit price per acre or square as specified. Payment for mulching will be full compensation for furnishing all materials, equipment, tools, and labor necessary to complete the work. It includes placing and tucking the mulch.

B. Seeding, Fertilizing, and Mulching for Hydraulic Seeding:
1. Seeding: for a completed installation will be measured in squares, each square containing 100 square feet, or by acres, as specified, of accepted seeding within the contract or easement limits. Areas outside of construction limits or easement limits will not be measured for payment.

2. Payment for seeding will be full compensation for furnishing all materials, equipment, tools, and labor necessary to complete the work. It includes removal of rock and other debris from the area, repairing rills and washes, preparing the seedbed, furnishing and placing seed, including any treatment required, furnishing and placing fertilizer and mulch, and furnishing water and other care during the care period, unless these items are bid separately.

3. Each type of seeding specified will be measured and paid for separately.

C. Seeding, Fertilizing, and Mulching for Pneumatic Seeding:

1. Seeding: for a completed installation will be measured in squares, each square containing 100 square feet, or by acres, as specified, of accepted seeding within the contract or easement limits. Areas outside of construction limits or easement limits will not be measured for payment.

2. Payment for seeding will be full compensation for furnishing all materials, equipment, tools, and labor necessary to complete the work. It includes removal of rock and other debris from the area, repairing rills and washes, preparing the seedbed, furnishing and placing seed, including any treatment required, furnishing and placing fertilizer and mulch, and furnishing water and other care during the care period, unless these items are bid separately.

3. Each type of seeding specified will be measured and paid for separately.

D. Watering: When bid separately, watering will be measured by metering. If not available, measurement can be done by counting the loads from a transporting tank of known volume. Payment will be at the contract unit price per 1,000 gallons.

E. Warranty: Warranty for seeding will be based on lump sum. Lump sum items will not be measured.

F. Incidental Items: Items not listed as specific bid items or negotiated items will not be measured.

PART 2 – PRODUCTS

2.01 SEED

This section includes both temporary and permanent seeding.

A. Seed Quality: Ensure the seed provided meets or exceeds the minimum requirements of purity and germination stated on the analysis document that specifies quality. Approval of all seed for use will be based on the cumulative total of Percent Live Seed (PLS) for each phase of work. PLS is obtained by multiplying purity times germination. PLS shall not be less than the accumulated total of the PLS specified. If the purity and/or germination of native grasses exceeds the minimum required, adjust the application rate based on PLS.

If the seed does not comply with minimum requirements for purity and germination and such seed cannot be obtained, the Village representative may approve use of the seed on a basis of PLS or may authorize a suitable substitution for the seed specified.

B. Requirements on Containers:
1. Seed: Provide seed with a tag on each container. The seed analysis on the label shall be mechanically printed.

2. Mulch: When packaged, provide mulch in new labeled containers.

3. Tackifier: Provide tackifier packaged in new labeled containers.

4. Sticking Agent: Use a commercial sticking agent recommended by the manufacturer of the inoculant. For quantities less than 50 pounds, the sticking agent need not be a commercial agent, but requires approval by the Village representative. Apply sticking agent separately prior to application of inoculant. Follow safety procedures specified on the product label.

2.02 SEED MIXTURES

See the contract documents for the specified seed mixture. If none is specified, use the following. The Contractor may submit a modification of the mixture for the Village representative’s consideration.

A. Type 1 (Permanent Lawn Mixture): Used for residential and commercial turf site, fertilized, typically mowed.

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Application Rate (lb/1000 s.f.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kentucky bluegrass blend</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Kentucky bluegrass/perennial ryegrass mix (80:20)</td>
<td>3 to 4</td>
</tr>
<tr>
<td>Kentucky bluegrass/fine fescue mix (50:50)</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Tall fescue blend</td>
<td>6 to 9</td>
</tr>
</tbody>
</table>

2.03 FERTILIZER

Use fertilizer of the grade, type, and form specified, that complies with the following requirements:

A. Grade: Identify the grade of fertilizer according to the percent nitrogen (N), percent of available phosphoric acid (P₂O₅), and percent water soluble potassium (K₂O), in that order, and base approval on that identification.

The Contractor may substitute other fertilizer containing analysis percentages different from those specified, provided that the minimum amounts of actual nitrogen, phosphate, and potash per acre are supplied, and that in no case does the total amount per acre of the three fertilizer elements be exceeded by 30% of the following minimum amounts:

1. For Conventional Seeding, Permanent: Apply a 13-13-13 commercial fertilizer or the equivalent units of nitrogen, phosphorus, and potash at the rate of 450 pounds per acre.
2. For Conventional Seeding: Apply commercial fertilizer to all seeded areas at the rate of 450 pounds per acre of 13-13-13 (or equivalent) unless otherwise specified in the contract documents.

3. For Hydraulic Seeding: Apply fertilizer in combination with seeding by a hydraulic seeder. Apply a 13-13-13 commercial fertilizer or the equivalent units of nitrogen, phosphate, and potash at the rate of 450 pounds per acre.

4. For Pneumatic Seeding: Based on the compost nutrient analysis, supply any commercial fertilizer necessary to meet the 13-13-13 units of nitrogen, phosphate, and potash at the rate of 450 pounds per acre as the compost is applied.

B. Type: Use fertilizer that can be uniformly distributed by the application equipment. Furnish fertilizer either as separate ingredients or in chemically combined form.

2.04 STICKING AGENT

A. Use a sticking agent that is a commercial material recommended by the manufacturer to improve adhesion of inoculant to the seed. For small quantities less than 50 pounds, the sticking agent need not be a commercial agent, but it must be approved by the Village representative and must be applied separately, prior to application of inoculant.

B. Follow safety precautions specified on the product label. A sticking agent is not required if a liquid formulation of inoculant is used.

2.05 NOT USED

2.06 WATER

Use water that is free of any substance harmful to seed germination or plant growth.

2.07 MULCH

A. For Conventional Seeding:

1. Material used as mulch may consist of the following:
   a. Dry cereal straw (oats, wheat, barley, or rye)
   b. Prairie hay
   c. Wood excelsior composed of wood fibers, at least 6 inches long, based on an average of 100 fibers, and approximately 0.024 inch thick and 0.031 inch wide. The fibers must be cut from green wood and be reasonably free of seeds or other viable plant material.

2. Do not use other hay (brome grass, timothy, orchard grass, alfalfa, or clover).

3. All material used as mulch must be free from all noxious weed, seed-bearing stalks, or roots and will be inspected and approved by the Village representative prior to its use.

4. The Contractor may use other materials, subject to the approval of the Village representative.

B. For Hydraulic Seeding:
1. Wood Cellulose:
   a. Use material that is a natural or cooked cellulose fiber processed from whole wood chips, or a combination of up to 50% recycled paper (by volume).
   b. Product contains a colloidal polysaccharide tackifier adhered to the fiber to prevent separation during shipment and avoid chemical co-agglomeration during mixing.
   c. Form a homogeneous slurry of material, tackifier, and water.
   d. Use a slurry that can be applied with standard hydraulic mulching equipment.
   e. Dye the slurry green to facilitate visual metering during application.
   f. Do not use materials that have growth or germination-inhibiting factors or any toxic effect on plant or animal life when combined with seed or fertilizer.

2. Bonded Fiber Matrix (BFM):
   a. Produced from long-strand wood fibers, held together by organic tackifiers and bonding agents that, when dry, become insoluble and non-dispersible.
   b. Upon curing 24-48 hours, form a continuous, 100% coverage, flexible, absorbent, erosion-resistant blanket that encourages seed germination.
   c. Manufactured to be applied hydraulically.
   d. Physical Properties:
      1) Fibers: Virgin wood, greater than 88% of total volume.
      2) Organic Material: Greater than 95% of total volume.
      3) Tackifier: 8-10%
      4) pH: 4.8 minimum
      5) Moisture Content: 12% +/- 3%.
      6) Water-Holding Capacity: 1.2 gal/lb

3. Mechanically-Bonded Fiber Matrix (MBFM):
   a. Produced from long-strand wood fibers and crimped, interlocking synthetic fibers.
   b. Within two hours of application, form a continuous, 100% coverage, flexible, absorbent, porous, erosion-resistant blanket that encourages seed germination.
   c. Manufactured to be applied hydraulically.
   d. Physical properties.
Seed only the areas shown on the plans and in the contract documents. Seed damaged areas that are disturbed outside the contract limits at the expense of the Contractor. Do not disturb areas having a satisfactory growth of desirable grasses or legumes.

3.02 FINISH GRADING AND TOPSOIL

1. Place the topsoil after all grading and trenching activities in the area have been completed.

2. Place topsoil at least 8 inches deep, smooth and finish grade according to the contract documents. If topsoil is being amended with compost, thoroughly blend compost with on-site topsoil.

3. After finish grading the topsoil, remove clods, lumps, roots, litter, other undesirable material, or stones larger than 1-inch (1/2-inch for turfgrass).

3.03 CONVENTIONAL SEEDING

A. Order of Operations:

1. Fertilizing

2. Seedbed preparation

3. Seed preparation/application

4. Mulching

B. Fertilizing:

1. Apply fertilizer immediately prior to seedbed preparation. Incorporate the fertilizer into the top 2 to 3 inches of topsoil during the seedbed preparation. Equipment that results in ruts or excessive compaction will not be permitted.

C. Seedbed Preparation, Permanent:

1. Limit preparation of seedbed to areas that will be seeded immediately upon completion.

2. Work areas accessible to field equipment to a depth of not less than 3 inches. Use mechanical rotary tillage equipment for the preparation of seedbed on earth shoulders, urban or raised medians, rest areas, and islands. Prepare by hand areas inaccessible to field machinery, to a depth of not less than 2 inches. Use care that the entire width of the shoulder and areas around headwalls, wingwalls, runnels, and other structures are prepared in the manner specified. Where weed growth has developed extensively, they may be disked into the ground. If weed growth develops sufficiently to interfere with proper seedbed preparation, mow the weeds and remove them from the project at the Contractor’s expense.

Use crawler type or dual-wheeled tractors for seedbed preparation. Operate equipment in a manner to minimize displacement of soil and disturbance of the design cross section. Narrow ridge in excess of 4 inches due to operation of tillage equipment prior to rolling with the surfacemaster. Roll the area with not less than one pass of the surfacemaster prior to permanent seeding.

3. Shape and fine grade to remove rills or gullies, water pockets, undesirable vegetation, and irregularities to provide a smooth, firm, and even surface true to grade and cross-section. Disk and rototill seedbed to a minimum 3-inch depth. For Type 1 (lawn seeding), prepare to a fine texture and without soil lumps.
Coordinate preparation of all ditches designated for special ditch control with the seedbed preparation. Till parallel to the contours.

4. For Type 1 (lawn seeding), smooth the seedbed with a cultivator-type tillage tool having a rake bar or a rock rake. Pick up and remove all debris, such as rocks, stumps, concrete larger than 2 inches [1/2 inch maximum stone size for lawn seeding], or roots and other objectionable material that will interfere with the seeding operation. A spring tooth cultivator may be used in lieu of a rock picker. Remove the rock by hand after each use of the cultivator; repeat the process until the soil is relatively free of rock as determined by the Village representative.

5. Choose equipment to minimize soil compaction. Operate equipment in a manner to minimize displacement of soil and disturbance of the design cross-section. Smooth ridging in excess of 3 inches due to operation of tillage equipment prior to rolling with the cultipacker. Roll the area with at least one pass of the cultipacker. Remove ruts that develop during the sequence of operations before subsequent operations are performed. This must be completed just prior to seeding and the work approved by the Village representative before the seeding application.

E. Seeding:

1. Seed Application, Permanent:

a. Prior to seeding, the seedbed will be inspected and approved by the Village representative. Use methods and procedures consistent with equipment manufacturer’s recommendations; however, do not operate ground-driven equipment at speeds greater than 10 mph.

b. On all areas accessible to machinery, sow seed with a gravity seeder, endgate cyclone seeder, or seed drill.

c. On areas inaccessible to field machinery, the use of hand-operated cyclone seeders will be permitted, but no other hand-seeding methods will be accepted.

d. The application of grass and legume seed with hand seeders on early spring work must be performed as separate operations. No mixing of the two types of seed will be permitted.

e. All seeded areas will have one pass with a roller or cultipacker to firm the soil.

F. Mulching:

1. Mulch all conventionally seeded areas the same day the seed is sown. Uniformly distribute the mulch over the required areas at a rate of 1.5 tons/acre for dry cereal straw, 2 tons/acre of wood excelsior, or 2 tons/acre for prairie hay. Prairie hay is not suitable for Type 1 (lawn seeding).

2. Work the mulch into the soil with a mulch tucker designed to anchor the mulch into the soil by means of dull blades or disks. Operate equipment in a manner to minimize displacement of the soil and disturbance of the design cross-section.

3.04 HYDRAULIC SEEDING

A. Order of Operations:

1. Seedbed preparation
2. Seed application, fertilizing, and mulching

B. Seed Preparation: Inoculant, in the quantities specified above, may be applied directly into the supply tank with seed, water, and after material.

C. Seed Application, Fertilizing, and Mulching:

1. Place all material, seed, fertilizer, mulch, and tackifier (if applicable) in hydraulic mulching equipment specifically manufactured for hydraulic seeding. Do not apply fertilizer with native grass, wildflower, or wetland seeding.

2. Ensure that the hydraulic equipment, pump, and application process do not damage or crack seeds.

3. Mix materials with fresh potable water using a combination of both recirculation through the equipment’s pump, and mechanical agitation to form a homogeneous slurry.

4. If necessary, dampen dry, dusty soil, to prevent balling of the material during application.

5. Apply the slurry evenly over all specified areas at component material rates specified.

a. Wood Cellulose Mulch:

1) Mulch: Minimum 2600 lb/acre dry weight.

2) Tackifier: Minimum 50 lb/acre.


c. Mechanically-Bonded Fiber Matrix: Minimum 3600 lb/acre dry weight.

6. Retain and count empty bags of mulch to ensure final application rate.

7. Hydromulching: Hydromulching may be done over conventional seeding and/or fertilizing, if approved by the Village representative.

3.05 NOT USED

3.06 WATERING

A. Provide water, equipment, transportation, water tanker, hoses, sprinklers, and labor necessary for the application of water.

B. Use enough water to keep the soil and mulch moist to a depth of 1 inch and ensure growth of the seed. For turfgrass seeding areas, sufficiently water to keep the soil moist for a minimum of 21 days. If natural rainfall is adequate to keep the soil and mulch moist, artificial watering may not be needed.

3.07 RE-SEEDING

A. When all work related to seeding, fertilizing, and/or mulching has been completed on an area, and is washed out or damaged, re-seed, fertilize, and/or mulch the area at the contract unit price(s) when so ordered by the Village representative.
B. When work related to seeding, fertilizing, and/or mulching has not been completed in an area, and is washed out or damaged, re-seed, fertilize, and/or mulch the area as necessary, at the Contractor's expense.

3.08 CLEANUP

All work related to cleanup throughout the project and upon completion is the responsibility of the Contractor, at the Contractor's expense.

A. Remove all excess materials, debris, and equipment upon completion of work.

B. Clean all paved surfaces open for public use at the end of each day and prior to forecasted precipitation.

C. Repair any damage resulting from seeding operations.

D. Remove hydraulic slurry and other excess debris related to seeding operations from buildings, landscaping, mulch, pavement, and any other areas not specified for application, at the end of each day.

END OF SECTION
The Village of Tinley Park

Questions & Answers for Demo Bid 17226 Oak Park Ave

April 27, 2017

1. Can you tell me if there are any underground septic tanks? This is listed on page 15.
   There are no “known” septic tanks on the property.

2. Where do the sewer and water disconnects have to be disconnected at?
   Sanitary can be capped off and disconnected at the parkway. If it goes into the middle of
   the street, it can be capped off at the sidewalk. Water has to be disconnected at the main.
   If it is in the street, disconnect at the “B-Box”.

3. Are we responsible for the water disconnects?
   The contractor is responsible for the disconnects.

4. Does the driveway also need to be removed?
   The driveway has to be removed.

5. Are the trees on the North side of the property to be removed?
   Yes, the trees should be removed. Please include these costs as part of the contractor’s
   bid price.

6. Should the sidewalk in front of the building remain?
   Yes, the sidewalk is to remain.

7. Is the garage on the property to be removed as part of the contract?
   Yes, the garage structure demo cost should be included in the contractor’s bid price.

8. Can you forward me questions other contractors have asked?
   The Village has received no other questions.