

INVITATION FOR BID

408.13.02.028

**2013 Beulah/Zap Material Testing Phase 14
AML Project**

ND014

Mercer County, North Dakota

Abandoned Mine Lands Division

North Dakota Public Service Commission

Bismarck, North Dakota

February 2013

INVITATION FOR BID
2013 Beulah/Zap Material Testing Phase 14 AML Project
ND014
Mercer County, ND
Bid Number 408.13.02.028

FOREWORD

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FOREWORD

This is an Invitation for Bid (IFB) to perform material testing services for a drilling and grouting project at an Abandoned Mine Lands (AML) site. This AML site contains abandoned underground coal mines and is located near Beulah/Zap, North Dakota.

The 2013 Beulah/Zap Phase 14 AML Project is the fourteenth phase of reclamation projects that have occurred over many years. The 2013 Beulah/Zap Phase 14 project area includes areas along state and county highways, adjacent township roads, and private property and structures as further described:

- ND Highway 200 right-of-way extending eastward approximately 1¼ miles from the intersection of Highways 200 and 49, along the lines between Sections 12 and 13, T144N, R88W, and Sections 7 and 18, T144N, R87W;
- 60th Avenue Southwest between Section 12, T144N, R88W, and Section 7, T144N, R87W;
- The Curt Michaelson farmstead in the NE¼ of Section 12, T144N, R88W; and,
- Other areas as directed by the Project Manager.

The North Dakota Public Service Commission (Commission or PSC) is interested in bids from qualified material testing firms to test grout mixtures that will be used to fill underground mine voids and to perform other associated work items. Work must be completed as specified during the 2013 construction season.

To bid, submit the required materials to the Public Service Commission no later than **11:00 a.m. Central Daylight Time, April 22, 2013**. The public bid opening will be held in the Commission Hearing Room, 11:00 a.m. Central Daylight Time, April 22, 2013, 12th floor, State Capitol, Bismarck, North Dakota.

Any inquiries regarding the Invitation for Bid should be in writing and addressed to William E. Dodd, Procurement Officer, North Dakota Public Service Commission, 600 E. Boulevard Ave., Dept. 408, Bismarck, North Dakota 58505-0480.

This document can be accessed from the State Procurement Internet website, **www.nd.gov/spo/**. Please be informed that maps, drilling information and other attachments may be excluded from the materials on the Internet and the Commission makes no guarantee of completeness, accuracy or availability of Internet documents.

Part I.

General Information



INVITATION FOR BID
 State of North Dakota
 OMB/Central Services Division
 SFN 2464 (5-2006)

North Dakota Public Service Commission
 Abandoned Mine Lands Division
 600 East Boulevard Avenue, Dept 408
 Bismarck, ND 58505-0480
 PH: 701-328-4096

Bid Number: 408.13.02.028	Bid Title: 2013 Beulah/Zap Phase 14 Material Testing AML Project	
Date Issued: March 4, 2013	Procurement Officer: Bill Dodd	
Deadline for Questions: 5:00 p.m. Central Daylight Time April 12, 2013	Telephone: 701-328-4101	Fax: 701-328-2410
Bid Opening Date and Time: April 22, 2012, 11:00 a.m. Central Daylight Time, 12 th Floor Commission Hearing Room	E-mail: wdodd@nd.gov	
Performance Period: May 28 to August 26, 2013 (approximate)	Commodity or Service: 992-Testing & Calibration, Subclass 34 962-Miscellaneous Services, Subclass 73	

You are invited to participate in this Invitation for Bid. Please submit your bid response in conformance with the instructions specified herein.

By submitting a bid response, the vendor agrees and promises to sell, furnish, and deliver to the State all commodities and services contained in this Invitation for Bid for which a contract is awarded by the State. The vendor shall fully perform the contract in accordance with the all specifications, terms and conditions, and requirements contained in the Request for Bid and shall comply with all applicable provisions of the North Dakota Century Code Chapters 54-44.4, 46-02, 44-08 and North Dakota Administrative Code Chapter 4-12, made a part of the Invitation for Bid and contract by reference.

Written acceptance of the vendor's bid response by the State, by issuance of a purchase order or contract, constitutes a binding contract made and entered into by and between the State of North Dakota, acting through the Purchasing Agency named above, and the vendor named below:

Vendor Company Name:			
Street Address:			
P.O. Box:	City	State:	Zip Code:
Toll Free Telephone:	Telephone:	Fax:	
Federal I.D. or Social Security No.:		E-Mail:	
Type or Print Name of Person Signing:		Title:	
Authorized Signature:			

MAILING INSTRUCTIONS

Mail a completed and signed Invitation for Bid document in a sealed envelope to the address listed below. Invitation for Bid documents received after the date and time specified in the Invitation for Bid, will be rejected. Address the envelope containing your response in the following manner:

BID TITLE	2013 Beulah/Zap Material Testing Phase 14 AML Project
BID NUMBER	408.13.02.028
BID OPENING DATE	April 22, 2013
BID OPENING TIME	11:00 a.m. Central Daylight Time
AGENCY	PUBLIC SERVICE COMMISSION 600 EAST BOULEVARD AVE DEPT 408 BISMARCK ND 58505-0480

Bidder Checklist. Have you remembered to:

- Review all instructions, terms and conditions, and specifications to ensure your bid response complies?
- Double check your bid price(s)?
- Prepare your bid price in the specified unit of measure, F.O.B. Destination, Freight Prepaid to the delivery location listed on the cover sheet?
- Sign your bid and the Invitation for Bid form?
- Initial any alterations or corrections?
- Attach bid bond and MBE/WBE Certification?
- Addressed envelope as indicated?

Bidder's Instructions

1. **Addition of Terms and Conditions.** Additional terms and conditions submitted with a bid response are of no effect unless accepted in writing by the Purchasing Agency. Bids with any additional terms and conditions may be rejected as non-responsive.
2. **Assistance to Bidders with a Disability.** Bidders with a disability that need an accommodation must contact the Procurement Officer prior to the deadline for receipt of bids so that reasonable accommodation can be made.
3. **Bid Held Firm.** Bids are not awarded at the bid opening. Bid responses will be firm for 60 days, unless otherwise specified by the Procurement Officer in writing.
4. **Bid Opening.** All bids received by the time and date of the bid opening will be publicly opened by the Purchasing Agency at **11:00 a.m. Central Daylight Time, April 22, 2013**, in the Commission Hearing Room on the 12th floor of the State Capitol in Bismarck, North Dakota. Interested parties are invited to attend the bid opening.

5. **Bid Results.** Bidders desiring a copy of the bid results are instructed to request such and include a self-addressed, stamped, envelope or email address with their bid response. Bid results will be mailed when an award decision is made. Bidders may also obtain bid results or arrange to review the bid file by contacting the Purchasing Agency.
6. **Corrections.** The vendor's authorized representative must initial any corrections and alterations (i.e. erasers, whiteouts, correction tape, etc.) made to the bid response. Those bid responses with corrections and alterations that are not initialed are subject to confirmation by the Procurement Officer.
7. **Definitions:**
 - Bidder – any person or firm submitting a competitive bid in response to a solicitation.
 - Bid Results – a summary of all bid responses received and the award results.
 - Bid Response – the executed document submitted by a bidder in response to a solicitation.
 - Contractor – any person or firm having a contract with a governmental body.
 - Solicitation – the process of notifying prospective bidders that the state wishes to receive bids for furnishing goods or services.
8. **Facsimile Bids.** Bid responses faxed to the Purchasing Agency will be rejected. Bids may be faxed to a third party who shall put the bid in an envelope and deliver it to the Procurement Office before the date and time specified in the solicitation.
9. **Late Bids.** It is the bidder's responsibility to ensure that a bid response is physically deposited with the Purchasing Agency prior to the date and time specified for the opening. Late bid responses will not be opened and will be rejected regardless of the degree of lateness or the reason.
10. **Minor Informalities.** The State reserves the right to waive minor informalities in bid responses in accordance with North Dakota Administrative Code Chapter 4-12-10. Minor informalities are insignificant omissions or nonjudgmental mistakes that are matters of form rather than substance, evident from the bid document, with a negligible effect on price, quantity, quality, delivery, or contractual conditions that can be waived or corrected without prejudice to other bidders or offerors.
11. **New Equipment and Materials.** Unless otherwise indicated in the detailed specifications of this solicitation, all equipment and materials must be new and under current production for use in the United States.
12. **Prices, Currency.** All prices must be in United States currency.
13. **Pricing (Unit and Total Prices).** The unit price is to be according to the unit of measurement specified in the solicitation. In the event of mathematical differences between the unit price and extended total, the unit price will prevail.

14. **Protests.** An interested party may protest the solicitation within seven days before the bid opening or protest the Notice of Intent to Award or Award within seven days after receiving notice in accordance with North Dakota Century Code Chapter 54-44 and North Dakota Administrative Code Chapter 4-12-14. Notice of Award will be issued to those vendors that submit a bid. Seven calendar days after award or issuance of the Notice of Intent to Award to vendors that submitted a bid, it will be assumed that all interested parties knew or should have known all the facts surrounding the award.

15. **Questions and Clarifications.** All questions and requests for clarification regarding this solicitation must be addressed to the Procurement Officer. The requirements of this solicitation can only be altered by written amendment of the solicitation. Verbal communications from whatever source are of no effect. Questions must be received by **5:00 p.m. Central Daylight Time, April 12, 2013**, to allow the Procurement Officer to issue any needed amendments in sufficient time before the bid opening date.

16. **Review of the Bids.** After the bid opening, bids become subject to North Dakota open records laws. Interested parties may request public information and make arrangements to review the bid file by contacting the Procurement Officer during normal working hours, between 8:00 a.m. and 12:00 p.m. and 1:00 p.m. and 5:00 p.m., Monday through Friday.

17. **Rejection.** The State reserves the right to reject any and all bids in whole or in part. Bid responses will be rejected if:
 - the bid response is not legible.
 - the bid response is not completed as requested.
 - the bid response is faxed to the Purchasing Agency.
 - the bid response is not responsive to the specifications or other requirements of the solicitation.
 - the bid response is received after the time and date specified.
 - the bidder was required to be registered as an approved vendor by the deadline for receipt of bids, and failed to do so.
 - the bidder is determined to be not responsible, in accordance with North Dakota Administrative Code Section 4-12-11-04.

18. **Signature.** The bidder submitting the bid response or that bidder's duly authorized agent or representative must sign the bid response manually in ink. The name and title of the person signing the bid response must be typed or printed below the signature.

19. **Specifications, Brand Name or Equivalent.** Unless otherwise indicated in the detailed specifications of this solicitation, the use of a specific brand name or make and model is for illustrative purposes only, and the State will consider equivalent products. If a commodity or service put forth by a vendor is rejected as not being equivalent, the Procurement Officer will notify the bidder of the rejection.

20. **Specifications, Compliance.** All bids submitted in response to this Invitation for Bid must comply with the specifications contained herein, and the successful bidder will be held responsible. Noncompliance with specifications is grounds for rejection of the bid response. Bidders who desire to submit commodities or services that deviate from these specifications or have any objections to the specifications stated herein must contact the Procurement Officer in writing as soon as possible, so the Procurement Officer can determine whether the specifications need to be amended.
21. **Taxes.** The State does not pay sales tax or federal excise tax. The state sales tax exemption number is E-2001. The federal tax ID number is 45-0309764. The Purchasing Agency will furnish a tax exempt certificate upon request.
22. **Withdrawal or Changes to a Bid Response Prior to the Bid Opening Date and Time.** Before the bid opening date and time, the bidder's authorized representative may withdraw or change a bid response by making a written request to the Procurement Officer.
23. **Withdrawals After the Bid Opening Date and Time.** After the opening, no changes may be made to the bid response. The bidder may make a written request to withdraw the bid response, subject to approval by the Purchasing Agency. Bidders repeatedly withdrawing bids after the opening date may be removed from the State Bidders List.

GENERAL TERMS AND CONDITIONS

1. **Affirmative Action.** The Contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees without regard to discrimination by reason of race, color, religion, sex, national origin or physical handicap.
2. **Applicable Law and Venue.** This contract is governed by and construed in accordance with the laws of the State of North Dakota. Any action to enforce this contract must be brought in the District Court of Burleigh County, North Dakota.
3. **Assignments and Subcontracts.** Contractor may not assign or otherwise transfer or delegate any right or duty without the State's express written consent. However, the Contractor may enter into subcontracts provided that any such subcontract acknowledges the binding nature of this contract and incorporates this contract, including any attachments. Contractor is solely responsible for the performance of any subcontractor. Contractor has no authority to contract for or incur obligations on behalf of the State.
4. **Binding Contract.** The acceptance of a bid response in writing by the Purchasing Agency constitutes a contract between the bidder and the State. Written acceptance from the Purchasing Agency will be in the form of a purchase order, notification of award, or contract. Any oral agreement or arrangement by a bidder with a State employee or Purchasing Agency will have no force or effect unless reduced to writing.
5. **Compliance with Laws.** The Contractor must, in performance of work under this contract, fully comply with all applicable federal, state, or local laws, rules and regulations. The Contractor must comply with the provisions of all appropriate federal laws, including Title VI of the Civil Rights Act of 1964. Any subletting or subcontracting by the Contractor subjects subcontractors to the same provisions.
6. **Compliance with Public Records Law.** Contractor understands that, except for disclosures protected by law, the State must disclose to the public upon request any records it receives from the contractor. Contractor further understands that any records that are obtained or generated by the Contractor under this contract, except for records that qualify for protection under an exception to the North Dakota open records law, may, under certain circumstances, be open to the public upon request under North Dakota open records law. Contractor agrees to contact the State immediately upon receiving a request for information under the open records law and to comply with the State's instructions on how to respond to the request.
7. **Confidentiality.** Contractor agrees not to use or disclose any information it receives from the State under this contract that the State has previously identified as

confidential or exempt from mandatory public disclosure except as necessary to carry out the purposes of this contract or as authorized in advance by the State. The State agrees not to disclose any information it receives from Contractor that the Contractor has previously identified as confidential and which the State determines in its sole discretion is protected from mandatory public disclosure under a specific exception to the North Dakota open records law. The duty of State and Contractor to maintain confidentiality of information under this section continues beyond the term of this contract, or any extensions or renewals of it.

8. **Contract Amendment.** After a binding contract has been entered into, no changes (i.e. substitution of product or a price adjustment) may be made, unless prior approval has been obtained from the Purchasing Agency.
9. **Inspection and Investigations.** The State reserves the right to conduct inspections and investigations related to the Bidder and offered commodities or services, including but not limited to the firm, its facility, personnel, qualifications, and the commodities or/and services offered to make determinations regarding compliance with the bid requirements and responsibility of the vendor.
10. **Material and Workmanship.** All material and workmanship shall be subject to inspection and testing by the State either at: (1) the point of manufacturer; (2) place of storage; or, (3) upon receipt.
11. **Termination for Lack of Funding or Authority.** This contract shall become null and void, in total or in part, should the Legislature of the State of North Dakota fail to appropriate funds for any or all agencies, which are committed to the terms of this contract. Any such contract termination shall be at no cost to the State. This contract may also be terminated if funding from federal, state or other sources is not obtained and continued at levels sufficient to allow for work performed or purchases of the services or supplies in the indicated quantities or term.
12. **Termination of Contract.** Offerors must review the attached sample contract for termination provisions.

SPECIAL TERMS AND CONDITIONS

1. **Approved Vendor Registration.** Every person or business entity that desires to bid on contracts for commodities and services must be an approved vendor in order to be placed on the bidders list. Vendors must comply with the vendor registration requirements related to approved bidder registration as set forth in North Dakota Century Code Section 54-44.4-09 and this solicitation:

Vendors Must Be Approved Before Contract Award. Proposals will be accepted from vendors who are not currently approved vendors on the State's Vendor Database; however, the successful bidder or offeror will be required to become approved prior to award, in accordance with North Dakota Century Code Section 54-44.4-09. To become an approved vendor, you must: 1) be registered with the North Dakota Secretary of State (fees apply), and 2) submit a completed Bidders List Application to the ND State Procurement Office. Registration instructions and forms are available on-line at: <http://www.nd.gov/spo/>. Contact the ND State Procurement Office at 701-328-2683 or infospo@nd.gov for assistance. The successful bidder must register and become approved within sixty calendar days or shorter time specified in writing by the purchasing agency from the date of the Notice of Intent to Award. The bid or proposal may be rejected if the vendor fails to register within the specified time period.

Placement on the bidders list does not guarantee a vendor will receive notice of every formal solicitation. Vendors must maintain current information by submitting a Notice of Change form to the State Procurement Office (Fax 701-328-1615). Visit the website for forms: <http://www.nd.gov/spo/>.

2. **Award.** Award will be made to the responsible bidder with the lowest priced bid that is responsive to the specifications and all other requirements stated herein. Award will be made as follows:
 - i. All or none.
3. **Award, Local Service.** Service within 10 days after receipt of the Notice to Proceed is required. Vendor must have facilities or service providers within a commuting distance to meet this requirement.
4. **Bid Bond, Type.** No bid will be considered unless accompanied by a bidder's bond, certified check or cashier's check in a sum equal to five percent (5%) of the full amount of the bid. A bidder's bond must be executed by the bidder as principal and by a surety company authorized to do business in North Dakota as surety. A certified check or a cashier's check must be drawn on the Bank of North Dakota or a federally insured, solvent bank. If, within ten days after notice of an award, the successful bidder should fail to execute a contract with the owner, then the surety will pay unto the owner for the use and benefit of the owner five percent (5%) of the bid or bids on the contract on which there is a default or the certified check or cashier's check of the bidder will be forfeited to the owner.

The Commission will retain the bid bonds, cashier's check or certified check of the three (3) lowest bidders until an award is made. In the event that the lowest bidder submits a check, the check may be negotiated and the money retained by the owner until the contract has been awarded and properly executed. All other unsuccessful bidders will have their bid bonds, cashier's checks or certified checks returned immediately. The successful bidder and other low bidders whose bonds or checks are retained will have their bid bonds, certified checks or cashier's checks returned after the Commission has successfully contracted the work.

5. **Payment and Performance Bonds.** The bidder whose bid is accepted shall be required to enter into a written contract with the Commission and to furnish a performance bond, executed by a surety company authorized to do business in North Dakota, in an amount at least equal to one hundred percent (100%) of the total contract amount as security for the faithful performance of the contract and also a payment bond, executed by a surety company authorized to do business in North Dakota, in an amount at least equal to one hundred percent (100%) of the total contract amount as security for the payment of all persons performing labor on the project under the contract and furnishing materials in connection with the contract, including interest under North Dakota Century Code Section 13-01-14, for bills which are not paid within ninety (90) days. The bond must also provide, under North Dakota Century Code Section 65-04-10, that the Contractor has made, or will make, prior to the commencement of any work by the Contractor or any subcontractor under the contract, full and true report to Workforce Safety and Insurance of the payroll expenditures for the employees to be engaged in the work, and that the Contractor has paid, or will pay, the premium thereon prior to the commencement of work. Both bonds shall be executed on Commission-approved forms. Bonds must be secured from a company which has complied with the law and regulations of the U.S. Treasury Department and is acceptable as a surety or reinsurer of federal bonds under Sections 9304 to 9308 of Title 31 USC and appropriate statutes of the State of North Dakota. A list of qualified companies is published under Treasury Circular 570.
6. **Contract Period.** The contract or contracts issued as a result of this solicitation will be for the period from approximately June 1, 2013 to June 30, 2014.
7. **Estimated Volume.** The volume of this contract is estimated. Estimates are not to be considered as either a minimum or maximum, but rather an estimate based upon past and/or anticipated usage. The Contractor or contractors will be required to furnish actual requirements upon order. This contract will not include items of a similar nature, which must be bought for emergency use.
8. **Indemnification and Insurance Requirements.** Offerors must review the attached sample contract for indemnification and insurance requirements. The indemnification and insurance provisions are incorporated and made part of this solicitation and the resultant final contract. Objections to any of the provisions of the Indemnification and Insurance Requirements must be made in writing to the attention of the Procurement Officer by the time and date set for receipt of questions. No alteration of these provisions will be permitted without prior written

approval from the Purchasing Agency in consultation with the North Dakota Risk Management Division. Upon Notice of Award, the successful offeror must obtain the required insurance coverage and provide the Procurement Officer with proof of coverage prior to contract approval. The coverage must be satisfactory to the Purchasing Agency, in consultation with the North Dakota Risk Management Division. An offeror's failure to provide evidence of insurance coverage is a material breach and grounds for withdrawal of the award or termination of the contract.

9. **Payment Terms.** Payment will normally be made within thirty (30) days after delivery and acceptance of commodities or services under this contract and receipt of a correct invoice. All invoices and payment inquiries must be directed to the Purchasing Agency. Contractors may request payment any time during the contract period; however, it is expected that payment schedules will coincide with accounts payable processing on the 10th and 25th of each month. Invoices need to be submitted five (5) days prior to processing for review and to ensure timely payment. Invoices will not be considered without signature of the Contractor.
10. **Preservation of Markers.** The Contractor shall carefully preserve survey and control stakes and any other markers. In case of their destruction or loss, the Contractor shall be responsible for their replacement and any resulting damage including, but not limited to, any damages arising from mistakes that may be caused by the loss or disturbance of these stakes or markers.
11. **Pricing.** Pricing under this contract shall be as follows:
 - Firm Fixed.** The total bid price is to include all discounts and deductions, and is to be less federal and state taxes, for which exemption certificates will be furnished upon request. Pricing shall be firm for the period of the contract.
12. **Purchasing Cards.** The Purchasing Agency may place orders by issuance of a purchase order or may elect to place an order and make payment using a purchasing card. The Contractor will accept a purchasing card payment without passing the processing fees for the purchase card back to the Purchasing Agency.
13. **Safety Requirements.** The Contractor shall keep informed of and comply with all federal, state, and local laws, regulations, and other legal requirements governing the safety, health, sanitation, and performance of the contract in general. Offerors must review the attached sample contract for safety requirements.
14. **Standard Specifications.** Standard Specifications for AML Reclamation Projects (February 2000) outlines requirements and provisions for AML reclamation projects and is available upon request or can be viewed on the Commission's website at <http://www.psc.nd.gov/docs/guidelines/aml/aml-specifications.pdf>
15. **Time of Performance.** Project work will begin within ten (10) days of issuance of Notice to Proceed. The project performance period will be 90 consecutive calendar days. Time of performance shall be approximately from May 28, 2013 to August 26, 2013.

16. **Service Representative:** The Contractor must provide a dedicated service representative to provide support for this contract. The Contractor shall provide the name and contact information for the service provider. During the contract period, the Contractor shall notify the Procurement Officer in the event the Contractor's service representative changes.

NAME OF SERVICE REPRESENTATIVE:	
ADDRESS OF SERVICE REP:	
CITY & STATE & ZIP CODE:	
PHONE NUMBER:	
TOLL FREE NUMBER:	
FAX NUMBER:	
E-MAIL ADDRESS:	

SPECIAL TERMS AND CONDITIONS
Sample Contract

SAMPLE CONTRACT

Administrator:	State of North Dakota Public Service Commission State Capitol - 12th Floor Bismarck, ND 58505-0480 (701) 328-2400	
Date:		
_____	_____	_____
Randy Christmann Commissioner	Brian P. Kalk n Chairman	Julie Fedorchak Commissioner

Contractor		
Name		
Address	City/State/Zip	Phone
Typed Name	Title	
Signature	Date	

Agreement Information	
Contract No.:	_____
Start Date:	_____
End Date:	_____
Program Title:	_____
Type of Contract:	<input type="checkbox"/> Fixed Price <input type="checkbox"/> Cost Reimb. <input type="checkbox"/> Unit Price <input type="checkbox"/> Other

Budget Information	
Cost Center:	9000
Services:	_____
Optional on-site review:	_____
Expenses:	_____
ID	
Type of Contractor:	<input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Public Agency <input type="checkbox"/> Nonprofit Organization <input type="checkbox"/> Other

This contract is entered into between the State of North Dakota acting through the Public Service Commission (State) and XXX (Contractor). This contract consists of this sheet, general provisions and specific provisions.

GENERAL PROVISIONS

CONTRACTUAL FEATURES

LEGAL AUTHORITY

The Contractor assures that it possesses legal authority to participate in this contract.

ASSIGNMENT/SUBCONTRACTING

The Contractor may not assign this contract or any part thereof, or assign any of the monies to be paid hereunder, nor may any part of the work done or material furnished under this contract be sublet without the State's expressed written consent.

The Contractor may not enter into subcontracts for any of the work contemplated under this contract unless included in the specific provisions of this contract. Any such subcontract must acknowledge the binding nature of the contract and must incorporate this contract, including any attachments. Contractor is solely responsible for the performance of any subcontractor. Contractor shall not have the authority to contract for or incur obligations on behalf of the State.

TERMINATION

The State, by written notice of default listing causes and reasons, may terminate this contract in whole or in part if (1) the Contractor fails to provide services required by this contract within the time specified or any extension agreed to by the State; or (2) the Contractor fails to perform any of the other conditions or provisions of this contract, or so fails to pursue the work so as to endanger performance of this contract in accordance with its terms. The State will be liable only for payment provisions of this contract for services satisfactorily rendered prior to the effective date of termination.

Significant deviation from performance standards in this contract may result in reduced or terminated financial participation of the Contractor, subsequent to negotiations with the State.

This contract may be terminated in whole or in part without cause by mutual consent of the Contractor and the State. The parties shall agree upon the termination conditions including effective date and in the case of partial terminations, that portion to be terminated.

The State may terminate this contract effective upon delivery of written notice to the Contractor or on any later date stated in the notice in the event (1) funding from federal, state or other sources is not obtained and continued at levels sufficient to allow for work performed or purchases of the services or supplies in the indicated quantities or term; (2) federal or state laws or rules are modified or interpreted in a way that the services are no longer allowable or appropriate for purchase under this contract or are

no longer eligible for the funding proposed for payments authorized by this contract; or (3) any license, permit or certificate required by law or rule, or by the terms of this contract, is for any reason denied, revoked, suspended or not renewed.

Any contract that extends beyond the current biennium may be terminated by the State if sufficient funds are unavailable, if the law regarding the contract is changed or without cause at any time.

The rights and remedies of the State provided in the termination provisions related to defaults by the Contractor are not exclusive and are in addition to any other rights and remedies provided by law or under this contract.

FORCE MAJUEURE

Contractor will not be held responsible for delay or default caused by fire, riot, acts of God or war if the event is beyond the Contractor's reasonable control and the Contractor gives notice to the State immediately upon occurrence of the event causing the delay or default or which is reasonably expected to cause a delay or default.

RENEWAL

This contract will not automatically renew. State will provide written notice to Contractor of its intent to extend this contract for reasonable cause before the scheduled termination date.

DISPUTES

The Contractor agrees to attempt to resolve disputes arising from this contract by informal administrative process and negotiations in lieu of litigation. Continued performance by the Contractor during disputes is assured.

Any dispute concerning a question of fact arising under this contract which is not settled by the informal means shall be decided by the authorized representative of the Commission who shall reduce the decision to writing and mail or otherwise furnish a copy thereof to the Contractor.

The Contractor shall be afforded an opportunity to be heard and to offer evidence in support of an appeal. Pending final decision of a dispute, the Contractor shall proceed diligently with the performance of the contract and in accordance with the decision of the Commission.

The State does not agree to any form of binding arbitration, mediation, or other forms of mandatory alternative dispute resolutions. The parties have the right to enforce their rights and remedies in judicial proceedings. The State does not waive any right to a jury trial.

MERGER AND MODIFICATION

This contract constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this contract. This contract may not be modified, supplemented or amended, in any manner, except by written agreement signed by both parties.

SEVERABILITY

If any term of this contract is declared by a court having jurisdiction to be illegal or unenforceable, the validity of the remaining terms shall not be affected, and if possible, the rights and obligations of the parties are to be construed and enforced as if the contract did not contain that term.

NOTICE

All notices or other communications required under this contract shall be given by registered or certified mail and are complete on the date mailed when addressed to the parties at the following addresses:

State:

Darrell Nitschke, Executive Secretary
Public Service Commission
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480

Contractor:

APPLICABLE LAW AND VENUE

This contract is governed by and construed in accordance with the laws of the State of North Dakota. Any action to enforce this contract must be brought in the District Court of Burleigh County, North Dakota.

SPOILIATION – NOTICE OF POTENTIAL CLAIMS

Contractor shall promptly notify State of all potential claims that arise or result from this contract. Contractor shall also take all reasonable steps to preserve all physical evidence and information that may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and grants to the State the opportunity to review and inspect the evidence, including the scene of an accident.

INDEMNITY

Contractor agrees to defend, indemnify, and hold harmless the State of North Dakota, its agencies, officers and employees (State), from claims resulting from the performance of the Contractor or its agent, including all costs, expenses and attorneys' fees, which may in any manner result from or arise out of this agreement. The legal defense provided by Contractor to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Contractor also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

CONFIDENTIALITY

Contractor agrees not to use or disclose any information it receives from the State under this contract that the State has previously identified as confidential or exempt from mandatory public disclosure except as necessary to carry out the purposes of this contract or as authorized in advance by the State. The State agrees not to disclose any information it receives from Contractor that the Contractor has previously identified as confidential and which the State determines in its sole discretion is protected from mandatory public disclosure under a specific exception to the North Dakota Century Code Chapter 44-04. The duty of the State and Contractor to maintain confidentiality of information under this section continues beyond the term of this contract, or any extensions or renewals of it.

Contractor understands that, except for disclosures prohibited by law, the State must disclose to the public upon request any records it receives from Contractor. Contractor further understands that any records that are obtained or generated by the Contractor under this contract, except for records that qualify for protection under an exception to the North Dakota open records law, may, under certain circumstances, be open to the public upon request under North Dakota open records law. Contractor agrees to contact the State immediately upon receiving a request for information under the open records law and to comply with the State's instructions on how to respond to the request.

INSURANCE

- a. **Required Coverages.** Contractor shall secure and keep in force during the term of this agreement and Contractor shall require all subcontractors, prior to commencement of an agreement between Contractor and the subcontractor, to secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverage's:

- (1) Commercial general liability, including premises or operations, contractual, and products or completed operations coverage (if applicable), with minimum liability limits of \$250,000 per person and \$1,000,000 per occurrence.
- (2) Automobile liability, including Owned (if any), Hired and Non-Owned automobiles, with minimum liability limits of \$250,000 per person and \$1,000,000 per occurrence.
- (3) Workers compensation coverage meeting all statutory requirements. The policy shall provide coverage for all states of operation that apply to the performance of this contract.
- (4) Employer's liability or "stop gap" insurance of not less than \$1,000,000 as an endorsement on the workers compensation or commercial general liability insurance if Contractor is domiciled outside the State of North Dakota.

b. General Insurance Requirements. The insurance coverages listed above must meet the following additional requirements:

- (1) Any deductible or self insured retention amount or similar obligation under the policies shall be the sole responsibility of the Contractor. The amount of any deductible or self-retention is subject to approval by the State.
- (2) This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and must be placed with insurers rated "A-" or better by A.M. Best Company, Inc., provided any excess policy follows form for coverage. Less than an "A-" rating must be approved by the State. The policies shall be in form and terms approved by the State.
- (3) The State will be defended, indemnified, and held harmless to the full extent of any coverage actually secured by the Contractor in excess of the minimum requirements set forth above. The duty to indemnify the State under this agreement shall not be limited by the insurance required in this contract.
- (4) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed on the commercial general liability policy, including any excess policies (to the extent applicable), as additional insured. The State shall have all the benefits, rights and coverage's of an additional insured under these policies.
- (5) The insurance required in this agreement, through a policy or endorsement, shall include:
 - a. A "Waiver of Subrogation" waiving any right to recovery the insurance company may have against the State;
 - b. A provision that the policy and endorsements may not be canceled or modified without thirty (30) days' prior notice to the undersigned State representative;
 - c. A provision that any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08;
 - d. A provision that Contractor's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention

- maintained by the State, and that any insurance, self-insurance or self-retention maintained by the State shall be in excess of the Contractor's insurance and shall not contribute with it;
- e. Cross liability/severability of interest for all policies and endorsements;
 - f. The legal defense provided to the State under the policy and any endorsements must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary; and,
 - g. The insolvency or bankruptcy of the insured Contractor shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Contractor from meeting the retention limit under the policy.
- (6) The Contractor shall furnish a certificate of insurance and all endorsements to the undersigned State representative prior to commencement of this agreement. All endorsements shall be provided as soon as practicable.
- (7) Failure to provide insurance as required in this agreement is a material breach of contract entitling the State to terminate this agreement immediately.
- (8) If Contractor's insurance carrier cannot provide the insurance requirements listed above, Contractor will be required to purchase a project-specific insurance policy on behalf of State including but not limited to an Owner's Protective Liability insurance policy or a Project Management Protective Liability insurance policy with an occurrence limit of not less than \$1,000,000 and an aggregate of \$2,000,000. Said insurance shall be kept in force until the project is accepted by State.

SAFETY REQUIREMENTS

The Contractor shall keep informed of and comply with all federal, state, and local laws, regulations, and other legal requirements governing the safety, health, sanitation, and performance of the contract in general. In addition, the Contractor shall provide, inspect and maintain all safeguards, safety devices, protective equipment, safety programs and other needed actions the Contractor determines necessary to reasonably protect the life, health and property of the Contractor, subcontractors, the State, the public and each of the employees, officers, assigns and agents of the Contractor, subcontractors and the State, in connection with the performance of work resulting from or arising out of the contract.

The Contractor must have a written safety program to be used as guidelines and direction for the Contractor's and subcontractors' activities. This program must meet all federal, state and local laws, regulations and other legal requirements and include the following minimum provisions: (1) a worksite safety policy and mission statement; (2) assigned responsibilities among management, supervisors and employees; (3) a system for periodic self-inspections, including inspections of job sites, materials, work performance and equipment; (4) a thorough accident and injury reporting and investigation process; (5) a safety orientation program including first aid, medical attention, emergency facilities, fire protection and prevention, housekeeping, illumination, sanitation, personal protective equipment, and occupational noise

exposure; and, (6) a safety training program including safety "tool box" meetings and other systems for ongoing training and also including training for employees on the recognition, avoidance and prevention of unsafe conditions. Upon request by the Project Manager, a copy of the written safety program must be provided to the Commission.

It will be a condition of the contract, and must be made a condition of each subcontract entered into pursuant to that contract, that the State is assuming no liability relating to its receipt and review of the Contractor's safety plan or activities. Safety remains the responsibility of the Contractor. Furthermore, the right of the State to receive and review the safety plan or activities shall not give rise to a duty on the part of the State to exercise this right for the benefit of the Contractor or any other person or entity.

ATTORNEY FEES

In the event a lawsuit is instituted by the State to obtain performance due of any kind under this contract, and the State is the prevailing party, Contractor shall, except when prohibited by N.D.C.C. Section 28-26-04, pay the State's reasonable attorney fees and costs in connection with the lawsuit.

INDEPENDENT ENTITY

Contractor is an independent entity under this contract and is not a State employee for any purpose, including but not limited to the application of the Social Security Act, the Fair Labor Standards Act, the Federal Insurance Contribution Act, the North Dakota Unemployment Compensation Law and the North Dakota Workers' Compensation Act. The Contractor retains sole and absolute discretion in the manner and means of carrying out the Contractor's activities and responsibilities under this contract, except to the extent specified in the contract.

FISCAL RESPONSIBILITIES

RECORDS

All records, regardless of physical form, and the accounting practices and procedures of the Contractor relevant to this contract are subject to examination by the North Dakota State Auditor or the Auditor's designee. The Contractor shall maintain all of these records for at least three years following completion of this contract.

NO CLAIM FOR ADDITIONAL WORK

No claim for additional services not specifically herein provided, done, or furnished by the Contractor will be allowed, nor shall the Contractor do any work or furnish any material not covered by the contract, unless such work is ordered in writing by the State.

TIME KEEPING PROCEDURES

The Contractor shall require employees and subcontractors, if applicable, whose positions are funded under this contract or included as match, to maintain adequate documentation for services provided. For positions that are funded from more than one source, an analysis of duties performed by program shall also be prepared.

MONITORING, EVALUATION AND AUDIT

The Contractor agrees to cooperate with any monitoring, evaluating and/or audit conducted by the State, or their designees who shall have full access to and the right to examine all books, records and other relevant documents.

The Contractor agrees to take immediate corrective action on deficiencies disclosed through program monitoring of costs disallowed in the course of an audit, review, or monitoring.

PREPAYMENT

The State will not make any advance payments before performance by the Contractor under this contract. The Contractor will be compensated based on periodic submittal of progress reports and signed invoices.

TAXPAYER ID

The Contractor shall provide its federal employer ID number and the North Dakota tax ID number to the State upon executing this contract.

PROGRAM REQUIREMENTS

COMPLIANCE WITH LAWS

Contractor agrees to comply with all applicable laws, rules, regulations and policies, including but not limited to those relating to nondiscrimination, accessibility and civil rights. Contractor agrees to timely file all required reports, make required payroll deductions, and timely pay all taxes and premiums owed, including but not limited to sales and use taxes and unemployment compensation and workers' compensation premiums. Contractor shall have and keep current at all times during the term of this contract all licenses, registrations and permits required by law and shall be authorized to do business in the State of North Dakota.

EQUAL OPPORTUNITY

No individual shall be excluded from participation in, denied the benefits of, subjected to discrimination under, or denied employment in the administration of or in

connection with this contract because of race, color, disability, or political affiliation or belief.

The Contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, national origin, disability, age, sex, political affiliation or belief or citizenship.

NONDISCRIMINATION

This contract and any subcontract hereunder is subject to the Age Discrimination Act of 1975, Section 504 of the Rehabilitation Act, Title VI of the Civil Rights of 1964 and the Americans with Disabilities Act of 1990.

WORK PRODUCT, EQUIPMENT AND MATERIALS

All work product, equipment or materials created or purchased under this contract belong to the State and must be delivered to the State at the State's request upon termination of this contract. Contractor agrees that all materials prepared under this contract are "works for hire" within the meaning of copyright laws of the United States and assigns to State all rights and interests Contractor may have in the materials it prepares under this contract, including any right to derivative use of the material. Contractor shall execute all necessary documents to enable State to protect its rights under this section. Contractor shall include provisions appropriate to effectuate the purposes of this condition in all subcontracts entered into relating to this project.

BUY AMERICAN ACT

The Contractor agrees to comply with sections 2 through 4 of the Act of March 3, 1933 (41 U.S.C. 10a-10c, popularly known as the "Buy American Act".) This applies to all subcontractors and suppliers of the Contractor. The Contractor will include this clause in all agreements and contracts.

TERMS AND CONDITIONS OF INVITATION FOR BID

The terms and conditions of the Invitation for Bid issued for this project not specifically set forth in this contract are incorporated herein by reference.

EFFECTIVENESS OF CONTRACT

This contract is not effective until fully executed by both parties.

SPECIFIC PROVISIONS:

Standard Specifications for AML Reclamation Projects (February 2000).

Material Testing 2013 Beulah/Zap Phase 14 Invitation for Bid (February 2013)

PART II.
SPECIFIC PROVISIONS

- Sec. 100 Project Objective**
- Sec. 200 Scope of Work**
- Sec. 300 Provisions**
- Sec. 400 Utilization of Disadvantaged Business Enterprises**

100. PROJECT OBJECTIVE

The objective of this project is to perform material testing on grout mixtures that will be injected into underground mine workings, and other associated work items at the 2013 Beulah/Zap Phase 14 AML Project located near Beulah and Zap, North Dakota. The testing laboratory shall perform all tests described herein and any additional engineering tests as requested by the Commission Project Manager.

200. SCOPE OF WORK

The proposed scope of work for this project involves: 1) the collection and compressive strength testing of grout test cylinders (4" diameter x 8" length); 2) slump testing; 3) aggregate moisture testing; 4) batch plant inspection, and certification of the proportions and amount of grout components to ensure compliance with specified material component and performance parameters; and, 5) pre- and post-construction structural surveys and stress monitoring of buildings, structures and other areas in the project area. The material testing laboratory will need to provide a trailer (heated, if necessary) or other facility to allow for field curing of test specimens. The testing laboratory shall provide an on-site field representative for the life of the project. This representative shall:

1. Mold and cure test specimens for each 50 cubic yards of grout to be injected. There shall be 3 specimens collected for each test series (approximately 140 test series or 420 specimens).
2. Test the slump of the grout mixture periodically and during the making of each grout test specimens. Grout specimens shall also be tested for mix temperature, unit weight, and batch yield.
3. Test aggregate daily or as necessary to determine moisture content.
4. Certify by signing on delivery slips that ingredients in a truck-load conform to the proportions of the approved mixes. Collect bills of lading and mill certification reports on all grout material admixtures.
5. Collect and store samples of material components at least every 1,000 cubic yards. These samples shall be properly marked to correlate with bills of lading and mill certifications.
6. Collect and sample on-site aggregate for gradation every 1,000 cubic yards or as directed by the Project Manager. [Aggregate shall consist of hard, strong, durable particles free from deleterious materials and shall meet the following gradation requirements: *100% passing a 3/8" mesh sieve, 90% passing a no. 4 mesh sieve, 40-80% passing a no. 30 mesh sieve, and 5-25% passing a no. 200 mesh sieve.* The grout mix will consist of (per cubic yard) *100 lbs. Portland Cement, 600 lbs. Flyash, 70 oz. Superplasticizer, aggregate and water.*] Based on the initial aggregate gradation and moisture content, establish a baseline mix design to achieve a 10½ inch slump grout and yield of 27 cubic feet per cubic yard.

7. Perform batch plant inspections daily until grout quality control and material component control is established; and, thereafter at the request of the Project Manager. When it appears that material(s) furnished by the grouting contractor fail to meet the construction specifications, the field representative shall direct the attention of the Commission Project Manager to such failure. The testing laboratory shall act as the Project Manager's agent in all matters relating to material(s) testing and shall report to the Project Manager and take instructions only from the Commission Project Manager or his authorized representative.

The testing laboratory must test compressive strength in accordance with the latest ASTM Standards for 100% humidity curing. For each test series, one specimen shall be broken at 14 days, one at 28 days and one held in case additional testing is required. The break intervals for compressive strength testing may be adjusted at the direction of the Project Manager. The grouting contractor's material is required to achieve an unconfined compressive strength of 150 psi at 28 days. Additional testing will not be required once the specified compressive strength (150 psi) has been achieved on that particular test series.

The compression machine used for psi determination on this project shall comply with ASTM C39 for loading rate. Readout of gross load at failure must be accurate to within + or - 10 pounds.

The testing laboratory must furnish compressive test reports to the Project Manager that contains the following:

1. Cylinder identification number, date cast, and injection hole number.
2. Grout material components and proportions.
3. Grout slump, temperature and unit weight.
4. Yield (cubic foot/cubic yard).
5. Date delivered to the laboratory.
6. Date tested.
7. Gross load at failure (pounds) and compressive strength of specimen (psi).

A five (5) day work week (Monday through Friday) is expected. It is also expected that the grouting contractor will work 8-12 hours per day; however, daily and weekly work schedules may vary depending on the grouting contractor's work schedule.

From the time work commences on this project until completion, the testing laboratory shall furnish a field representative that during the normal work week will be used only on this project. **The field representative must be able to collect and transport grout samples and equipment in association with the project work areas.**

The contract and performance periods for material testing will be concurrent with those of the grouting contractor. The performance period is expected to start approximately May 28, 2013, and run for ninety (90) consecutive calendar days. The grouting contractor is required to provide the material testing firm with a minimum of three (3) days verbal notice prior to the start date of grout injection operations. Additionally, the grouting contractor will be required to provide the material testing firm with at least 12 hours of advance notice if no work is planned for the following regularly

scheduled work day.

300. PROVISIONS

The following special provisions apply:

A. MOBILIZATION

1. **Scope of Work** – This item consists of all necessary preparatory work and operations which will enable the testing laboratory to start and finish the project. This shall include, but is not limited to such items as equipment, supplies, facilities and other incidentals. Movement of any of these items to and from the project site, any construction or dismantling, and any cost incurred are considered part of this item.
2. **Method of Measurement** – Mobilization must be measured on a lump sum (L.S.) basis, and shall not exceed 20% of the total contract bid.
3. **Basis of Payment** – Payment will be made at the L.S. bid price. Partial payment of this item may be allowed as the project progresses and at the discretion of the Project Manager.

B. FIELD REPRESENTATIVE

1. **Scope of Work** – This item consists of providing a field representative to perform the material testing services outlined above. It is anticipated that the field representative will be required to be on-site approximately 40-60 hours per week during grout injection processes. It is estimated that approximately 325 hours will be required for field representative work.
2. **Minimum Qualifications** - The designated field representative must be able to collect grout samples and carry a minimum of 50 pounds. Field representatives must also be able to transport equipment and grout samples to various areas associated with the project work areas.
3. **Method of Measurement** – Field representative services must be measured on a per hour basis. Field representative hours shall be recorded daily in the field and submitted to the Project Manager or his representative weekly.
4. **Basis of Payment** – The hourly bid price will be the basis of payment for the field representative. Such payment shall constitute full payment for all labor, materials, equipment, site clean-up and any other incidentals including travel, meals and lodging required to complete the material testing work as specified. Travel time to and from the work site shall not be a consideration for payment under this line item.

C. LABORATORY TESTING

1. **Scope of Work** – The laboratory testing must include all work necessary to conduct the compressive strength and other tests on the material samples as specified above.
2. **Method of Measurement** – Compressive strength tests will be measured on a per series basis. Each series may contain up to three individual specimen breaks, but will require only sufficient testing (breaks) to determine the minimum grout psi requirement. It is anticipated that 140 series of samples will be tested.
3. **Basis of Payment** – The unit bid price per series will be the basis of payment for laboratory testing.

D. STRUCTURAL SURVEYS AND STRESS MONITORING

1. **Scope of Work** – Pre- and post-construction structural surveys and monitoring may be required in the project area as instructed by the Project Manager. The surveys will require interior and exterior inspections of structures, foundations, driveways, and surrounding areas prior to and after grout pumping by the material testing firm. Any evidences of stress such as cracking, settlement, or any other structural imperfections or deformities must be measured and recorded graphically, photographically and in narrative form. Crack monitors shall be installed in predetermined locations on visible cracks in the structures or foundations and these must be monitored at regular intervals during proximal grout pumping. Approximately four (4) crack monitors will be needed per unit.

Procedures for structural surveys must be approved by the PSC Project Manager prior to conducting the surveys. Surveys, inspections and installation of crack monitors must be performed by a professional engineer or other person with demonstrated expertise in the types of structural monitoring described.

The grouting contractor will be required to install laser level(s) in or near the structures during grout pumping. The material tester may be required to assist in monitoring the level.

A final report including all observations, measurements, maps, sketches, and photographs must be submitted to, and approved by the Project Manager before final payment is made. This report must provide sufficient information to determine whether grouting activities have caused any significant property damage. Interim reports and consultations may also be required. It is expected that structural surveys and stress monitoring will be required at and around approximately one (1) residence (including houses, garages, outbuildings, yards and driveways). Structural surveys may also be required along paved and unpaved roads and drives. A memo describing generalized structural survey methodology is attached to this document.

This bid item must be submitted on a **per unit basis**, as additional units may be added by the Project Manager depending on the results of exploratory drilling. **Units** shall be defined as 1) a residence and its associated outbuildings (garage, shed, barn, shop, etc.) and roads or drives (paved and unpaved) or 2) a specified portion of a paved or unpaved highway, road or drive.

2. **Method of Measurement** – Structural surveys and stress monitoring will be measured on a per unit basis and shall constitute full payment for all labor, materials, equipment, and anything else required to complete the work as specified.
3. **Basis of Payment** – Payment will be made for all additional units added by the Project Manager based on the submitted per unit bid price.

400. **UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES**

The current DBE information can be accessed on the NDDOT website, <http://www.dot.nd.gov/>.

PART III.
ATTACHMENTS

Project Location Map
Structural Survey Memo

2013 Beulah/Zap Phase 14 Proposed Sites General Overview Map of Site Locations near Beulah & Zap



**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

Memorandum

Subject: General Methodology for Structural Surveys

Over the past several years, the AML Division received questions from prospective Material Testing bidders regarding procedures for conducting pre- and post-construction structural surveys and stress monitoring. The scope of work for this bid item is dictated by the narrative in Section 300D of the Invitation for Bid document. This memo provides further clarification. It is a guideline rather than a set of requirements and reflects those methods that have been used successfully in past projects. The actual methodology used for structural surveys will be developed by the Contractor and must receive prior approval from the PSC Project Manager.

The objective of pre-construction structural surveys is to document and quantify the existing condition of structures and facilities prior to grout pumping operations. This must be done with sufficient detail and precision that, when the process is repeated after grout pumping operations, a determination can be made whether grouting has caused any property damage. All data gathered during the surveys must be recorded and incorporated in a final report. If structural damage is suspected during the grouting project, consultations and interim reports may also be required.

Structural surveys should include the following:

Visual Inspections and Investigations - Visual Inspections are conducted to check for cracking, settlement, heaving, or any other evidence of structural stress or deformities. Visual surveys should be conducted in basements, along walls and floors (especially where block or concrete is uncovered), along foundations, garages, driveways, outbuildings or slabs, and also along city streets, sidewalks, curbs, etc. Removal and replacement of rugs, furniture, and other items may be necessary. Cracks or other features should be measured with a caliper, crack comparator card, or other device sensitive to within 0.01 inch. The location of the measurement should be clearly marked and the dimensions of the crack recorded. It is best if the feature is identified with a letter/number designation so it can be precisely located and re-measured after grout pumping. High intensity lighting and a water mist can help to make cracks and other deformities more visible.

Investigations should be made to determine the location and apparent condition of water, sewer, electrical and gas lines, septic systems, sprinkler systems and any other structures of facilities that could be affected by grout injection. These locations should be delineated on site maps or drawings.

Crack Monitors - Crack monitors are simple gauges used to measure movement of

cracks in brick, concrete, or masonry structures. They should be securely installed on representative visible cracks where structural movement resulting from grouting operations may be expected to occur. They should be numbered for easy recording. Crack monitors cost about \$15.00 each and can be ordered from Avongard Products, Ltd., P.O. Box 50940, Irvine, CA 92619-0940, 800-244-7241; <http://www.avongard.com>. Crack monitors can be removed and reused when the project is completed.

Photographs, Charts and Maps - Photographs and/or digital recordings should be made of all structures inspected to document any structural defects identified in the visual inspections. These should clearly show any points where measurements have been made or crack monitors installed. Charts should be used to document each measurement and observation before and after construction. The location of these measurements or observations should be delineated on a map or drawings of the site.

Ongoing Stress Monitoring - The grouting contractor will be expected to take a primary role in this monitoring but the material tester may be asked to assist when not busy with grout testing. The grouting contractor will be required to install oscillating laser levels to provide continuous monitoring for structural movement during grout pumping operations. If the material tester notes any change in elevation or evidence of ground movement, surface jacking, or grout seeping to surface, he must immediately notify the grouting contractor or PSC Project Manager.

For information about structural surveys and monitoring, refer to the publication,

Structural Monitoring at a Pressurized Grout Remote Backfilling AMLR Project at

Beulah, North Dakota (2001). This is available upon request or can be accessed

under the heading, *Articles Written by AML Staff*, on the PSC website at

<http://www.psc.nd.gov/docs/amlarticles/structural-monitoring-at-a-pressurized-grout-project.pdf>.

PART IV.
BID FORMS

- 1. Bid Bond**
- 2. Minority and Women-Owned Business Enterprise and
Labor Surplus Area Concern Certifications**
- 3. Bid Forms**



BID BOND
PUBLIC SERVICE COMMISSION
ABANDONED MINE LANDS DIVISION
SFN 13657 (Rev. 12-99)

Principal
Surety
Penal Sum

KNOW ALL MEN BY THESE PRESENTS, that the above named Principal and Surety, are hereby held and firmly bound unto the North Dakota Public Service Commission on behalf of the State of North Dakota as OWNER in the penal sum stated above for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____ 20 ____.

The Condition of the above obligation is such that whereas the Principal has submitted to the North Dakota Public Service Commission a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for the _____

NOW, THEREFORE,

- a. If said BID shall be rejected, or
- b. If said BID shall be accepted and the Principal shall execute and deliver a contract (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and Surety have subscribed their name and affix their seals, the day and year first set forth above.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in North Dakota.

SFN 13657 (Rev. 12-99)

Witness as to Principal:	
	(Principal: Individual, Partnership, or Corporation) (SEAL)
BY	(Partner or President)
BY	(Partner or Secretary)
	(Surety) (SEAL)
BY	

Countersigned by:

North Dakota Resident Agent	P.O./Address
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**UTILIZATION OF MINORITY OR WOMEN-OWNED BUSINESS ENTERPRISES AND
LABOR SURPLUS AREA CONCERNS**
PUBLIC SERVICE COMMISSION
ABANDONED MINE LANDS DIVISION
SFN 16755 (Rev. 12-99)

The requirements of this Special Provision will govern over any other contract provisions which may be in conflict or contrary thereto:

1. The Contractor agrees to use its best efforts to utilize minority or women-owned business enterprises (M/WBE) in the award of its subcontracts and in procuring supplies and materials to the fullest extent consistent with the efficient performance of its contract. As used in this contract, the term "minority or women-owned business enterprise" means a business, at least 51 percent of which is beneficially-owned and controlled by minority groups or women or, in the case of publicly-owned businesses, at least 51 percent of the voting interest and 51 percent of the beneficial ownership interests are held by minority groups or women. For the purpose of this definition, minority means a person who is Black, Hispanic, Asian American, American Indian, or Alaskan Native. Attached to this IFB is a list of M/WBE Contractors and Suppliers certified in North Dakota as a reference source for bidders. Bidders are in no way limited to this M/WBE list for subcontracting opportunities to M/WBE Contractors.
2. The Contractor agrees to establish and conduct an affirmative action program to ensure that minority or women-owned business enterprises will have an equitable opportunity to compete for subcontracts and furnishing of supplies. In this regard, the contracts shall:
 - a. Designate a liaison officer who will administer the Contractor's M/WBE Program.
 - b. Give adequate and timely consideration to the capabilities of known minority or women-owned business enterprises.
 - c. Ensure that known minority or women-owned business enterprises will have equal opportunity to compete for subcontracts, particularly by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules.
 - d. Maintain records showing (1) procedures which have been adopted to comply with the policies set forth in this clause, including the establishment of a source list of minority or women-owned business enterprises, (2) awards to minority or women-owned business enterprises on the source list, and (3) specific efforts to identify and award subcontracts to minority or women-owned business enterprises.
 - e. Include this special provision "UTILIZATION OF MINORITY OR WOMEN-OWNED BUSINESS ENTERPRISES" with certifications in all subcontracts.
 - f. Cooperate with the State in any studies and surveys of the Contractors' minority or women-owned business enterprises procedures and practices that the State may conduct from time to time.
 - g. Submit periodic reports with respect to the records referred to in subparagraph (d) above, in such form and manner and at such times (not more often than quarterly) as the State may prescribe.
3. The Contractor agrees to use its best efforts to utilize labor surplus area firms in the award of subcontracts. The term "labor surplus area" means a geographical area identified by the Department of Labor as an area of concentrated unemployment or underemployment or an area of labor surplus. The term "labor surplus area" means a concern that, together with its first-tier subcontractor, will perform substantially in labor surplus areas. The term "perform substantially in labor surplus area" means that the costs incurred on account of manufacturing, production, or appropriate services in labor surplus areas exceed 50 percent of the contract price. Attached to this IFB is a list of labor surplus area counties in North Dakota as a reference source for bidders.

The Contractor agrees to establish and conduct a program which will encourage labor surplus area firms to compete for subcontracts within their capabilities. In this connection, the Contractor shall:

- a. Designate a liaison officer who will (1) maintain liaison with duly authorized representatives of the government on labor surplus area matters, (2) supervise compliance with the "Utilization of Labor Surplus Area Concerns" clause, and (3) administer the contractor's Labor Surplus Area Subcontracting Program;
- b. Provide adequate and timely consideration of the potentialities of labor surplus area concerns in all "make-or-buy" decisions;
- c. Assure that labor surplus area concerns will have an equitable opportunity to compete for subcontracts, particularly by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation of labor surplus area concern;
- d. Maintain records showing procedures which have been adopted to comply with the policies set forth in this clause; and
- e. Include the "Utilization of Labor Surplus Area Concerns" clause in subcontracts which offer substantial labor surplus area subcontracting opportunities.

Included in Parts 4, 5, and 6 - "BID FORMS" of this IFB are one M/WBE Subcontractor Certification, one M/WBE Supplier Certification, and one Labor Surplus Area Certification which must be completed by the bidder and returned with the bid package.

FAILURE TO COMPLETE AND RETURN THESE FORMS SHALL RESULT IN BIDDER DISQUALIFICATION.

4. M/WBE SUBCONTRACTOR CERTIFICATION (See Section 600 of Part III - Special Provisions)

TO BE ELIGIBLE FOR AWARD OF THIS CONTRACT, THE BIDDERS MUST EXECUTE ONE OF THE FOLLOWING CERTIFICATIONS:

Name of Company

NEGATIVE CERTIFICATION

The bidder does not intend to sublet any portion of the work. If later circumstances dictate subletting a part of the work, the requirement under the Affirmative Certification will be satisfied.

Signed By	Title	Date
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AFFIRMATIVE CERTIFICATION

The bidder intends to sublet a portion of the contract work and hereby certifies that it has an affirmative action program to seek out and consider minority business enterprises as potential subcontractors and to document the results of such contacts.

a. If work is to be subcontracted, provide a general description of items to be subcontracted.

b. The contacts made with potential Minority or Women-owned Business Enterprise subcontractors and the results thereof are listed below: (Use additional sheets if necessary)

Signed By	Title	Date
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5. M/WBE SUPPLIER CERTIFICATION (See Section 600 of Part III - Special Provisions)

TO BE ELIGIBLE FOR AWARD OF THIS CONTRACT, THE BIDDER MUST EXECUTE THE FOLLOWING CERTIFICATION:

Name of Company

The bidder hereby certifies that it has an affirmative action program to seek out and consider Minority or Women-owned Business Enterprises as potential suppliers and to document the results of such contacts. The contacts made with potential Minority or Women-owned Business Enterprise suppliers and the results thereof are listed below: (Use additional sheets if necessary)

Signed By	Title	Date
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6. LABOR SURPLUS AREA CERTIFICATION

TO BE ELIGIBLE FOR AWARD OF THIS CONTRACT, THE BIDDER MUST EXECUTE ONE OF THE FOLLOWING CERTIFICATIONS:

NEGATIVE CERTIFICATION

The bidder does not intend to sublet any portion of the work. If later circumstances dictate subletting a part of the work, the requirements under the Affirmative Certification will be satisfied.

Signed By	Title	Date
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AFFIRMATIVE CERTIFICATION

The bidder intends to sublet a portion of the contract work and hereby certifies that it has a labor surplus area concern program to seek out and consider potential subcontractors from labor surplus areas and to document the results of such contacts.

a. If work is to be subcontracted, provide a general description of items to be subcontracted.

b. The contacts made with potential Labor Surplus Area subcontractors and the results thereof are listed below: (Use additional sheets if necessary)

Signed By	Title	Date
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**MATERIAL TESTING
2013 BEULAH/ZAP PHASE 14
408.13.02.028
ND014**

MERCER COUNTY, NORTH DAKOTA

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity of Units</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
1.	Mobilization*	1	L.S. X	_____	= _____
2.	Field Representative	325	Hours X	_____	= _____
3.	Laboratory Testing	140	Series X	_____	= _____
4.	Structural Surveys	1	Units X	_____	= _____

Total (In Numbers) _____

Written Total _____

L.S. (Lump Sum)

*** This bid item shall not exceed 20% of the total contract bid**

Also enclosed in this package is a bid bond, certified check or cashiers check in the amount of:

Signed: _____

Typed or Printed Name