

Response Due Date 3/20/2019		Time 1:00 PM	Location 800 Lincoln Way, Ames, IA	
Proposal Number 22066	Description Seed Mixing and Storage			
Contract Begin Date	Contract Completion Date	Bid Bond NA	Performance Bond (Y/N) N	Liquidated Damages \$0.00
Purchasing Agent Assigned Rhonda Ruark	E-Mail Address rhonda.ruark@iowadot.us	Phone 515-239-1285	Fax 515-239-1538	

RESPONDER INFORMATION				
Company Name			Federal Tax ID	
Street Address		City	State	Zip Code
Contact Name	E-Mail Address	Phone	Fax	
Responder agrees to sell goods/services or both at the same prices, terms and condition to any other Iowa state agency, Regent or Political Subdivision upon request. Please check Yes or No. <input type="checkbox"/> YES <input type="checkbox"/> NO			Responder is an Iowa Targeted Small Business? <input type="checkbox"/> YES <input type="checkbox"/> NO	

GENERAL INFORMATION

The entire contents of this solicitation; Addendums, Schedule of Prices, Specifications, Plans and Drawings, Supplemental Terms and Conditions, Standard Terms and Conditions shall become part of the contract or purchase order. **Faxed or email responses will be accepted.**

Acceptance/Rejection: The Iowa DOT reserves the right to accept or reject any or all responses and to waive irregularities or technicalities, provided such waiver does not substantially change the offer or provide a competitive advantage to a supplier or service provider. The Iowa DOT reserves the right to accept the response which is deemed to be in the best interest of the state. Any unauthorized changes, additions, or conditional responses including any ties to other solicitations or any reservations about accepting an award or entering into a contract, may result in rejection of the response. Responses must remain available for award for (30) days from the due date indicated above.

Method of Award: Award shall be made to the lowest responsible, responsive responder whose response meets the requirements of the solicitation unless otherwise specified. An Iowa responder will be given preference over an out-of-state responder when responses are equal in all aspects and are tied in price. By virtue of statutory authority preference will be given to products and provisions grown and coal produced within the State of Iowa.

Contracts: Successful contractor(s) may be sent either a formal contract or a purchase order. The contractor may not assign the contract to another party without written authorization from the Iowa DOT Purchasing Section.

Pricing and Discount: Unit prices shown in the response shall be quoted as the price per unit (e.g., gal., case, each, etc.) as stated in the solicitation. If there is a discrepancy between the unit prices, extended price, or total amount of response, the unit price shall prevail. Unless otherwise indicated, prices shall be firm for the duration of the contract or purchase order. Discounts for early payment are allowed, but not considered in award of the contract.

We certify that:

-All materials, equipment, goods and/or services offered meet or exceed the specifications and requirements and will be supplied in accordance with the entire contents of this solicitation including delivery schedules.

- No relationship exists or will exist during the contract period between the Contractor and the Iowa DOT or any Participating Agencies that interferes with fair competition or constitutes a conflict of interest.

Signed: _____

Date: _____



Iowa Department of Transportation
Standard Terms and Conditions
For

Submission of Responses to Solicitations

-INFORMAL-

Informal - means a limited solicitation type of procurement where a sufficient number of responses from qualified sources are obtained and the aggregate amount of the purchase is less than \$50,000.

The entire contents of this solicitation shall become a part of a contract or purchase order. In case of a discrepancy between the contents of the solicitation documents, the following items listed by descending order shall prevail:

- Addendums to the solicitation
- Solicitation-
 - Schedule of Prices
 - Specifications
 - Plans and Drawings
- Supplemental Terms and Conditions
- Standard Terms and Conditions

(Example - if there is a statement in the Specifications that contradicts a statement in the Standard Terms and Conditions, the statement in the Specifications shall apply)

Preparation of Solicitation Response: All responses must address all aspects of the solicitation. Responses must be typed or completed in ink and submitted on the forms supplied by the Iowa DOT.

Responses must be signed and received prior to the due date and time indicated on the Solicitation Response page or other specified areas throughout the solicitation document. The Responder's signed, submitted Response shall become the official response to be considered for award.

Responses may be sent by email, fax, weblink, or delivered by a courier that ensures timely delivery.

A. Solicitation

1. **Opening:** The opening of responses is made public as conducted at the Iowa DOT, Ames complex unless otherwise specified. Responses received after the time of the opening will be returned to the Responder and considered non-compliant.
2. **Communications:** Questions concerning this solicitation should be directed to the purchasing agent listed on the Solicitation Response page. Inquiries can be written, phoned, or faxed. In all cases, written communication will take precedence over verbal communication.
3. **Pricing and Discount:** Unit prices shown on the Response shall be quoted as the price per unit (e.g., gal., case, each, etc.) as stated in the solicitation. If there is a discrepancy between the unit prices, extended price, or total amount of response, the unit prices shall prevail. Unless otherwise indicated, prices shall be firm for the duration of the contract or purchase order. Discounts for early payment are allowed, but not considered in award of the contract.
4. **Acceptance/Rejection:** The Iowa DOT reserves the right to accept or reject any or all Responses and to waive irregularities or technicalities, provided such waiver does not substantially change the offer or provide a competitive advantage to any supplier(s). The Iowa DOT also reserves the right to accept that Response which is deemed to be in the best interests of the state. Any unauthorized changes, additions, or conditional Response including any ties to another Response or any reservations about accepting an award or entering into a contract, may result in rejection of the Response. Responses must remain available for award for thirty (30) days from the due date.

5. **Solicitation Response Results & Disclosure:** Tabulation results will be sent to all responders and may be posted on the Iowa DOT website at www.iowadot.gov/purchasing under the "Award" link referencing the proposal number with an award recommendation indicated. At the conclusion of the selection process, the contents of all received Responses will be placed in the public domain and be open to inspection by interested parties, according to state law. Trade secrets or proprietary information that are recognized as such and are protected by law may be withheld if clearly identified.
6. **Quality of Goods:** All material shall be new and of first quality. Items which are used, demonstrators, refurbished, obsolete, seconds, or which have been discontinued are unacceptable without prior written approval by the Iowa DOT.
7. **Recycled Content:** The Iowa Code encourages purchase of products and materials with recycled content, including but not limited to paper products, oils, plastic products, compost materials, aggregate, solvents, and rubber products. Recycled items or alternatives must be noted in the Solicitation Response, if known.
8. **Shipping Terms:** Deliveries shall be F.O.B. Destination unless otherwise specified. All deliveries shall be accompanied by a packing slip indicating the Supplier, quantities shipped, and the purchase order number(s). All delivery charges shall be included in the Response price and paid by the Supplier. No collect C.O.D. deliveries shall be accepted. When entering into a contract, the Supplier shall notify the freight company that all freight and delivery charges are to be prepaid by the Supplier. Goods delivered to the Iowa DOT Distribution Center at 931 S. 4th Street, Ames, IA shall be received between the hours of 7:00 a.m. and 3:00 p.m. on any day except Saturday, Sunday, or a holiday. For deliveries to other Iowa DOT locations, the Supplier may contact the destination location for available times to deliver as not all Iowa DOT locations have the same business hours. The Iowa DOT will not be liable for any freight claims or unpaid freight bills arising from contract or purchase order issues.

B. Award

The binding agreement (award) may be issued in the form a purchase order or contract or both depending on the requirements and complexity of the agreement.

1. **Method of Award:** Award shall be made to the lowest responsible, responsive Responder whose response meets the requirements of the solicitation unless otherwise specified. An Iowa company or individual will be given preference over an out-of-state company or individual when responses are equal in all aspects and are tied in price. By virtue of statutory authority preference will be given to products and provisions grown and coal produced within the State of Iowa.
2. **Contracts:** Successful Contractor(s) may be sent a formal contract, Notification of Award or Purchase Order as confirmation of acceptance and award. Any of these binding agreements shall be for the term stated in the solicitation or on a purchase order and may be renewed for additional period(s) under the same terms and conditions upon mutual agreement. The successful responder shall not assign a contract to another party without written authorization from the Iowa DOT Purchasing Section. The Iowa DOT may offer a contract extension to the Contractor when a scheduled target date cannot be met.
3. **Consumer Price Index (CPI-U):** A CPI may be allowed as specified in the terms of the solicitation and at the discretion of the Iowa DOT based on currently posted CPI-U, US City Average, All Items – non seasonally adjusted (NSA) unless otherwise specified. This applies each of any subsequent renewals, extensions, amendments issued under the contract for the duration of the contract.

4. **Service Animals:** Any contract or purchase order awarded to a contractor that employs persons that utilize service animals shall certify the following:
 1. The service animal has had all legally required shots and immunizations, including, but not limited to, rabies vaccinations and necessary boosters;
 2. The service animal has not ever bitten or otherwise attacked any individual. The animal is not aggressive towards others, and has not shown any aggressive tendencies towards others;
 3. The service animal will be leashed or otherwise restrained at all times while present on Iowa DOT owned property;
 4. The insurance coverage shall include coverage for service animal bites or other injuries caused by such animals;
 5. Indemnification provisions shall hold the Iowa DOT harmless against any claims arising out of or relating in any way to service animal bites or other injuries caused by animals.
5. **Payment Terms:** The Iowa DOT typically pays properly submitted vendor invoices within thirty (30) days of receipt, providing goods and/or services have been successfully delivered, installed or inspected (if required), and accepted. Invoices presented for payment must be only for quantities received by the Iowa DOT and must reference the purchase order number or contract to be submitted for processing.
6. **Default (Supplier):** Failure of the Supplier to adhere to specified delivery schedules or to promptly replace rejected materials shall render the Supplier liable for all costs in excess of the Response price when alternate procurement is necessary. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the binding agreement.
7. **Default (Contractor):** Failure of a Contractor other than a Supplier to meet any specified project completion deadline shall render the Contractor liable for all costs incurred by the Iowa DOT that were: a) necessary to meet said deadline; or b) necessary to complete said project after said deadline. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the agreement.

C. General

1. **Administrative Rules:** For additional details on the rules governing the action of the Iowa DOT Purchasing Section, refer to 761IAC, Chapter 20, Iowa Administrative Code, entitled "Procurement of Equipment, Materials, Supplies and Services".
2. **Affirmative Action:** The Contractor (and also subcontractor, vendor, service provider or supplier) is prohibited from engaging in discriminatory employment practices forbidden by federal and state law, executive orders and rules of the Iowa Department of Management, pertaining to equal employment opportunity and affirmative action. Contractor may be required to have a copy of their affirmative action program on file, containing goal and time specifications. Contractors doing business with Iowa in excess of \$5,000 annually and employing 50 or more full time employees may be required to file with the Iowa Department of Management a copy of their affirmative action plan. Failure to fulfill these non-discrimination requirements may cause the contract to be canceled and the contractor declared ineligible for future state contracts or subject to other sanctions as provided by law or rule.
3. **Applicable Law:** The contract shall be governed under the laws of the State of Iowa. The contractor shall at all times comply with and observe all federal and state laws, local laws, ordinances, and regulations which are in effect during the period of a contract and which in any manner affect the work or its conduct. Any legal action relating to a contract shall only be commenced in the Story County, Iowa, District Court or the United States District Court for the Southern District of Iowa.
4. **Conflict of Interest:** No state or county official or employee, elective or appointive shall be directly or indirectly interested in any contract issued by the Iowa DOT, see Code of Iowa 314.2.
5. **Debarment and Vendor Suspension:** By submitting a response, the contractor is certifying that it and its principals and/or subcontractors are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by the State of Iowa or any Federal department or agency.
6. **Equal Opportunity:** Responders to the solicitation must be an "Equal Opportunity Employer" as defined in the Civil Rights Act of 1964 and in Iowa Executive Order Number Thirty-four.

7. **Indemnification-Goods:** To the extent the goods are not manufactured in accordance with Iowa DOT's designs, Supplier shall defend, indemnify and hold harmless Iowa DOT, its assignees, and other users of the goods from and against any claim of infringement of any letters patent, trade names, trademarks, copyright or trade secrets by reason of sale or use of any articles purchased. Iowa DOT shall promptly notify Supplier of any such claim.
8. **Indemnification-Services:** The Supplier of services identified herein shall defend, indemnify and hold harmless Iowa DOT, the State of Iowa, its employees, agents and officials, from and against all claims of any kind arising out of or relating in any way to the services provided to Iowa DOT by said Supplier of services. Iowa DOT shall promptly notify Supplier of any such claim.
9. **Infringement:** Goods shall be delivered free of the rightful claim of any third party by way of infringement. Contractor shall indemnify and save harmless the State of Iowa and the Iowa DOT against all claims for infringement of, and/or royalties claimed under, patents or copyrights on materials and equipment furnished under this solicitation.
10. **Iowa Open Records Law:** All Solicitation Responses are subject to terms and provisions of Iowa Code Chapter 22 Examination of Public Records (Open Records), specifically 22.7- Confidential Records.
11. **Records Audit:** The contractor agrees that the Auditor of the State of Iowa or any authorized representative of the state, and where federal funds are involved, the Comptroller General of the U.S. Government, shall have access to and the right to examine, audit, excerpt, and transcribe any directly pertinent books, documents, papers, and records of the contractor relating to orders, invoices, or payments of a contract or purchase order.
12. **Targeted Small Businesses:** The Iowa DOT seeks to provide opportunities for women and/or minority small business enterprises. To apply for certification as an Iowa Targeted Small Business, contact the Iowa Department of Inspection and Appeals (515-281-5796). Contractors shall take documented steps to encourage participation from Targeted Small Businesses for the purpose of subcontracting and supplying of goods or services or both.
13. **Taxes:** Prices quoted shall not include state or federal taxes from which the state is exempt. Exemption certificates will be furnished upon request.
14. **Termination:**
 - **Termination Due to Lack of Funds or Change in Law**

The Iowa DOT shall have the right to terminate this Contract without penalty by giving thirty (30) days written notice to the vendor as a result of any of the following:

 - Adequate funds are not appropriated or granted to allow the Iowa DOT to operate as required and to fulfill its obligations under contract.
 - Funds are de-appropriated or not allocated or if funds needed by the Iowa DOT, at the Iowa DOT's sole discretion, are insufficient for any reason.
 - The Iowa DOT's authorization to operate is withdrawn or there is a material alteration in the programs administered by the Iowa DOT.
 - The Iowa DOT's duties are substantially modified.

Following a 30 day written notice, the Iowa DOT may terminate a binding agreement in whole or in part without the payment of any penalty or incurring any further obligation to the Supplier. Following termination upon notice, the Supplier shall be entitled to compensation upon submission of invoices and proper proof of claim for goods and services under contract up to and including the date of termination.

Schedule Of Prices

Number	22066
Date Required	03/20/2019 1:00 PM

Title Seed Mixing and Storage
 Delivery Location
 Shipping Terms FOB Destination/Freight Prepaid

Vendor
 PA Name Rhonda J Ruark
 Phone 515-239-1285
 E-Mail rhonda.ruark@iowadot.us

Description

Product Availability Days: _____
 Price Good Until: _____

All items must be bid.

Item	Qty	Unit	Description	Part #	Unit Price	Total Price
1	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Intersection of Covington Rd and IA 100 on the NE bound ramp in Linn County Approximately 3,402.35 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
2	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Muscatine DOT Maintenance Garage located at 417 Lake Park Blvd, Muscatine, IA 52761 in Louisa County Approximately 2,587.51 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
3	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: SE corner of the Intersection of Hwy 146 and Julian Street in Le Grand in Marshall County Approximately 310.15 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019 for approximately 296.46 PLS lbs and November 1 to November 30, 2019 for approximately 13.69 PLS lbs. This project consists of two delivery periods as a portion of the site will be seeded in the spring and a portion of the site will be seeded in the fall. Seed to be delivered in November will be required to be stored until the fall seeding timeframe.			
Comments:						
4	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County Approximately 2,741.63 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						

Item	Qty	Unit	Description	Part #	Unit Price	Total Price
5	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Sac City DOT Maintenance Garage located at 2903 W Main St, Sac City, 50583 in Sac County Approximately 4,938.89 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
6	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Commuter Parking Lot just south of the Intersection of IA 117 and Hwy 65 in Jasper County Approximately 1,866.16 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019 for approximately 1,275.21 PLS lbs and November 1 to November 30, 2019 for approximately 590.95 PLS lbs.			
Comments:						
7	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Corner of 564 th Ave and Interstate 35 (East R.O.W. at Station 1321) in Story County Approximately 1,181.25 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
8	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Le Mars DOT Maintenance Garage located at 1080 Lincoln Street NE, Le Mars, IA 51031 in Plymouth County Approximately 398.58 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019. This project consists of two separate seeding mixes. Mix "A" consists of approximately 360.4 PLS lbs, and mix "B" consists of approximately 38.18 PLS lbs.			
Comments:						
9	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County Approximately 8,727.04 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						

Item	Qty	Unit	Description	Part #	Unit Price	Total Price
10	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County Approximately 9,607.16 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
11	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Intersection of 100 th Street and Interstate 80 on the SW Off Ramp in Polk County Approximately 920.30 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.			
Comments:						
12	1	JOB	Seed Mixing and Storage Per pound of pure live seed, including delivery of seed within 48 hours notification to location: Intersection of W Forevergreen Rd and Jasper Ave NW in Johnson County Approximately 1,192.88 PLS lbs. Estimated delivery time should be between November 1 to November 30, 2019			
Comments:						

I HEREBY CERTIFY THAT THIS PROPOSAL MEETS OR EXCEEDS THE MINIMUM REQUIREMENT INCLUDING SPECIFICATIONS AND ADDENDUMS.

Signature: _____ Date: _____

General Requirements & Specifications

Overview

Provide all materials, labor and equipment necessary to complete seed mixing and storage per pound of pure live seed (PLS). Delivery of this seed will be required within 48 hours of notification from the Iowa Department of Transportation to the locations listed on the schedule of prices.

Nonmaterial and Material Variances

The Iowa DOT reserves the right to waive or permit cure of nonmaterial variances in the Bidder's Bid Response if, in the judgment of the Iowa DOT, it is in the Iowa DOT best interest to do so. Nonmaterial variances include minor informalities that do not affect responsiveness; that are merely a matter of form or format; that do not change the relative standing or otherwise prejudice other Contractors; that do not change the meaning or scope of the RFB; or that do not reflect a material change in the services. In the event the Iowa DOT waives or permits cure of nonmaterial variances, such waiver or cure will not modify the RFB requirements or excuse the Contractor from full compliance with RFB specifications or other contract requirements if the Contractor is awarded the contract. The determination of materiality is in the sole discretion of the Iowa DOT.

Specifications

Inspect seed upon arrival to ensure the seed is labeled in accordance with laws relating to agriculture seeds and the fuels and regulations of Iowa Department of Agriculture. The exception being the information on the tag or label shall be mechanically printed. Each unit of seed furnished shall have a label or tag containing the name and address of the person or company who labeled said seed, kind and variety, percent purity, percent germination, percent hard seed, if present, and date tested.

Inspect the seed for damage due to rough handling and any exposure to moisture or rodents. Notify the DOT within 24 hours of receiving the seed should any evidence of contamination, or other reasons which would indicate the quality of seed is questionable. Notify the DOT Agronomist of any seed where the DOT minimum requirements for purity and germination as listed in Section 4169 are not being met.

Furnish with each shipment a certified seed mixture report and certification sheet. Each mixture report shall identify the county, project number, contractor or subcontractor and type of seed mixture.

Each certification sheet shall be signed by a designated responsible company representative.

Forward one copy of the above described documents to the project engineer at the time of delivery to the project. In addition, send one copy to the District Materials Engineer in the district in which the project is being administered. Information will be provided to successful bidder.

Store the seed upon arrival in a facility where the temperature plus humidity should not exceed 100 with ideal conditions being 50° Fahrenheit and 50% relative humidity.

Seed mixtures for each project will be forwarded to the contractor once the seed mixing contract is awarded. All projects have one seed mix except for item number 8 with two seed mixes.

Deliver this seed within 48 hours of notification from the Iowa DOT to the following locations:

- 1) Intersection of Covington Rd and IA 100 on the NE bound ramp in Linn County - approximately 3,402.35 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 2) Muscatine DOT Maintenance Garage located at 417 Lake Park Blvd, Muscatine, IA 52761 in Louisa County - approximately 2,587.51 PLS lbs. Estimated delivery time should be

between April 10 to May 31, 2019.

- 3) SE corner of the Intersection of Hwy 146 and Julian Street in Le Grand in Marshall County - approximately 310.15 total PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019 for approximately 296.46 PLS lbs and November 1 to November 30, 2019 for approximately 13.69 PLS lbs.
- 4) Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County - approximately 2,741.63 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 5) Sac City DOT Maintenance Garage located at 2903 W Main St, Sac City, 50583 in Sac County - approximately 4,938.89 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 6) Commuter Parking Lot just south of the Intersection of IA 117 and Hwy 65 in Jasper County - approximately 1,866.16 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019 for approximately 1,275.21 PLS lbs and November 1 to November 30, 2019 for approximately 590.95 PLS lbs.
- 7) Corner of 564th Ave and Interstate 35 (East R.O.W. at Station 1321) in Story County - approximately 1,181.25 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 8) Le Mars DOT Maintenance Garage located at 1080 Lincoln Street NE, Le Mars, IA 51031 in Plymouth County - approximately 398.58 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 9) Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County - approximately 8,727.04 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 10) Correctionville DOT Maintenance Garage located at 4244 US 20 E, Correctionville, IA 51016 in Woodbury County - approximately 9,607.16 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 11) Intersection of 100th Street and Interstate 80 on the SW Off Ramp in Polk County - approximately 920.30 PLS lbs. Estimated delivery time should be between April 10 to May 31, 2019.
- 12) Intersection of W Forevergreen Rd and Jasper Ave NW in Johnson County - approximately 1,192.88 PLS lbs. Estimated delivery time should be between November 1 to November 30, 2019

Item numbers 1, 2, 4, 5, 7, 9, 10 and 11 will have one seed mixture with a spring 2019 delivery period. Item number 12 will have one seed mixture with a fall 2019 delivery period. Item numbers 3 and 6 will have one seed mixture with both a spring and a fall delivery period. Item number 8 will have two seed mixes both with a spring delivery period.

Submit the completed Reference "Attachment A" to the Iowa Department of Transportation for verification of certification and mixing of seeds.

Iowa DOT Agronomist Contact Information:
James Bultman
Office of Design
Roadside Development Specialist – Agronomist
800 Lincoln Way, Ames, IA 50010
James.Bultman@iowadot.us

Contract Period

See Bid Proposal timeline for dates. The date of completion shall be stated in calendar days on the Bidder's Bid Response, and if necessary, adjusted by agreement between the Iowa DOT and successful bidder prior to executing the contract documents.

The Iowa DOT realizes that deliveries and site conditions have a definite bearing on the completion date. The Iowa DOT will demand diligence in the prosecution of the work, but with good cause and satisfactory past performance by the Contractor, the Iowa DOT may revise the completion date to another mutually-acceptable date, when requested in writing and in good faith by the Contractor.

Seed Mixture Report – Native Grass and Wetland Grass

Project No.: _____ Date: _____
 County: _____ Seed Mix Type: _____
 Contractor: _____ # of Acres: _____
 Lot #: _____

Species (Scientific name)	Origin	Lot #	Test Date	Purity (%)	Germination (%)	PLS %	PLS Factor

Species (Scientific name)	# PLS/Acre	# of Acre	Total # PLS	PLS Factor	Total Bulk Lbs.
				Total:	

Lbs/Bag: _____ Acres/Bag: _____ # of Bags: _____

Certification Statement

The materials itemized in this shipment are certified to be in compliance with the applicable requirements of the Iowa Department of Transportation.

Project No.	
County	
Seed Mixture Type	
# of Acres	
Total Bulk Lbs. of Mixture	
Lbs./Bag	
Acres/Bag	
Lot No.	
# of Bags	
Contractor	
Date	

Company: _____

Name: _____

Signature: _____

Date: _____

List state(s) where company is an approved seed conditioner:

Section 4169. Erosion Control Materials

4169.01 DESCRIPTION.

All materials required to be furnished and described in this section.

4169.02 SEEDS.

- A. Furnish seeds approved for use according to requirements of this section, including specified purity and germination, as shown in Tables 4169.02-1 and 4169.02-2.

Table 4169.02-1: Seeds (Common Names, Scientific Names, Purity, and Germination)

Common Name	Scientific Name	Purity (%)	Germination (%)
DOMESTIC GRASSES			
Bluegrass, Kentucky	<i>Poa pratensis</i>	85	80
Bluegrass, Ky. RAM-1	<i>Poa pratensis</i> -RAM-1	95	85
Bluegrass, Ky. PARK	<i>Poa pratensis</i> -PARK	95	85
Brome, smooth-LINCOLN	<i>Bromus inermis</i>	90	85
Fescue, tall, FAWN	<i>Festuca arundinacea</i> -FAWN	98	85
Fescue, chewings, red	<i>Festuca rubra</i> var. <i>commutata</i>	98	90
Fescue, creeping, red	<i>Festuca rubra</i>	98	85
Fescue, red-PENNLAWN	<i>Festuca rubra</i> PENNLAWN	98	85
Fescue, Tall, Olympic (Fineleaf)	<i>Festuca arundinacea</i> -Olympic	98	85
Fescue, Tall, Rebel (Fineleaf)	<i>Festuca arundinacea</i>	98	85
Fescue, Sheeps	<i>Festuca ovina</i>	98	85
Orchardgrass	<i>Dactylis glomerata</i>	90	90
Red top	<i>Agrostis alba</i>	92	85
Reed Canarygrass	<i>Phalaris arundinacea</i>	98	70
Wildrye, Canada	<i>Elymus Canadensis</i>	95	85
Wildrye, Russian	<i>Elymus junceus</i>	95	85
Ryegrass, Perennial	<i>Lolium perenne</i>	95	90
Timothy	<i>Phleum pratense</i>	99	85
LEGUMES			
Alfalfa, RANGER/VERNAL	<i>Medicago sativa</i>	99	90 ^(a)
Alfalfa, Travois	<i>Medicago</i> spp.	99	90 ^(a)
Birdsfoot Trefoil EMPIRE	<i>Lotus corniculatus</i>	98	85 ^(a)
Crownvetch, Emerald	<i>Coronilla varia</i>	98	70 ^(a)
Hairy Vetch	<i>Vicia villosa</i>	96	85 ^(a)
Lespedeza, Korean	<i>Lespedeza stipulacea</i>	98	80 ^(a)
Red Clover, medium	<i>Trifolium pratense</i>	99	90 ^(a)
Alsike Clover	<i>Trifolium hybridum</i>	99	90 ^(a)
White Clover	<i>Trifolium repens</i>	98	90 ^(a)
NURSE CROP OR STABILIZING CROP			
Oats	<i>Avena sativa</i>	97	90
Rye	<i>Secale cereale</i>	97	90
Sudangrass, PIPER	<i>Sorghum vulgare</i> var. <i>sudanese</i>	98	85

^(a) Includes hard seed.

Table 4169.02-2: Seeds (Common Names, Scientific Names, and PLS)

Common Names	Scientific Names	PLS (%)
*Furnish seed certified as Source Identified Class (Yellow Tag) Source G0-Iowa.		
<u>NATIVE GRASSES</u>		
Big Bluestem*	<i>Andropogon gerardii</i>	30
Little Bluestem*	<i>Andropogon scoparius</i>	30
Switchgrass*	<i>Panicum virgatum</i>	63
Indiangrass*	<i>Sorghastrum nutans</i>	30
<i>Sorghastrum nutans</i>	<i>Bouteloua curtipendula</i>	30
Western Wheatgrass*	<i>Agropyron smithii</i>	56
Buffalograss*	<i>Buchloe dactyloides</i>	60
Sand Bluestem*	<i>Andropogon gerardii, var. paucipilus</i>	30
Blue Grama	<i>Bouteloua gracilis</i>	30
Intermediate Wheatgrass	<i>Agropyron intermedium</i>	70
Slender Wheatgrass	<i>Agropyron trachycaulum, var. unilaterale</i>	70
Prairie Dropseed	<i>Sporobolus heterolepis</i>	65
Sand Dropseed	<i>Sporobolus cryptandrus</i>	65
Sand Lovegrass	<i>Eragrostis trichodes</i>	65
Weeping Lovegrass	<i>Eragrostis curvula</i>	65
Hairy Wood Chess	<i>Bromus purgans</i>	60
Blue-joint grass	<i>Calamagrostis Canadensis</i>	47
Bottlebrush sedge	<i>Carex comosa</i>	62
Tussock sedge	<i>Carex stricta</i>	78
Fox sedge	<i>Carex vulpinoidea</i>	64
Virginia wild-rye	<i>Elymus virginicus</i>	60
Reed manna grass	<i>Glyceria grandis</i>	50
Fowl manna grass	<i>Glyceria striata</i>	72
Common rush	<i>Juncus effusus</i>	80
Rice Cut Grass	<i>Leesia oryzoides</i>	62
Rye grass, annual	<i>Lolium italicum</i>	89
Fowl bluegrass	<i>Poa palustris</i>	72
Green bulrush	<i>Scirpus atrovirens</i>	45
Wool grass	<i>Scirpus cyperinus</i>	78
Soft-stem bulrush	<i>Scirpus validus</i>	78
Indian grass	<i>Sorghastrum nutans</i>	60
Spike Rush	<i>Eleocharis palustris</i>	71
<u>FORBS</u>		
Canada anemone	<i>Anemone Canadensis</i>	72
Marsh milkweed	<i>Asclepias incarnate</i>	25
New England aster	<i>Aster novae-angliae</i>	25
Swamp aster	<i>Aster puniceus</i>	25
Showy tic-trefoil	<i>Desmodium canadense</i>	25
Joe-pye weed	<i>Eupatorium maculatum</i>	66
Boneset	<i>Eupatorium perfoliatum</i>	41
Ox Eye sunflower	<i>Heliopsis helianthoides</i>	38
Blue-flag iris	<i>Iris virginica-shrevii</i>	19
Meadow blazingstar	<i>Liatris ligulistylis</i>	24
Tall blazingstar	<i>Liatris pycnostachya</i>	24
Great blue lobelia	<i>Lobelia siphilitica</i>	13
Reed manna grass	<i>Glyceria grandis</i>	50
Fowl manna grass	<i>Glyceria striata</i>	72

Common Rush	<i>Juncus effuses</i>	80
Rice Cut Grass	<i>Leesia oryzoides</i>	62

- B. Furnish all seeds, including grass, legume, forbs, and cereal crop seeds, from an established seed dealer or certified seed grower. Ensure they meet requirements of the Iowa Department of Agriculture regulations (Iowa Seed Law) and are labeled accordingly. Ensure the test date to determine the percentage of germination requirement was completed within a 9 month period exclusive of the calendar month in which the test was completed. Ensure the seed analysis on the label is mechanically printed.
- C. Approval of all seed for use will be based on the accumulative total of PLS specified for each phase of the work, so that the PLS is not less than the accumulative total of the PLS specified. PLS is obtained by multiplying purity times germination.
- D. If the seed does not comply with minimum requirements for purity and germination and such seed cannot be obtained, the Engineer may approve use of the seed on a basis of PLS or may authorize a suitable substitution for the seed specified.
- E. The accumulative total of Pure Live Seed (PLS) is the product obtained by multiplying the pounds (kilograms) of each seed by the purity and germination percentages expressed as decimals. Calculations will be based on test results of samples taken by the Contracting Authority. If the seeds were not sampled or if these test results are not available, the PLS will be calculated from information shown on the label.

4169.03 FERTILIZER.

Furnish fertilizer of the grade, type, and form specified and that complies with Iowa Department of Agriculture rules and the following requirements:

- A. Fertilizer grade will be identified according to the percent nitrogen (N), percent available phosphoric acid, (P₂O₅), and percent water soluble potassium, (K₂O), in that order. Approval will be based on that identification.
- B. Furnish all fertilizer from an established fertilizer dealer. Ensure guaranteed analysis is provided either through mechanically printed commercial fertilizer bags or through a manufacturer's (not a distributor's) bill of lading.
- C. Fertilizer inspection and acceptance will be according to Materials I.M. 469.03.
- D. Furnish fertilizer of a type that can be uniformly distributed by the application equipment. Fertilizer may be chemically combined or may be furnished as separate ingredients. If supplying chemically combined fertilizer, have each unit of fertilizer chemically combined. Ensure the manufacturer's guarantee indicates compliance with this agreement. If supplying fertilizer as separate ingredients, comply with the following:
 - Each of the separate ingredients of uniform size,