ST. CHARLES SINCE 1834	**AGENDA ITEM EXECUTIVE SUMMARY**	Agenda Item number: 5.e
	Title:	Recommendation to Award the Bid for On-Call Landscaping Restorations
	Presenter:	Tim Wilson

Meeting: Government Services Committee	Date: July 24, 2017	
Proposed Cost: $30,000	Budgeted Amount: $30,000	Not Budgeted: ☐

Executive Summary (*if not budgeted please explain*)**:**

The City of St. Charles Water and Wastewater Utilities are seeking a contractor to perform landscape restoration work for the FY 2017/2018. Restoration work would follow any underground utility repair made by city crews or other construction activities associate with the work of the Environmental Services Division. The work typically includes seed, sodding and black dirt restoration. All work will be contracted on a per unit basis.

The City received three bids for On-Call Landscaping Restoration on June 30, 2017. The Langton Group submitted the lowest responsible unit cost bid and meets all the requirements of the City. One bid was rejected due to the bidder not including Prevailing Wages on their bid.

The bid was based on typical types of restoration per unit cost. The Water and Wastewater Divisions spend approximately $20,000 to $30,000 annually on restoration repairs.

Attachments (*please list*)**:**

* Bid Tabulation * Bid Withdraw Pederson Company * Langton Group Bid

Recommendation/Suggested Action (*briefly explain*)**:**

Recommendation to award Unit Cost Bid to Langton Group for a one year period beginning May 1, 2017 through April 30, 2018.

Bid Tab for Environmental Services On-Call Landscaping Restoration

Bid Opening- 6/30/2017 10:00 AM

Year– 5/1/2017 – 4/30/2018

Bidders -

		Cornerstone Partners		***Langton Group***		***Pedersen Company***	
		P.O. Box 745 - St Charles, IL 60174		**Woodstook, IL 60098**		**6N543 IL Rt 25; St Charles, IL 60174**	
Item Letter	**Item Discription**	**Unit**	**Unit Price**	**Unit**	**Unit Price**	**Unit**	**Unit Price**
A	Final Shaping, Trimming and Finishing	Included in Item B		Included in Item B		Included in Item B	
B	Topsoil / Composting Furnish and Placement						
	2” Thickness	Sq. Yd.	**33.44**	Sq. Yd.	**16**	Sq. Yd.	**6**
	4” Thickness	Sq. Yd.	**66.52**	Sq. Yd.	**32**	Sq. Yd.	**8**
	6” Thickness	Sq. Yd.	**99.74**	Sq. Yd.	**48**	Sq. Yd.	**10**
C	Landscaping (Sod Placement)	Sq. Yd.	**24.83**	Sq. Yd.	**18**	Sq. Yd.	**6.5**
D	Landscaping (Seed Placement)						
	IDOT Seed Class 1	Lb.	**16.54**	Lb.	**12.5**	Lb.	**27.85**
	IDOT Seed Class 2	Lb.	**16.02**	Lb.	**10**	Lb.	**27.46**
	IDOT Seed Class 3	Lb.	**24.83**	Lb.	**29.25**	Lb.	**43.97**
	IDOT Seed Class 4	Lb.	**18.45**	Lb.	**24.38**	Lb.	**66.62**
	IDOT Seed Class 5	Lb.	**226.38**	Lb.	**715**	Lb.	**697.91**
	Fertilizer	Lb.	**13.61**	Lb.	**0.78**	Lb.	**2.5**
E	Mulch (Erosion Control)						
	Mulching	Lb.	**9.75**	Lb.	**2.14**	Lb.	**2.9**
	Erosion Control Blanket	Sq. Yd.	**23.74**	Sq. Yd.	**1.71**	Sq. Yd.	**2**
	Turf Reinforcement Mat	Sq. Yd.	**23.34**	Sq. Yd.	**3.6**	Sq. Yd.	**4.5**
G	Watering	Hr.	**127.85**	Hr.	**116**	Hr.	**110**

Note : Withdraw from Bid

Wilson, Tim

From: Estimating Pedersen <Estimating@pedersencompany.com>
Sent: Wednesday, July 05, 2017 12:50 PM
To: Wilson, Tim
Subject: St. Charles Public Bid for On Call Restoration

Hi Tim,

In light of this project being 100% prevailing wage and having taken a second look at our numbers, we do appreciate you giving us the opportunity to withdraw our bid and would like to officially do so. Please let me know if you need anything additional from us, and I greatly apologize for any inconvenience this has caused.

Thanks!
Jennifer

Jennifer Krupa, Estimator
Pedersen Company
6N543 Rte 25
St Charles Il 60174

Office 847-488-0303
Fax 847-488-0966

INVITATION TO BID

AND

SPECIFICATIONS

FOR

2017/18-Environmental Services On-Call Landscaping Restorations Bid

CITY OF ST. CHARLES

ILLINOIS

2017

SPECIFICATION # 1700602

BID OPENING: June 2, 2017

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SPECIFICATION # 170602

BID OPENING : June 2, 2017

MWS:cjb

Bids\SERVICES\En Srvs Landscapg Inst

SECTION I

NOTICE TO BIDDERS

Sealed bids will be received at the City of St. Charles Office of the Purchasing Manager, Two East Main Street, St. Charles, Illinois 60174 no later than **10:00 a.m, Friday, June 2**, 2017, for the Environmental Services On-Call Landscaping Restorations-2017/18. All bids will be opened publicly and read aloud in the Council Chambers located at Two East Main Street, St. Charles, IL 60174, at **10:00 a.m, Friday, June 2**, 2017.

St. Charles Public Works Department is seeking a contractor to perform on-call landscaping restoration to the City's throughout the duration of the 2017/2018 fiscal year. The work will be completed between May 1, 2017, and ending on April 30, 2018. All work will be contracted on a unit basis.

Bid Documents and Bid form may be obtained at no charge at the City of St. Charles website at http://www.stcharlesil.gov/bids-proposals. It is the responsibility of the contractor to frequently check the City's website for any future addendums.

Bids shall be in labeled sealed envelopes.

CITY OF ST. CHARLES
Mike Shortall
Inventory Control & Purchasing Manager

MWS:cjb

SECTION II
INFORMATION TO BIDDERS

1. **GENERAL CONDITIONS:**

A. Bids shall be submitted in a sealed envelope, inserted in a larger sealed envelope. Both envelopes shall be clearly marked with the word "Bid," and the name of the project or subject of the bid. (Sec. 2.33.200A of the St. Charles Municipal Code). The outer envelope shall be addressed "Purchasing Manager, City of St. Charles, Two East Main Street, St. Charles, IL 60174 and include the Bid Project Name." Include a return address on both envelopes. Bids received after the specified time and date will be returned unopened. Bids shall be on City of St. Charles bid form and shall be returned attached to the original specification sheets. Copies are not acceptable. **All bids submitted are binding through April 30, 2018.**

B. All bid proposals must be signed with the firm name and by an authorized officer or employee of the company. One bid per bidder is allowed.

C. The award of bids shall be made, after determination of the successful bidder by the City Council, by issuance of a City purchase order from the City of St. Charles Purchasing Manager and/or the Purchasing Manager's designee to the successful bidder.

D. The City of St. Charles reserves the right to waive minor specification deviations and reject any or all bids, and to accept the bid, which is in the opinion of the City Council, the lowest conforming bid from a responsible bidder as defined by state law and Sec. 2.33.230 of the St. Charles Municipal Code.

E. All bids must be quoted on the basis of delivery to the City's Inventory and Purchasing Division, 200 Devereaux Way in St. Charles, IL. The price shall be stated in units and bids made on each item separately. In case of conflict, the unit price shall govern. The City reserves the right to award the bid in aggregate or on individual items.

F. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful bidder.

G. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful bidder.
The City of St. Charles is exempt from paying Illinois Use Tax, Illinois Retailers Occupation Tax, Federal Excise Tax, and Municipal Retailer's Occupation Tax.

The Illinois Department of Revenue tax exempt form can be obtained through the City of St. Charles Office of Purchasing.

The winning bidder will be required to complete the requested information included on this form. It is the purpose of this document to allow the winning bidder to purchase items for the bid project, tax free. It is the intent that the contractor will include the savings into the bid or quote.

Contractors will be responsible for utilizing this tax exempt form in a legal and responsible way. The contractor must sign a certification that the tax exempt form will be solely used for the purpose stated above. Abuse of the City's tax exempt status to avoid sales tax liability on other contractor purchases shall not be tolerated and may disqualify the contractor from being awarded future City contracts or business.

H. If applicable, material is to be delivered on a flatbed trailer and ready to be unloaded from the side of the trailer without driving a forklift onto the trailer. Advance notice of 48 hours is required by calling 630-377-4421. Deliveries can be made to the City between the hours of 7:00 a.m. - noon and 12:30 p.m. - 3:30 p.m.

I. Each bidder shall make an accurate statement in the proposal of the smallest number of calendar days in which delivery can be made after placement of the order.

J. Any firm bidding this/these unit(s) must have a full service shop which includes parts and service mechanics capable of making any adjustments or repairs as may be required. The firm must also have service truck capabilities.

K. Materials will be paid within 30 days of receipt/acceptance of same and receipt of invoice, or if a discount is allowed and is advantageous to the City, within five (5) days of receipt/acceptance of same and receipt of the invoice. Bids will be evaluated on both thirty (30) day and discount pricing.

REQUIRED_____ **NOT REQUIRED**__**X**_____

L. Travel time (incl. on-site repairs and/or pick up and delivery) is included within the labor or service warranty.

REQUIRED_____ **NOT REQUIRED**__**X**_____

2. **MATERIALS**:
Only new, unused, first quality material and/or equipment shall be offered by the bidder.

3. **BID RESULTS:**
Bid results will be available on the City's website, www.stcharlesil.gov, once they are tabulated or approved. In the alternative, the bidder may supply a self-addressed, stamped envelope for obtaining bid results. **NO** bid results will be given by telephone.

4. **ADDENDUM**
Any interpretation of the specifications or other changes will be made available on the City's web page under the "Bid & Proposals" page. It is the responsibility of the bidder to check periodically with the web page on updates and addendums.

5. **BID DEPOSIT**
A 10% bid deposit (certified check, cashier's check, or bank draft) or bid bond **is** required to accompany this bid. Failure to do so will eliminate the bid.

REQUIRED_____ **NOT REQUIRED**__X_____

6. **PERFORMANCE & PAYMENT BONDS**

A performance bond in the amount of 100% of the bid submitted **is** required within ten (10) calendar days of acceptance of the bidder's proposal by the City.

The performance bond of the successful bidder shall have a minimum "A" rating as defined in Best's Key Rating Guide, be conditioned on the faithful performance of the requirements of the contract, and shall have as surety a corporate surety authorized to act as such in Illinois. The performance and payment bonds shall cover payment for all labor and material, and insure completion of the project. The bidder will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying him or her or them with labor or materials in the prosecution of the work provided for in the contract; and shall guarantee to indemnify and save the City and its officers and employees harmless from all costs, damages, and expenses arising out of or by reason of the bidder's failure to comply and perform the work and complete the contract in accordance with the specifications.

The performance and payment bonds shall be in conformance with the requirements of the Illinois Act in relation to bonds of bidders entering into contracts for public construction. (Illinois Compiled Statutes Ch. 30, Sec. 550/1, et seq.)

REQUIRED_____ **NOT REQUIRED** X_____

7. **GENERAL GUARANTY**

The bidder agrees to (a) hold the City, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented, invention, article, or appliance furnished or used in the performance of the contract in which the bidder is not the patentee, assignee, licensee, or owner; (b) protect the City against latent defective material or workmanship and to repair or replace any damages or marring occurring in transit or delivery; (c) pay for all permits, licenses, and fees and give all notices and comply with all laws, ordinances, and rules of the City and State of Illinois; (d) indemnify City against all claims for personal injury, death, and/or property damage arising out of the project.

8. **ASSIGNMENT**

Assignment of this contract or any part thereof, or any funds to be received thereunder by the bidder shall be subject to the approval of the City of St. Charles.

9. **DEFAULT**

The contract may be cancelled or annulled by the Purchasing Manager in whole or in part by written or electronic (Email) notice of default to the bidder upon nonperformance or violation of contract terms. An award may be made to the next lowest bidder, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting bidder (or his surety) shall be liable to the City for costs to the City in excess of the defaulted contract prices. The bidder shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the bidder to deliver materials or services within the time stipulated on his or her bid, unless extended in writing by the purchasing manager, shall constitute contract default.

10. **INSURANCE**

Detailed insurance requirements are included under City of St. Charles Certificate of Insurance Requirements.

The bidder **shall** secure and maintain in effect at all times, at his or her expense, insurance of the following kinds and limits to cover all locations of the bidder's operations in connection with work on his or her company's projects, naming the City of St. Charles as an additional insured. The bidder shall furnish Certificates of Insurance to the City Finance Department Purchasing Office before starting construction or within 10 days after the execution of the contract, whichever date is reached first. All insurance policies shall include a non-cancellation clause provision preventing cancellation without 30 days written prior notice to the City. In case of insurance cancellation, bidder shall obtain a new insurance policy in compliance with this paragraph prior to the effective date of cancellation.

Certificates of insurance must be completed on the ACORD 25-S form, with the cancellation clause revised and revisions initialed. An example is enclosed.

REQUIRED__X_____ NOT REQUIRED_____

For this **specific** project, the City of St. Charles is requiring a liability umbrella of $ 5,000,000 (aggregate for this project).

REQUIRED__X_____ NOT REQUIRED_____

11. **CERTIFICATE OF COMPLIANCE**
All bidders are required to complete the Certificate of Compliance (attached) as per the Illinois Compiled Statutes Ch. 65, Sec. 11-42.1-1, which will be returned with the bid.

12. **HEALTH AND SAFETY ACT**
All work under this contract shall comply with the Occupational Safety and Health Act (OSHA) of 1975, and all other federal, state or local statutes, rules or regulations affecting the work done under the contract.

13. **PREVAILING WAGE RATE**

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at http://labor.illinois.gov/. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice and record keeping duties.

The successful bidder and each subcontractor shall submit monthly, in person, by mail, or electronically, a certified payroll to the City of St. Charles. The certified payroll shall consist of records of all laborers, mechanics, and other workers employed by them on the project. The records shall include each worker's name, address, telephone number (when available), the last four digits of the worker's social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed by the bidder or subcontractor which avers that:

A. Such records are true and accurate;

B. The hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and

C. The bidder or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B misdemeanor.

The City of St. Charles is required to keep the certification records submitted for a period of not less than five years. Furthermore, these records, except an employee's address, telephone number, and social security number, shall be made available in accordance with the Freedom of Information Act.

14. **EXECUTION OF CONTRACT, INSURANCE, & PERFORMANCE & PAYMENT BONDS**

The successful bidder, within ten (10) business days after acceptance of the bidder's offer by the City, shall execute all requested contract documents, supply satisfactory evidence of required insurance, and furnish a satisfactory performance and payment bonds when required by the bid documents. In the event that the bidder fails to furnish required documents, insurance, and performance and payment bonds within ten (10) business days after acceptance of the bidder's offer by the City, then the City's acceptance of the offer shall automatically terminate, and the bid deposit of the bidder shall be retained by the City as reimbursement for administrative costs.

15. **RELEASE OF BID DEPOSITS**

Within a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has executed the contract documents and furnished evidence of the insurance and bonds required by the bid documents.

16. **EQUAL OPPORTUNITY EMPLOYER**

The City of St. Charles is an equal opportunity employer, and all bidders are required to be equal opportunity bidders as defined by all applicable state and federal laws and regulations.

17. **VETERANS PREFERENCE**

The City of St. Charles, per Illinois Compiled Statutes Ch. 330, par. 55/1-55/3, gives preference to veterans for public works contracts, should a tie bid arise between local OR non-local bidders.

18. **CERTIFICATE OF NON-DISQUALIFICATION**

All bidders are required to submit a completed Certificate of Non-Disqualification (attached), as required under Illinois Compiled Statutes, Ch. 720, Sec. 33 E-11.

19. **PROVISIONS OF ST. CHARLES MUNICIPAL CODE**
All bids and contracts shall be in accordance with Title 2, Ch. 2.33 of the City of St. Charles Illinois Municipal code, as from time to time amended, which shall take precedence over and control all aspects of this contract, and which are incorporated herein by reference.

20. **SURVIVAL**
The provisions hereof shall survive and shall not merge with the resulting purchase order or contract awarded to the successful bidder, but shall be additional terms thereof; and the submission of a bid shall be deemed as acceptance of these terms.

21. **CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS**
All bidders are required to submit a completed Certificate of Compliance with Safety Standards (attached).

22. **CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257 OF THE ILLINOIS HUMAN RIGHTS ACT**
All bidders are required to submit a completed Certificate of Compliance with Public Act 87-1257 of the Illinois Human Rights Act (attached).

23. **WAIVERS OF MECHANICS LIEN**
A. With each application for payment, submit waivers of mechanics liens from the bidder, subcontractors, and suppliers for the construction period covered by the current application. Payment will not be released until the bidder has supplied the City with the waiver of liens.
    1. Submit partial waivers on each item for the amount requested, prior to deduction for retainage, on each item.
    2. When an application shows completion of an item, submit final or full waivers.
    3. The City reserves the right to designate which entries involved in the work must submit waivers.
    4. Waiver Delays: submit each application for payment with the bidder's waiver of mechanics lien for the period of construction covered by the application.

A. Initial application for payment: administrative actions and submittals, that must precede or coincide with submittal of the first application for payment, include the following:
    1. List of subcontractors.
    2. List of principal suppliers and fabricators.
    3. Schedule of values.

REQUIRED_____ **NOT REQUIRED**__X_____

JH/cb

CERTIFICATE OF COMPLIANCE OF
ILLINOIS COMPILED STATUTES, CH. 65, SEC. 11-42.1-1

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Langton Group _____(bidder) 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 Ch. 65, Sec. 11-42.1-1, Illinois Compiled Statutes.

Langton Group
Name of Bidder

By: _____

State of Illinois),
ss.
County of McHenry)

Subscribed and sworn to
before me this 1st day
of June, 2017.

Brenda Portalski
Notary Public

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

CERTIFICATE OF NON-DISQUALIFICATION
UNDER ILLINOIS COMPILED STATUTES, CH. 720, SEC. 33E-11

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Langton Group _____ (bidder) is not barred from contracting with any unit of State or local government, as a result of a violation of Ch. 720, Sec. 33E-11 of the Illinois Compiled Statutes.

Langton Group
Name of Bidder

By: _____

State of Illinois),
ss.
County of McHenry)

Subscribed and sworn to before me this 1st day of June, 2017.

Brenda Portalski
Notary Public

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

NOTE TO BIDDER: Anyone who makes a false statement, material to this Certification, commits a Class 3 Felony under Illinois Compiled Statutes, Ch. 720, Sec. 33E-11 (b).

CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Langton Group _____(bidder) shall comply with all local, state and federal safety standards.

Langton Group
Name of Bidder

By: _____

State of Illinois,
County of McHenry) ss.

Subscribed and sworn to before me this 1st day of June, 2017.

Brenda Portalski
Notary Public

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257
OF THE ILLINOIS HUMAN RIGHTS ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Langlas Group _____ (bidder) complies with the Illinois Human Rights Act as amended by Section 2-105, Public Act 87-1257 in relation to employment and human rights.

Langlas Group
Name of Bidder

By: _____

State of Illinois),
ss.
County of McHenry

Subscribed and sworn to
before me this 1st day
of June, 2017.

Brenda Portalski
Notary Public

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

CERTIFICATE OF COMPLIANCE WITH PREVAILING WAGE RATE ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that all work under this contract shall comply with the Illinois Prevailing Wage Act, 820 ILCS 130/.01, et. seq, (the "Act") and current City ordinance, to the extent required by law. Contractors shall submit monthly certified payroll records to the City.

Langley Group
Name of Contractor

By: _____

State of Illinois,
County of McHenry) ss.

Subscribed and sworn to
before me this 1st day
of June, 2017.

Brenda Portalski
Notary Public

/cjb
Bidders Section II

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

CERTIFICATE OF COMPLIANCE WITH SALES TAX FORM

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Langley Group _____(bidder) shall comply with General Conditions, Paragraph 1.G. and the Illinois Department of Revenue tax exempt form.

Langley Group
Name of Bidder

By: _____

State of Illinois),
ss.
County of McHenry)

Subscribed and sworn to
before me this 1st day
of June, 2017.

Brenda Portalski
Notary Public

OFFICIAL SEAL
BRENDA L PORTALSKI
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:12/04/17

JH:cb
Bidders Section II

Illinois Department of Revenue
Office of Local Government Services
Sales Tax Exemption Section, 3-520
101 W. Jefferson Street
Springfield, IL 62702
217 782-8881

January 2, 2015

CITY OF ST CHARLES
DIRECTOR OF FINANCE
TWO EAST MAIN ST
ST CHARLES IL 60174

Effective January 1, 2015, we have renewed your governmental exemption from payment of the Retailers Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

We have issued the following new tax exemption identification number:

E9996-0680-07
to
CITY OF ST CHARLES
of
ST CHARLES, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services
Illinois Department of Revenue

Issued To: _____

Company: Langton Group

Date Issued: 6-1-2017

Project: _____

Dates Valid: _____

Christopher A. Minick, Director of Finance

STS-70 (R-2/98)
IL*492-3524
10-0001268

City of St. Charles
Certificate of Insurance Requirements

Contractors shall carry all insurance coverage required by law. In addition, the Contractor shall carry, at its own expense, at least the following insurance coverage with a duly licensed and registered insurance company in the State of Illinois having a minimum A.M. Best rating of A-VI:

(a) Workers' Compensation & Occupational Diseases Insurance – Statutory amount for Illinois

(b) General Liability Insurance:

1) Bodily injury, with limits of not less than $1,000,000 each occurrence/
$2,000,000 aggregate;

2) Property damage, with limits of not less than $1,000,000 each occurrence/
$2,000,000 aggregate;

3) Contractual insurance – broad form, with limits of not less than $1,000,000
each occurrence/$2,000,000 aggregate.

(c) Automotive Liability Insurance:

1) $1,000,000 each occurrence/
$2,000,000 aggregate;

2) Property damage, with limits of not less than $1,000,000 each occurrence/
$2,000,000 aggregate. Property damage insurance coverage shall include non-owned, hired, leased, or rented vehicles, as well as owned vehicles.

(d) Umbrella liability $5,000,000.

(e) Contractor's insurance policy shall name City as an additional insured on the General Liability, Automotive Liability and Excess Liability insurance policies. The insurance coverage shall be written with insurance companies acceptable to City. All insurance premiums shall be paid without cost to City. The Contractor shall furnish to City a Certificate of Insurance attesting to the respective insurance coverage for the full contract term. Contractor shall submit satisfactory proof of insurance simultaneously with the execution of the contract.

(f) All insurance policies shall provide that the City shall receive written notice of cancellation or reduction in coverage of any insurance policy thirty (30) days to the effective date of cancellation.

Environmental Services On-Call Landscaping Restorations

St. Charles Public Works Department is seeking a contractor to perform on-call landscaping restoration to the City's throughout the duration of the 2017/2018 fiscal year. The work will be completed between May 1, 2017, and ending on April 30, 2018. All work will be contracted on a unit basis.

Bids for Landscaping Services, as described in the accompanying technical scope, shall be received before **10:00 a.m, Friday, June 2, 2017,** at the City of St. Charles City Hall, 2 East Main Street, St. Charles, IL 60174, Council Chambers, Attention: Purchasing Manager. Proposals will be read aloud at this time. Any proposal received subsequent to the time specified will be promptly returned to the Contractor unopened.

Proposals shall be in a sealed envelope labeled with "Sealed Bid – On-Call Landscaping Services."

Any questions shall be submitted to Tim Wilson via e-mail to the following e-mail addresses:

twilson@stcharlesil.gov

Upon receipt of questions prior to **May 26, 2017**, the Contractor shall receive a reply e-mail acknowledging the receipt of the question. Response to the question shall be as soon as practical. Should the question result in a clarification that requires addenda, such addenda will be issued via website update as soon as practical.

Questions submitted after 3:00 p.m., **May 26,** 2017, shall not be acknowledged or answered. Contractors shall take all necessary steps to propose questions prior to **May 26**.

City reserves the right to extend the due date. Should an extension be necessary, communication of such shall be e-mailed to all registered Contractors.

I. **Scope:** The work shall be performed throughout the City. In areas identified by city staff, and assigned to the landscaping contractor on work order basis. All work performed shall be in compliance with the IDOT design and inspection an excerpt of which is provided herein these specifications. Once the contractor has been notified with a work request from the City; the contractor will be require to responded to the city within five business days with an expected completion schedule.

A. Final Shaping, Trimming, and Finishing:

The Contractor will be required to remove any excess material onsite to properly install top soil, seed, sodding and maintain proper property drainage. Removed materials can be dumped at the City public works yard with proper coordination

with City staff. Limits of removal of soils are detailed in Topsoil and Composting Section. Final Shaping, Trimming and Finishing shall follow IDOT Specification 212, basis of payment all cost should be included in Topsoil and Composting.

B. *Topsoil/Compost Furnish and Placement:*

The Contractor will be required to supply all top soil materials. Installation will be required to follow IDOT specifications 211. The contractor will be limited a standard two foot boundary around the disturbed area for proper blending of ground elevation. If it is determined by the contractor additional removal is required to maintain proper property drainage, future maintenance and appearance. The contractor will be responsible for receiving city approvals prior to additional removal. Basis of payment will be thickness specified and per square yard.

C. *Landscaping (Sod Placement):*

The Contractor will establish a finish grade in the area, top-dress with topsoil, cut-in edges to match existing grade for sod placement. Fertilize application and sod installation will follow IDOT Specification 252 and basis of payment will be per square yard.

D. *Landscaping (Seed Placement):*

The Contractor will prepare the seed bed, fertilize, place, select seed and other material required. Seed placement will follow IDOT Specification 250 and basis of payment will be per pound for both seed and fertilizer

E. *Mulch (Erosion Control):*

The Contractor will be required to provide erosion control when applying seed. Erosion Control Blanket and/or Turf Reinforcement Mat will be required on all seeding applications. Mulching application will be allowed for small spot repairs. Proper placement and use will follow IDOT Specification 280 and basis of payment for blankets and turf reinforcement will be per square yard. Mulching application basis of payment will be per pounds.

F. *Additional Landscaping:*

Some restorations sites will require addition tree, annual and bulb plantings. These costs are site specific and will not be a requirement of this bid. The contractor will provide the city with an additional cost estimate for these plantings per site. Included in the additional pricing the contractor will include labor and material cost for the site additions.

G. *Watering:*

Watering will typical be required by the property owner or the City. But the contractor may be asked to provide some supplemental watering. The basis of payment will be an hourly rate. All water would be pulled from a city supply.

H. Labor, Equipment and Administration:

The contractor will include all cost of labor, equipment and administration in the unit prices provided above.

II. **General Conditions:** Contractor should have experience and provide three references with restoration landscaping work. The work schedule shall be coordinated by the City and the successful bidder. All work shall be completed an invoiced by April 30 of each contract year.

The Contractor may not start work before 7:00 AM weekdays, and must be completed for the day by 5:00 PM weekdays. Additional hours must be approved 24-hours in advance to coordinate inspection. Note that the contractor may be restricted with respect to work hours each day depending on special events in the area and weather. Weekend hours must be approved by the City in advanced, and generally will not be permitted.

Once the work starts on a site, the City expects within reason the work to proceed without delay to completion.

The Contractor shall provide a Safety Officer contact for the City Inspector to address any safety related concerns that arise on the job. The Safety Officer shall have the ability to respond and address the concern in a timely fashion.

The City Public Works facility, upon request, can be used for a job show up location. Utility trucks and private cars can be parked within our fenced in yard. The City reserves the right to revoke this privilege. The yard is open weekdays from 6:00 AM to 5:00 PM and is locked at all other times.

Contractor is required to abide by the Illinois Prevailing Wage Act and must submit certified payroll records with all pay requests. Pay request without certified payroll will not be processed by the City Accounts Payable Dept.

III. Technical Specifications & Requirements

A: Design Requirements: *Illinois Department of Transportation; Standard Specification for Road and Bridge Construction Adopted April 1, 2016*

1. IDOT Standard Section 212 – Final Shaping, Trimming, and Finishing
2. IDOT Standard Section 211 – Topsoil and Compost
3. IDOT Standard Section 252 – Sodding
4. IDOT Standard Section 250 – Seeding
5. IDOT Standard Section 251 – Mulching

B: Materials: *All Materials must meet listed standards in Section A Design requirement.*

IV. **Traffic Control**: The Contractor is responsible for all traffic control and protection. Work in Right-of-Way requires traffic control and protection measures that meet IDOT standards for such. A City inspector will be making spot checks and any deficiencies must be addressed immediately. The City will secure an IDOT permit for any work on state roadways; however, the Contractor is responsible for reviewing the jobsite and quantifying the need for flaggers.

V. **Customer Service & Private Property:** Respect for resident and business property is very important. Where specialized equipment could be utilized to minimize private property damage, Contractor should consider such. Contractor shall make the City aware of any work on private property that may damage trees, landscaping, fences, sheds, or other property prior to starting work. Any abnormal damage, as deemed by the City Inspector, shall be the responsibility of the Contractor, without any additional payment by the City. The amount of forecast damage identified by the Contractor and communicated to/approved by the City, requiring advanced restoration, shall be added to the evaluated price. To the extent that private property damage can be minimized, it is in the Contractor's best interest. Any driveways or sidewalks in the construction zone should be photographed by the Contractor prior to work starting to defend against resident claims that Contractor work cracked or damaged such. Contractor shall be responsible for defending and satisfying any claims for driveway or sidewalk damage. Pending resident claims against the Contractor could delay final invoice processing.

SECTION 211. TOPSOIL AND COMPOST

211.01 Description. This work shall consist of furnishing, excavating, and placing topsoil, special types of topsoil, or compost.

211.02 Materials. Materials shall be according to the following.

	Item	Article/Section
(a)	Topsoil (Furnished from outside of the R.O.W.)	1081.05(a)
(b)	Compost	1081.05(b)

CONSTRUCTION REQUIREMENTS

211.03 Furnishing and Excavating Topsoil. Topsoil shall be obtained from within the limits of the right-of-way at the locations and to the depths designated on the plans or approved by the Engineer. This topsoil shall be stockpiled at locations approved by the Engineer. When special types of topsoil are specified, each type shall be handled separately and not allowed to mix with any other material. When special types of topsoil (Hydric, Prairie or Woodland) are specified, the seeds and plants within the excavated special topsoils are desirable to maintain. To keep these seeds and plants viable, the topsoil shall be excavated then placed as directed by the Engineer or as specified in the contract. If stockpiling cannot be avoided, special measures, such as watering the stockpile and planting a cover crop on the stockpile will be required as directed by the Engineer.

If additional topsoil is required to complete the contract to the lines, grades and the minimum thickness shown on the plans, the Contractor shall furnish any additional topsoil from areas outside the limits of the right-of-way. This additional topsoil obtained from outside the right-of-way shall be approved by the Engineer prior to its use.

In lieu of furnishing additional topsoil from areas outside the limits of the right-of-way, the Contractor may request permission to obtain the additional topsoil from areas within the limits of the right-of-way other than those shown on the plans.

211.04 Placing Topsoil and Compost. Topsoil shall not be placed until the area to be covered has been shaped, trimmed, and finished according to Section 212. All irregularities or depressions in the surface due to weathering or other causes shall be filled or smoothed out before the topsoil is placed. If the existing surface has become hardened or crusted, it shall be disked or raked or otherwise broken up so as to provide a bond with the lift of topsoil to be applied.

When compost is specified, it shall be placed at the specified depth on top of the topsoil. The Engineer will verify that the proper topsoil and compost depths have been applied. After verification of proper depth, the Contractor shall completely incorporate the compost into the topsoil by disking or tilling.

211.05 Finishing. The surface of the topsoil or compost/topsoil blend shall be free from clods, stones, sticks and debris and shall be according to the lines, grades

and the minimum thickness shown on the plans. If required by the Engineer, one rolling of the entire surface shall be made.

211.06 Clearing Area and Disposal of Surplus Material. Upon completion of the work, all areas shall be cleared of equipment, debris, and excess material. Surplus or waste material resulting from construction operations shall be disposed of according to Article 202.03.

211.07 Method of Measurement. This work will be measured for payment as follows.

(a) Contract Quantities. The requirements for the use of contract quantities shall conform to Article 202.07(a).

(b) Measured Quantities. Material excavated in excess of that required for the contract will not be measured for payment.

Topsoil excavation and placement shall be that material obtained from within the limits of the right-of-way and will be measured in cubic yards (cubic meters) in its original position. The volume will be computed by the method of average end areas. In no case will the width or depth used for the computations be greater than the dimensions shown on the plans unless such changes have been approved in writing by the Engineer. Topsoil excavation shall include the excavating, hauling, and stockpiling of the material in the locations approved by the Engineer. If the Contractor requests and the Engineer approves additional areas within the limits of the right-of-way for topsoil excavation other than shown on the plans, these added quantities will be deducted from the item of borrow excavation, furnished excavation, or earth excavation.

Topsoil furnish and place, and compost furnish and place shall be that material obtained from locations determined by the Contractor and will be measured in square yards (square meters).

Excavation and embankment quantities for the roadway have been computed on the basis of cut and fill to the subgrade of the topsoil.

211.08 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for TOPSOIL EXCAVATION AND PLACEMENT; per square yard (square meter) for TOPSOIL FURNISH AND PLACE, of the thickness specified; and per square yard (square meter) for COMPOST FURNISH AND PLACE, of the thickness specified.

SECTION 212. FINAL SHAPING, TRIMMING, AND FINISHING

212.01 Description. This work shall consist of the final shaping, trimming, and finishing of the roadway, the final finishing and cleaning up of the right-of-way, and completing the work for acceptance. This work is in addition to the requirements of Article 104.06.

CONSTRUCTION REQUIREMENTS

212.02 Grading Sections. When the contract does not include a surface or base course, the ditches shall be cleaned, all irregularities in the roadbed shall be smoothed out, depressions shall be filled, and the entire roadway shall be shaped, trimmed, and finished uniformly to the lines, grades, and cross sections shown on the plans, and the right-of-way cleaned up for final acceptance. The finished surface of the roadbed shall not vary from the lines, grades, and cross sections shown on the plans by more than 2 in. (50 mm).

212.03 Full Depth and Rigid Type Surface Sections. The roadway for concrete pavement, full-depth hot mix asphalt, or pavement with concrete base course and any hot mix asphalt shall be shaped, trimmed, and finished as follows.

(a) Sections Not Previously Graded. The ditches shall be cleaned, and the entire roadway shall be shaped, trimmed, and finished uniformly to the lines, grades, and cross sections shown on the plans, and the right-of-way cleaned up for final acceptance.

(b) Sections Previously Graded. Where it is not necessary to secure material from the backslopes of cuts and ditches to complete the earthwork in the roadbed; or where no work is indicated on the plans which will interfere with such slopes; or where the Contractor's operations do not disturb such slopes, no further work on the slopes will be required. If such slopes are disturbed by the Contractor's operations, the Contractor shall trim and reshape them.

In reshaping existing shoulders and medians, widening existing embankments, or raising existing low shoulders and medians, the Contractor shall construct or reshape the shoulders and medians according to Section 480.

Side slopes of fills shall be trimmed and shaped for a distance of 4 ft (1.2 m), measured from the edge of the shoulder toward the toe of the fill slope. The ditches shall be cleaned, and the right-of-way cleaned up for final acceptance.

212.04 Nonrigid Type Surface and Base Course Sections. The roadway for nonrigid type surfacings, such as aggregate surface course or any hot-mix asphalt surface course not built on a portland cement concrete base course, shall be shaped, trimmed, and finished.

Art. 212.04 Final Shaping, Trimming, and Finishing

After the surface or base course material has been placed, all additional construction operations shall be performed in such a manner that earth or other objectionable substances will not be deposited on the surface or base course material.

(a) Sections Not Previously Graded. When the base course is constructed in a trench, all final shaping, trimming, and finishing of ditches, backslopes of cuts, and sideslopes of fills shall be completed to the lines, grades, and cross sections shown on the plans, and all shoulder material shall be roughed in before the base course material is placed.

All final shaping, trimming, and finishing of the roadbed shall be completed to the lines, grades, and cross sections shown on the plans, before the surfacing material is placed.

(b) Sections Previously Graded. The backslopes of cuts and ditches and the sideslopes of fills shall be finished according to Article 212.03(b) before the base course material is placed.

When base course is constructed in a trench, all shoulder material shall be roughed in before the surface or base course material is placed.

All final shaping, trimming, and finishing of the roadbed shall be completed before the surfacing material is placed.

212.05 Finishing. All unsuitable material, debris, and rubbish, resulting from construction operations, or occurring within the right-of-way, and all stones or boulders more than 3 in. (75 mm) in largest dimension, shall be removed from the right-of-way and disposed of according to Article 202.03. The degree of finish for graded slopes outside of the roadbed shall be that which can be obtained by use of suitable mechanical equipment, with only such hand labor as special conditions may require.

Where the roadway has been resurfaced and as directed by the Engineer, any high areas in the existing earth shoulders that remain after resurfacing is complete which would entrap water adjacent to the pavement edge shall be bladed off. The existing earth shoulders shall be sloped to drain, but grading which requires additional material to conform to a uniform cross section will not be required. Immediately prior to final inspection, mowing of the right-of-way will be required at locations as directed by the Engineer.

212.06 Basis of Payment. Except for blading off high spots in the existing earth shoulders where the roadway has been resurfaced and for mowing immediately prior to final inspection, this work will not be measured or paid for separately, but shall be considered as included in the contract unit price for the particular type of surface course, base course or widening included in the contract. If surface course, base course or widening items are not included in the contract, the cost of final shaping, trimming and finishing shall be considered as included in the contract unit prices for the various items of earthwork.

Blading off high spots in the existing earth shoulders where the roadway has been resurfaced and mowing required immediately prior to final inspection will be paid for according to Article 109.04.

LANDSCAPING

SECTION 250. SEEDING

250.01 Description. This work shall consist of preparing the seed bed and placing the seed and other materials required in seeding operations on the shoulders, slopes, and other areas.

250.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Seeds	1081.04
(b) Agricultural Ground Limestone	1081.07
(c) Fertilizer	1081.08

250.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
(a) Disk	1101.08(a)
(b) Slope Harrow	1101.08(b)
(c) Hydraulic Seeder	1101.08(c)
(d) Cultipacker	1101.08(d)
(e) Broadcast Seeders	1101.08(e)
(f) Tractor Drawn or Tractor Mounted Drop Seeders	1101.08(f)
(g) Rangeland Type Grass Drill and Interseeding Attachment	1101.08(g)
(h) Slit Seeder	1101.08(h)

CONSTRUCTION REQUIREMENTS

250.04 Fertilizer and Agricultural Ground Limestone Application. When specified for bare earth areas, fertilizer nutrients and agricultural ground limestone shall be uniformly spread over the designated areas immediately prior to seed bed preparation.

When specified for existing turf areas, fertilizer nutrients and agricultural ground limestone shall be uniformly spread over the designated areas during the spring, late summer, or early fall seasons. The Contractor shall restore any existing turf areas damaged by improper application of fertilizer nutrients or agricultural ground limestone.

When fertilizer is specified, 270 lb (300 kg) of fertilizer nutrients per acre (hectare) shall be applied at 1:1:1 ratio as follows.

Nitrogen Fertilizer Nutrients	90 lb/acre (100 kg/ha)
Phosphorus Fertilizer Nutrients	90 lb/acre (100 kg/ha)
Potassium Fertilizer Nutrients	90 lb/acre (100 kg/ha)

When agricultural ground limestone is specified, it shall be applied at a rate of 2 tons/acre (4.5 metric tons/ha) multiplied by the source correction factor.

250.05 Seed Bed Preparation. For bare earth seeding, seed bed preparation shall not be started until all requirements of Section 212 have been completed. The area to be seeded shall be worked to a minimum depth of 3 in. (75 mm) with a disk, tiller, or other equipment approved by the Engineer, reducing all soil particles to a size not larger than 2 in. (50 mm) in the largest dimension. The prepared surface shall be relatively free from weeds, clods, stones, roots, sticks, rivulets, gullies, crusting, and caking. If the area is to be covered by an erosion control blanket or turf reinforcement mat, the seed bed shall comply with the preparation requirements of Article 251.04 for erosion control blanket or Article 251.05 for turf reinforcement mat prior to application of seed. No seeds shall be sown until the seed bed has been approved by the Engineer.

Seed bed preparation will not be required for Class 7 Seeding if the soil is in a loose condition. Light disking shall be done if the soil is hard or caked.

For areas in which a stand of winter wheat exists, as a result of temporary erosion control seeding, disking will be required.

250.06 Seeding Methods. No seed shall be sown during high winds or when the ground is not in a proper condition for seeding, nor shall any seed be sown until the purity test has been completed for the seeds to be used, and shows that the seed meets the noxious weed seed requirements. All equipment shall be approved by the Engineer prior to being used. Prior to starting work, seeders and interseeders shall be calibrated and adjusted to sow seeds at the required seeding rate. Equipment shall be operated in a manner to ensure complete coverage of the entire area to be seeded or interseeded. The Engineer shall be notified 48 hours prior to beginning the seeding operations so that the Engineer may determine by trial runs that a calibration of the seeder will provide uniform distribution at the specified rate per acre (hectare).

When seed or fertilizer is applied with a hydraulic seeder, the rate of application shall be not less than 1000 gal (9500 L) of slurry per acre (hectare). This slurry shall contain the proper quantity of seed or fertilizer nutrients specified per acre (hectare). When using a hydraulic seeder, the fertilizer nutrients and seed shall be applied in two separate operations.

All legumes (clover and alfalfa) shall be inoculated with the proper bacteria in the amounts and manner recommended by the manufacturer of the inoculant before sowing or being mixed with other seeds for sowing. The inoculant shall be furnished by the Contractor and shall be approved by the Engineer. The seed shall be sown as soon as possible after inoculation. Seed that has been standing more than 24 hours after inoculation shall be reinoculated before sowing. If legumes are applied by a hydraulic seeder, three times the normal amount of inoculant shall be used.

(a) Bare Earth Seeding. Bare earth seeding shall be done using the following methods unless otherwise specified or directed by the Engineer.

(1) Seeding Classes 1, 2, and 6 shall be sown with a machine that mechanically places the seed in direct contact with the soil, packs, and covers the seed in one continuous operation.

(2) Seeding Class 4 shall be sown with a rangeland type grass drill.

(3) Seeding Class 3 may be sown with a hydraulic seeder.

(4) Seeding Classes 5 and 7 shall be sown with a hydraulic seeder or rangeland type grass drill.

Broadcasting or hydraulic seeding will be allowed as approved by the Engineer on steep slopes (over 1:3 (V:H)) or in inaccessible areas where use of the equipment specified is physically impossible. When broadcast seeders are used for Seeding Class 3 or 4, the individual seeds comprising the seeding mixture shall be sown separately. When Seeding Class 7 is used as an erosion control measure to establish temporary cover, hand broadcasting of the seed or other methods approved by the Engineer will be allowed.

(b) Interseeding. Interseeding is the seeding of areas of existing turf. Prior to interseeding, all areas of existing turf to be interseeded, except as listed below, shall be mowed one or more times to a height of not more than 3 in. (75 mm). The equipment used shall be capable of completely severing all growth at the cutting height and distributing it evenly over the mowed area. The cut material shall not be windrowed or left in a lumpy or bunched condition. Additional mowing may be required, as directed by the Engineer, on certain areas in order to disperse the mowed material and allow penetration of the seed. The Contractor will not be required to mow within 1 ft (300 mm) of the right-of-way fence, continuously wet ditches and drainage ways, slopes 1:3 (V:H) and greater, or areas which may be designated as not mowable by the Engineer.

Debris encountered during the mowing and interseeding operations which hamper the operation or are visible from the roadway shall be removed and

disposed of according to Article 250.05. Damage to the right-of-way and turf, such as ruts or wheel tracks more than 2 in. (50 mm) in depth, shall be repaired to the satisfaction of the Engineer prior to the time of interseeding.

All seeding classes shall be interseeded using a rangeland type grass drill with an interseeding attachment, except the following.

(1) When specified in the plans or directed by the Engineer, a slit seeder shall be used to interseed Class 1 or Class 2 seed.

(2) Broadcasting or hydraulic seeding will be allowed as approved by the Engineer on steep slopes (1:3 (V:H) or steeper) or in inaccessible areas where use of the equipment specified is physically impossible. Sufficient water shall be applied to these areas to wash the seed down to the soil.

When broadcast seeders are used for Seeding Class 3 or 4, the individual seeds comprising the seeding mixture shall be sown separately.

250.07 Seeding Mixtures. The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. All seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES

Class - Type		Seeds	lb/acre (kg/hectare)
1	Lawn Mixture 7/	Ky Bluegrass	100 (110)
		Perennial Ryegrass	60 (70)
		Creeping Red Fescue	40 (50)
1A	Salt Tolerant Lawn Mixture 7/	Bluegrass	60 (70)
		Perennial Ryegrass	20 (20)
		Red Fescue (Audubon, Sea Link, or Epic)	20 (20)
		Hard Fescue (Rescue 911, Spartan II, or Reliant IV)	20 (20)
		Fults Salt Grass 1/ or Salty Alkaligrass	60 (70)
1B	Low Maintenance Lawn Mixture 7/	Fine Leaf Turf-Type Fescue 3/	150 (170)
		Perennial Ryegrass	20 (20)
		Red Top	10 (10)
		Creeping Red Fescue	20 (20)
2	Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	100 (110)
		Perennial Ryegrass	50 (55)
		Creeping Red Fescue	40 (50)
		Red Top	10 (10)
2A	Salt Tolerant Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	60 (70)
		Perennial Ryegrass	20 (20)
		Red Fescue (Audubon, Sea Link, or Epic)	30 (20)
		Hard Fescue (Rescue 911, Spartan II, or Reliant IV)	30 (20)
		Fults Salt Grass 1/ or Salty Alkaligrass	60 (70)
3	Northern Illinois Slope Mixture 7/	Elymus Canadensis (Canada Wild Rye) 5/	5 (5)
		Perennial Ryegrass	20 (20)
		Alsike Clover 2/	5 (5)
		Desmanthus Illinoensis (Illinois Bundleflower) 2/, 5/	2 (2)
		Andropogon Scoparius (Little Bluestem) 5/	12 (12)
		Bouteloua Curtipendula (Side-Oats Grama) 5/	10 (10)
		Fults Salt Grass 1/ or Salty Alkaligrass	30 (35)
		Oats, Spring	50 (55)
		Slender Wheat Grass 5/	15 (15)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
3A	Southern Illinois Slope Mixture 7/	Perennial Ryegrass	20 (20)
		Elymus Canadensis (Canada Wild Rye) 5/	20 (20)
		Panicum Virgatum (Switchgrass) 5/	10 (10)
		Andropogon Scoparius (Little Blue Stem) 5/	12 (12)
		Bouteloua Curtipendula (Side-Oats Grama) 5/	10 (10)
		Petalostemum Candidum (White Prairie Clover) 5/	5 (5)
		Rudbeckia Hirta (Black-Eyed Susan) 5/	5 (5)
		Oats, Spring	50 (55)

Class - Type		Seeds	lb/acre (kg/hectare)
4	Native Grass 6/, 8/	Andropogon Gerardi (Big Blue Stem) 5/	4 (4)
		Andropogon Scoparius (Little Blue Stem) 5/	5 (5)
		Bouteloua Curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	1 (1)
		Panicum Virgatum (Switch Grass) 5/	1 (1)
		Sorghastrum Nutans (Indian Grass) 5/	2 (2)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4A	Low Profile Native Grass 6/, 8/	Andropogon Scoparius (Little Blue Stem) 5/	5 (5)
		Bouteloua Curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	1 (1)
		Sporobolus Heterolepsis (Prairie Dropseed) 5/	0.5 (0.5)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4B	Wetland Grass and Sedge Mixture 6, 8/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Wetland Grasses (species below)	6 (6)

Species:	% By Weight 5/
Calamagrostis Canadensis (Blue Joint Grass)	12
Carex lacustris (Lake-Bank Sedge)	6
Carex slipata (Awl-Fruited Sedge)	6
Carex stricta (Tussock Sedge)	6
Carex vulpinoidea (Fox Sedge)	6
Eleocharis aciculoris (Needle Spike Rush)	3
Eleocharis obtusa (Blunt Spike Rush)	3
Glyceria striata (Fowl Manna Grass)	14
Juncus effusus (Common Rush)	6
Juncus tenuis (Slender Rush)	6
Juncus torreyi (Torrey's Rush)	6
Leersia oryzoides (Rice Cut Grass)	10
Scirpus acutus (Hard-Stemmed Bulrush)	3
Scirpus atrovirens (Dark Green Rush)	3
Scirpus fluviatilis (River Bulrush)	3
Scirpus validus (Softstem Bulrush)	3
Spartina pectinata (Cord Grass)	4

Class - Type		Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture	Annuals Mixture (Below) 6/, 8/	1 (1)
		Forb Mixture (Below) 6/, 8/	10 (10)

Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:

Coreopsis lanceolata (Sand Coreopsis)
Chrysanthemum maximum (Shasta Daisy)
Gaillardia pulchelle (Blanket Flower)
Ratibida columnitera (Long-Headed Coneflower)
Rudbeckia hirta (Black-Eyed Susan)

Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:

Amorpha canescens (Lead Plant) 2/
Anemone cylindrica (Thimble Weed)
Asclepias tuberosa (Butterfly-Weed)
Aster azureus (Sky Blue Aster)
Aster laevis (Smooth Aster)
Aster novae-angliae (New England Aster)
Baptisia leucantha (White Wild Indigo) 2/
Coreopsis palmata (Prairie Coreopsis)
Echinacea pallida (Pale Purple Coneflower)
Eryngium yuccifolium (Rattlesnake Master)
Helianthus mollis (Downy Sunflower)
Heliopsis helianthoides (Ox-Eye)
Liatris aspera (Rough Blazing Star)
Liatris pyscostachya (Prairie Blazing Star)
Monarda fistulosa (Prairie Bergamont)
Parthenium integrifolium (WildQuinine)
Petalostemum candidum (White Prairie Clover) 2/
Petalostemum purpureum (Purple Prairie Clover) 2/
Physostegia virginiana (False Dragonhead)
Potentilla arguta (Prairie Cinquefoil)
Ratibida pinnata (Yellow Coneflower)
Rudbeckia subtomentosa (Fragrant Coneflower)
Silphium laciniatum (Compass Plant)
Silphium terebinthinaceum (Prairie Dock)
Solidago rigida (Rigid Goldenrod)
Tradescantia ohiensis (Spiderwort)
Veronicastrum virginicum (Culver's Root)

Class - Type		Seeds	lb/acre (kg/hectare)
5A	Large Flower Native Forb Mixture 6/, 8/	Forb Mixture (see below)	5 (5)
	Species:		% By Weight 5/
	Aster novae-angliae (New England Aster)		5
	Echinacea pallida (Pale Purple Coneflower)		10
	Helianthus mollis (Downy Sunflower)		10
	Heliopsis helianthoides (Ox-Eye)		10
	Liatris pyscostachya (Prairie Blazing Star)		10
	Ratibida pinnata (Yellow Coneflower)		5
	Rudbeckia hirta (Black-Eyed Susan)		10
	Silphium laciniatum (Compass Plant)		10
	Silphium terebinthinaceum (Prairie Dock)		20
	Solidago rigida (Rigid Goldenrod)		10
5B	Wetland Forb	Forb Mixture (see below) 6/, 8/	2 (2)
	Species:		% By Weight 5/
	Acorus calamus (Sweet Flag)		3
	Angelica atropurpurea (Angelica)		6
	Ascelepias incarnata (Swamp Milkweed)		2
	Aster puniceus (Purple Stemmed Aster)		10
	Bidens cernua (Beggarticks)		7
	Eupatorium maculatum (Spotted Joe Pye Weed)		7
	Eupatorium perfoliatum (Boneset)		7
	Helenium autumnale (Autumn Sneeze Weed)		2
	Iris virginica shrevei (Blue Flag Iris)		2
	Lobelia cardinalis (Cardinal Flower)		5
	Lobelia siphilitica (Great Blue Lobelia)		5
	Lythrum alatum (Winged Loosestrife)		2
	Physostegia virginiana (False Dragonhead)		5
	Polygonium pensylvanicum (Pennsylvania Smartweed)		10
	Polygonum lapathifolium (Curlytop Knotweed)		10
	Pychanthemum virginianum (Mountain Mint)		5
	Rudbeckia laciniata (Cut-leaf Coneflower)		5
	Solidago riddellii (Riddell Goldenrod)		2
	Sparganium eurycarpum (Giant Burreed)		5
6	Conservation Mixture	Andropogon Scoparius (Little Blue Stem) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
		Vernal Alfalfa 2/	15 (15)
		Oats, Spring	48 (55)
6A	Salt Tolerant Conservation Mixture	Andropogon Scoparius (Little Blue Stem) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
		Vernal Alfalfa 2/	15 (15)
		Oats, Spring	48 (55)
		Fults Salt Grass 1/ or Salty Alkaligrass	20 (20)
7	Temporary Turf Cover Mixture	Perennial Ryegrass	50 (55)
		Oats, Spring 4/	64 (70)

Notes:

1/ Fults pucinnellia distans.
2/ Legumes - inoculation required.
3/ Specific variety as shown in the plans or approved by the Engineer.
4/ Other seeds may be used if approved by the Engineer.
5/ PLS = Pure Live Seed to be used.
6/ Fertilizer not required.
7/ In Districts 1 through 6, the planting times shall be April 1 to June 15 and August 1 to November 1. In Districts 7 through 9, the planting times shall be March 1 to June 1 and August 1 to November 15. Seeding may be performed outside these dates provided the Contractor guarantees a minimum of 75 percent uniform growth over the entire seeded area(s) after a period of establishment. Inspection dates for the period of establishment will be as follows: Seeding conducted in Districts 1 through 6 between June 16 and July 31 will be inspected after April 15 and seeding conducted between November 2 and March 31 will be inspected after September 15. Seeding conducted in Districts 7 through 9 between June 2 and July 31 will be inspected after April 15 and seeding conducted between November 16 and February 28 will be inspected after September 15. The guarantee shall be submitted to the Engineer in writing prior to performing the work. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department.
8/ Planting times May 15 to June 30 and October 15 to December 1.
9/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Variation in the Class 4 or 5 seed quantities or varieties will be allowed in the event of a crop failure or other unforeseen conditions. The Contractor shall provide for the approval of the Engineer a written description of the changed Class 4 or 5 Mixture, the reasons for the change, and the name of the seed supplier.

250.08 Selective Mowing Stakes. Selective mowing stakes shall be installed to delineate areas to be seeded or interseeded with Class 4 or 5 mixtures. Selective mowing stakes shall be steel posts as described in Article 1081.13(a). The selective mowing stakes shall be driven into the ground to a height of 3 1/2 ft (1.1 m) above the ground at locations shown on the plans and as directed by the Engineer.

250.09 Method of Measurement. This work will be measured for payment as follows.

(a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a).

(b) Measured Quantities. Seeding of the class specified and mowing will be measured in acres (hectares) of surface area seeded or mowed.

The exact locations of seeding and mowing will be determined in the field by the Engineer, and the quantities will be adjusted accordingly. Fertilizer will be measured by weight in pounds (kilograms) of actual nutrients. The percent of nutrients equals the guaranteed analysis on the bag. The

following formula will be used to determine the pounds (kilograms) of fertilizer nutrients applied.

(Total pounds (kilograms) of mixed fertilizer)
X
(Percentage of each nutrient in the fertilizer applied)
= pounds (kilograms) of each fertilizer nutrient

Agricultural Ground Limestone will be measured by weight in tons (metric tons) of Agricultural Ground Limestone having an effective neutralizing value of 67.5 (four year base, a source correction factor of 1.0). Applied quantity shall be the plan quantity multiplied by the source correction factor. The pay quantity will be the applied quantity divided by the source correction factor.

Payment will not be made for fertilizer nutrients in excess of 103 percent or agricultural ground limestone in excess of 108 percent of the amounts specified by the Engineer.

Selective mowing stakes will be measured as each in place.

250.10 Basis of Payment. This work will be paid for at the contract unit price per acre (hectare) for SEEDING or INTERSEEDING of the Class specified; at the contract unit prices per pound (kilogram) for NITROGEN FERTILIZER NUTRIENT, PHOSPHORUS FERTILIZER NUTRIENT and POTASSIUM FERTILIZER NUTRIENT; and at the contract unit price per ton (metric ton) for AGRICULTURAL GROUND LIMESTONE.

Mowing will be paid for at the contract unit price per acre (hectare) for MOWING. Only the initial mowing will be paid for. Any subsequent mowing required to obtain a height of not more than 3 in. (75 mm) or to disperse mowed material will be considered as included in the cost of the initial mowing.

Selective Mowing Stakes will be paid for at the contract unit price per each for SELECTIVE MOWING STAKES.

SECTION 251. MULCH

251.01 Description. This work shall consist of furnishing, transporting, and placing mulch, erosion control blanket, or turf reinforcement mat over seeded areas.

251.02 Materials. Materials shall be according to the following.

	Item	Article/Section
(a)	Compost	1081.05(b)
(b)	Mulch	1081.06(a)
(c)	Chemical Mulch Binder	1081.06(a)(3)
(d)	Chemical Compost Binder	1081.06(a)(4)
(e)	Excelsior Blanket	1081.10(a)
(f)	Knitted Straw Mat	1081.10(b)
(g)	Heavy Duty Erosion Control Blanket	1081.10(c)
(h)	Wire Staples	1081.10(d)
(i)	Wood Stakes	1081.10(e)
(j)	Coconut Fiber	1081.10(f)
(k)	Turf Reinforcement Mat	1081.10(g)

CONSTRUCTION REQUIREMENTS

251.03 Mulch. Within 24 hours of seed placement, mulch by one of the following methods shall be placed on the areas specified. On slopes steeper than 1:3 (V:H), mulch shall be applied the same day as seeded. Mulch shall be applied uniformly at the rate specified.

(a) Method 1. This method shall consist of hand or machine application of straw mulch at the rate of 2 tons/acre (4.5 metric tons/ha). The mulch shall be loose enough to permit air to circulate but compact enough to reduce erosion. If baled mulch material is used, care shall be taken that the material is in a loosened condition and contains no lumps or knots of compacted material.

(b) Method 2. This method shall consist of placing and stabilizing straw at the rate of 2 tons/acre (4.5 metric tons/ha) over seeded areas. All requirements of Method 1 must be met plus the mulch shall be thoroughly stabilized. The Contractor has the option of any of the following procedures for stabilizing the straw.

(1) Procedure 1. This procedure shall consist of anchoring the straw into the soil by means of a mechanical stabilizer with dull blades or disks. These blades or disks shall be without camber, approximately 20 in. (500 mm) in diameter, notches spaced at approximately 8 in. (200 mm) intervals and equipped with scrapers. The stabilizer shall be approximately 1000 lb (450 kg), have a working width not exceeding 72 in. (1.8 m), and shall be equipped with a ballast compartment, so that when directed, the weight (mass) can be increased.

(2) Procedure 2. This procedure shall consist of stabilizing the straw with an approved mulch blower followed immediately by an overspray application of light-duty hydraulic mulch. The hydraulic mulch shall be according to Article 251.03(c) except that it shall be applied as a slurry of 900 lb (1020 kg) of mulch and 1000 gal (9500 L) of water per acre (hectare) using a hydraulic mulch applicator. The light-duty hydraulic mulch shall be agitated a minimum of five minutes before application and shall be agitated during application. The light-duty hydraulic mulch shall be applied from opposing directions to ensure even coverage.

(3) Procedure 3. This procedure shall consist of stabilizing the straw with a chemical mulch binder. The chemical mulch binder may be applied simultaneously with the straw or as an overspray.

a. Simultaneous Application. The coated straw shall be placed by equipment which will blow or eject, by means of a constant air stream, controlled quantities of straw and binder in a uniform pattern. The binder shall be introduced into the air stream of the machine by means of a spray which will partially coat the straw with a spotty tack. If the straw is excessively cut or broken, corrective measures shall be taken.

b. Overspray Application. The overspray application shall be performed according to Procedure 2.

The chemical mulch binder shall be approved by the Engineer and shall be applied at the rate recommended by the supplier and approved by the Engineer.

(c) Method 3. This method shall consist of the machine application of a light-duty hydraulic mulch. Seeding shall be conducted as a separate operation and shall not be added to the hydraulic mulch slurry. Hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions. Mixing and application rates shall be according to the manufacturer's recommendations and meet the minimum application rates set in Article 1081.06(a)(2).

(d) Method 3A. This method shall consist of the machine application of a heavy-duty hydraulic mulch. Seeding shall be conducted as a separate operation and shall not be added to the hydraulic mulch slurry. The hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions. Mixing and application rates shall be according to the manufacturer's recommendations and meet the minimum application rates set in Article 1081.06(a)(2). The heavy-duty hydraulic mulch shall be applied using a mechanically agitated hydraulic mulching machine.

(e) Method 4. This method shall consist of applying compost combined with a performance additive designed to bind/stabilize the compost. The

compost/performance additive mixture shall be applied to the surface of the slope using a pneumatic blower at a depth of 2 in. (50 mm).

Following the mulching operation, foot and vehicular traffic, or the movement of equipment over the mulched area shall be prohibited. At any location where mulching has been displaced by any Contractor's equipment or personnel, the seeding and mulch or other work damaged as a result of that displacement shall be repaired or replaced immediately.

251.04 Erosion Control Blanket. Erosion control blanket may be placed using either excelsior blanket or knitted straw blanket. Within 24 hours of seed placement, blanket shall be placed on the areas specified. Prior to placing the blanket, the areas to be covered shall be relatively free of rocks or clods over 1 1/2 in. (40 mm) in diameter, and sticks or other foreign material which will prevent the close contact of the blanket with the seed bed. If, as a result of rain, the prepared seed bed becomes crusted or eroded, or if eroded places, ruts, or depressions exist for any reason, the Contractor shall rework the soil until it is smooth and reseed such areas which are reworked.

After the area has been properly shaped, fertilized, and seeded, the blanket shall be laid out flat, evenly, and smoothly, without stretching the material. The excelsior and knitted straw blankets shall be placed so that the netting is on the top and the fibers are in contact with the soil. The heavy duty blankets shall be placed so that the heavy duty extruded plastic mesh is on the bottom.

For placement in ditches, the erosion control blanket shall be applied parallel to the centerline of the ditch so that there are no longitudinal seams within 2 ft (600 mm) of the bottom centerline of the ditch. The blanket shall be toed in on the upslope edge and shingled or overlapped with the flow.

On slopes, the blanket shall be applied either horizontally or vertically to the contour, toed in on the upslope edge, and shingled or overlapped with the flow.

When placed adjacent to the roadway, blankets shall be toed in along the edge of shoulder.

Anchoring the blankets shall be according to the manufacturer's specifications.

251.05 Turf Reinforcement Mat (TRM). The TRM shall be specifically manufactured for both temporary and permanent erosion control, revegetation, and the reduction of water velocities in ditches and overflows. TRM shall be placed the same day as seed placement. Prior to placing the TRM, the areas to be covered shall be relatively free of rocks or clods over 1 1/2 in. (40 mm) in diameter, and sticks or other foreign material which will prevent the close contact of the mat with the seed bed. If, as a result of rain, the prepared seed bed becomes crusted, or if eroded places, ruts, or depressions exist for any reason, the Contractor shall rework the soil until it is smooth and reseed such areas which are reworked. The TRM shall be installed according to the manufacturer's recommendations.

251.06 Method of Measurement. This work will be measured for payment as follows.

(a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a).

(b) Measured Quantities. Mulch Methods 1, 2, 3, 3A, and 4 will be measured for payment in place in acres (hectares) of surface area mulched. Erosion control blanket, heavy duty erosion control blanket, and turf reinforcement mat will be measured for payment in square yards (square meters).

251.07 Basis of Payment. This work will be paid for at the contract unit price per acre (hectare) for MULCH, METHOD 1; MULCH, METHOD 2; MULCH, METHOD 3; MULCH METHOD 3A; MULCH, METHOD 4; and at the contract unit price per square yard (square meter) for EROSION CONTROL BLANKET, HEAVY DUTY EROSION CONTROL BLANKET, or TURF REINFORCEMENT MAT.

SECTION 252. SODDING

252.01 Description. This work shall consist of preparing the ground surface and furnishing and placing sod and other materials required in the sodding operations.

252.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Sod	1081.03
(b) Salt Tolerant Sod	1081.03(b)
(c) Agricultural Ground Limestone	1081.07
(d) Fertilizer	1081.08

CONSTRUCTION REQUIREMENTS

252.03 Ground Preparation. The area to be sodded shall be finished according to Section 212 before sodding operations are begun. Immediately prior, but not in excess of 24 hours before the sod is placed, the soil surface shall be worked until it is free from debris, washes, gullies, clods and stones. The surface shall be worked to a depth of not less than 3 in. (75 mm) with a disk, tiller or other equipment approved by the Engineer. Prepared surface shall be finished to a fine smooth finish free of irregularities. Finished ground elevations shall allow for the thickness of sod to match grade of existing turf or structures.

All soil surfaces shall be moist when the sod is placed. When directed by the Engineer, the Contractor shall be required to apply water to dry soil surfaces at a minimum rate of 1 gal/sq yd (5 L/sq m) immediately prior to placing the sod.

When specified, agricultural ground limestone and fertilizer nutrients shall be applied at the designated rates over the areas to be sodded.

When fertilizer is specified, 180 lb (210 kg) of fertilizer nutrients per acre (hectare) shall be applied over the areas to be sodded at a 1:1:1 ratio as follows.

Nitrogen Fertilizer Nutrients	60 lb/acre (70 kg/ha)
Phosphorus Fertilizer Nutrients	60 lb/acre (70 kg/ha)
Potassium Fertilizer Nutrients	60 lb/acre (70 kg/ha)

252.04 Sodding Time. Sod shall be placed when the ground is in a workable condition and temperatures are less than 80 °F (26 °C). Sod shall not be placed when the sod or ground surface is frozen. Sod shall not be placed during the months of July and August.

252.05 Transportation. All sod shall be properly protected during transportation to maintain it in a live, healthy condition. Sod cut for more than 48 hours shall only be used with the approval of the Engineer. Any sod that has dried out, has heated to over 100 °F (38 °C), or is frozen prior to placing will be rejected and shall be immediately removed from the jobsite by the Contractor.

252.06 Placing Sod. The sod shall be placed on the prepared surface with the edges in close contact and alternate courses staggered.

In ditches, the sod shall be placed with the longer dimension perpendicular to the flow of water in the ditch. On slopes, starting at the bottom of the slope, the sod shall be placed with the longer dimension parallel to the contours of the ground. The exposed edges of sod shall be buried flush with the adjacent soil.

On slopes where the sod may be displaced during sodding operations, the workmen shall work from ladders or treaded planks.

252.07 Staking Sod. The sod shall be staked on all slopes of 1:2 (V:H) or steeper. Sod shall be staked with not less than four stakes per sq yd (sq m) with at least one stake for each piece of sod. Stakes shall be a minimum of 6 in. (150 mm) long. Stakes shall be installed so that they hold the sod firmly in place yet present no danger to pedestrians or mowing crews. The type of stake and the method of installation shall meet the approval of the Engineer.

252.08 Sod Watering. Within two hours after the sod has been placed, water shall be applied at a rate of 5 gal/sq yd (25 L/sq m). Additional water shall be applied every other day at a rate of 3 gal/sq yd (15 L/sq m) for a total of 15 additional waterings. During periods exceeding 80 °F (26 °C) or subnormal rainfall, the schedule of additional waterings may be altered with the approval of the Engineer.

The Contractor shall have on hand enough equipment to completely water all sodded areas in two days at the watering rates specified above. The Engineer will make periodic checks of the Contractor's watering equipment to determine its adequacy and operating condition.

All watering described shall be done with a spray application. An open end hose will not be acceptable. The method of watering shall meet the approval of the Engineer.

252.09 Supplemental Watering. During periods exceeding 80 °F (26 °C) or subnormal rainfall, supplemental watering may be required after the initial and additional waterings. Supplemental watering shall be performed when directed by the Engineer. Water shall be applied at the rate specified by the Engineer within 24 hours of notice.

252.10 Disposal of Surplus Material. Surplus and waste materials resulting from sodding operations shall be disposed of according to Article 202.03.

252.11 Inspection. The Contractor shall notify the Engineer of the localities from which the sod is to be obtained so that an authorized representative may inspect the fields for approval.

A copy of the inspection certificate required by law to this effect shall accompany each shipment and on arrival shall be filed with the Engineer.

With every shipment of salt tolerant sod, the Contractor shall provide to the Engineer a letter of certification from an authorized representative of the nursery stating that the seed mixture used in the sod conforms to the specifications.

252.12 Method of Measurement. Sodding will be measured for payment in place and the area computed in square yards (square meters). To be acceptable for final payment, the sod shall be growing in place for a minimum of 30 days in a live, healthy condition. When directed by the Engineer, any defective or unacceptable sod shall be removed, replaced, and watered.

Sod watering will not be measured for payment.

Supplemental watering will be measured for payment in units of 1000 gal (1000 L) of water applied on the sodded areas. Waterings performed in addition to those required by Article 252.08 or after the 30 day establishment period will be considered as supplemental watering.

Fertilizer and agricultural ground limestone will be measured for payment according to Article 250.09.

252.13 Basis of Payment. Sodding will be paid for at the contract unit price per square yard (square meter) for SODDING or SODDING, SALT TOLERANT according to the following schedule.

(a) Initial Payment. Upon placement of sod, 25 percent of the pay item will be paid.

(b) Final Payment. Upon acceptance of sod, the remaining 75 percent of the pay item will be paid.

Supplemental watering will be paid for at the contract unit price per unit for SUPPLEMENTAL WATERING.

Fertilizer and agricultural ground limestone will be paid for according to Article 250.10.

Bid Pricing Request

This contract is a unit base the City should not be charge for any additional work related to the price structures provided. Mobilization, labor, equipment and overhead should be included in the unit cost. Annual the City spends on average about $20,000 - $30,000 in landscaping restoration.

Unit cost for May 1, 2017 – April 30, 2018 –

Item Letter	Items	Unit	Unit Price
A	Final Shaping, Trimming and Finishing		Included in Item B
B	Topsoil / Composting Furnish and Placement		
	2" Thickness	Sq. Yd.	16
	4" Thickness	Sq. Yd.	32
	6" Thickness	Sq. Yd.	48
C	Landscaping (Sod Placement)	Sq. Yd.	18
D	Landscaping (Seed Placement)		
	IDOT Seed Class 1	Lb.	12.05
	IDOT Seed Class 2	Lb.	10.00
	IDOT Seed Class 3	Lb.	29.25
	IDOT Seed Class 4	Lb.	24.38
	IDOT Seed Class 5	Lb.	715
	Fertilizer	Lb.	1.78
E	Mulch (Erosion Control)		
	Mulching	Lb.	2.14
	Erosion Control Blanket	Sq. Yd.	1.71
	Turf Reinforcement Mat	Sq. Yd.	3.60
G	Watering	Hr.	116

Additional Clarifications – Award Criteria

All bid received in accordance with this request will be evaluated based on the criteria established by the City which may include but not be limited to bid price, quality, experience of the bidder, responsiveness of the bidder, adaptability of the particular material and equipment for the specific intended use and conformity to bid specification. The City reserves the right to reject any and or all bids for any reason, whether or not the bid is lowest and to waive any irregularities or technicalities in any bid. The contract, if awarded, will be awarded to the bidder whose bid is determined to be in the best interest of the City. Once delivered, all bid are irrevocable for a period of 30 days from the deadline.

To assist in the bid selection the following are two typical restoration projects required by the City. Unit pricing submitted by the contractor above is required to be used in the following job pricing. Pricing provided will be what is read aloud at bid opening. Final bid award will take into consideration all unit cost provided by the bidder.

A. *Total Cost Sod Restoration –*

Item Letter	Items	Unit	Unit Price	Measurement in Square Feet		
				250	500	1000
A	Final Shaping, Trimming and Finishing		Included in Item B			
B	Topsoil / Composting Furnish and Placement					
	2" Thickness	Sq. Yd.	16	444.48	888.96	1777.92
C	Landscaping (Sod Placement)	Sq. Yd.	18	500.04	1000.08	2000.16
			TOTAL-	944.52	1889.04	3778.08

B. *Total Cost Seed Restoration –*

Item Letter	Items	Unit	Unit Price	Measurement in Square Feet		
				250	500	1000
A	Final Shaping, Trimming and Finishing		Included in Item B			
B	Topsoil / Composting Furnish and Placement					
	2" Thickness	Sq. Yd.	16	444.48	888.96	1777.92
D	Landscaping (Seed Placement)					
	IDOT Seed Class 1	Lb.	12.05	15.06	30.12	60.24
	Fertilizer	Lb.	.78	1.30	2.60	5.20
E	Mulch (Erosion Control)					
	Mulching	Lb.	2.14	29.72	59.44	118.88
	Erosion Control Blanket	Sq. Yd.	1.71	47.5	95	190.00
			TOTAL-	538.06	1076.12	2152.24

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 09/14/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
CRH Insurance Agency, LLC
1381 Wind Energy Pass
Batavia, IL 60510

CONTACT NAME: Michele King
PHONE (A/C, No, Ext): (630) 208-8496 FAX (A/C, No): (630) 208-8497
E-MAIL ADDRESS: admin@crinsurance.net

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Bitco Insurance Company	20095
INSURER B: First Mercury	10657
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Langton Snow Solutions Inc
dba Langton Group
4510 Dean St
Woodstock IL 60098-7503

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:	x	x	CLP 3626622	09/15/2016	09/15/2017	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	x	x	CAP 3626621	09/15/2016	09/15/2017	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			IL-EX-0000057689-01	09/15/2016	09/15/2017	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000 $
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	x	WC 3626620	09/15/2016	09/15/2017	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
A	Personal Property			CLP 3626622	09/15/2016	09/15/2017		$26,370

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Proof of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE Ed Allaz <SH>

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