

South Portland

15636.00

MAINTENANCE & OPERATIONS

STATE PROJECT

BIDDING INSTRUCTIONS

1. Complete the bid forms with pen and ink.
2. The following are to be completed and returned with the bid:
 - a. A copy of the Notice to Contractors
 - b. A signed and dated copy of SPECIAL PROVISION 102.7.3
ACKNOWLEDGMENT OF BID AMENDMENTS
 - c. Two (2) copies of the completed and signed Contract Offer, Agreement, & Award form
 - d. The completed Contractor Information Sheet
3. For security and other reasons, all Bid Packages which are mailed to Maine Department of Transportation, 16 State House Station, Augusta, Maine 04330-0016, shall be provided in double (one envelope inside the other) envelopes. The *Inner Envelope* shall have the following information provided on it:

Bid Enclosed - Do Not Open

Title:

Town:

Date of Bid Opening:

Name of Contractor with mailing address and telephone number:

In Addition to the usual address information, the *Outer Envelope* should have written or typed on it:

Double Envelope: Bid Enclosed

Title:

Town:

Date of Bid Opening:

Name of Contractor:

Hand-carried Bids may be in one envelope, and should be marked with the following information:

Bid Enclosed: Do Not Open

Title:

Town:

Name of Contractor:

4. If a paper Bid is to be sent, Federal Express overnight delivery is suggested as the package is delivered directly to the DOT Headquarters Building in Augusta located at 24 Child Street in Augusta. Other means, such as U.S. Postal's Service Express Mail has proven not to be reliable.

January 30, 2004
Supercedes February 11, 2003

NOTICE

The Maine Department of Transportation is attempting to improve the way Bid Amendments/Addendums are handled, and allow for an electronic downloading of bid packages from our website, while continuing to maintain a planholders list.

Prospective bidders, subcontractors or suppliers who wish to download a copy of the bid package and receive a courtesy notification of project specific bid amendments, must provide an email address to Diane Barnes or Mike Babb at the MDOT Contracts mailbox at: MDOT.contracts@maine.gov. Each bid package will require a separate request.

Additionally, interested parties will be responsible for reviewing and retrieving the Bid Amendments in their bids using the Acknowledgement of bid Amendment Form.

The downloading of bid packages from the MDOT website is not the same as providing an electronic bid to the Department. Electronic bids must be submitted via <http://www.BIDX.com>. For information on electronic bidding contact Larry Childs at Larry.Childs@maine.gov.

NOTICE

Bidders:

Please use the attached “Request for Information” form when faxing questions and comments concerning specific Contracts that have been Advertised for Bid. Include additional numbered pages as required. Questions are to be faxed to the number listed in the Notice to Contractors. This is the only allowable mechanism for answering Project specific questions. Maine DOT will not be bound to any answers to Project specific questions received during the Bidding phase through other processes.

Vendor Registration

Prospective Bidders must register as a vendor with the Department of Administrative & Financial Services if the vendor is awarded a contract. Vendors will not be able to receive payment without first being registered. Vendors/Contractors will find information and register through the following link –

<http://www.maine.gov/purchases/vendorinfo/vss.htm> .

**STATE OF MAINE DEPARTMENT OF TRANSPORTATION
NOTICE TO CONTRACTORS**

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bids for Concrete Culvert Invert Lining in the city of **SOUTH PORTLAND**" will be received from contractors at the Reception Desk, Maine DOT Building, Child Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on **April 29, 2009** and at that time and place publicly opened and read. Bids will be accepted from all bidders. The lowest responsive bidder must have completed, or successfully complete, a bridge project prequalification, or project specific prequalification to be considered for the award of this contract. **We now accept electronic bids for those bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. Please note: the Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening.** Until further notice, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: Maine State Project , PIN 15636.00

Location: In Cumberland County, project is located in South Portland on I295, Ramp 5 & & over Red Brook

Outline of Work: Structural Concrete Culvert Invert Lining and other incidental work.

For general information regarding Bidding and Contracting procedures, contact Scott Bickford at (207)624-3410. Our webpage at http://www.maine.gov/mdot/contractor-consultant-information/contractor_cons.php contains a copy of the schedule of items, Plan Holders List, written portions of bid amendments (not drawings), and bid results. For Project-specific information fax all questions to **Gail MacMunn** at (207)624-3431. Questions received after 12:00 noon of Monday prior to bid date will not be answered. **There will be no Bid Bond, Performance Bond or Payment Bond required.** Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. Hearing impaired persons may call the Telecommunication Device for the Deaf at 888-516-9364.

Bid proposal packages are available at <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php> Bid proposal packages can also be obtained at no cost at the MaineDOT building in Augusta, Maine or by telephone at 207-624-3536 between the hours of 8:00 A.M. and 4:30 P.M.

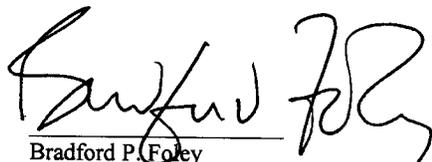
Each Bid must be made upon blank forms provided by the Department.

This Contract is subject to all applicable Federal Laws.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, Revision of December 2002", price \$10 [\$13 by mail], and Standard Details, Revision of December 2002, price \$20 [\$25 by mail]. Standard Detail updates can be found at http://www.maine.gov/mdot/contractor-consultant-information/contractor_cons.php

The right is hereby reserved to the MDOT to reject any or all bids.

Augusta, Maine
April 8, 2009


Bradford P. Foley
Program Manager
Highway Program

SPECIAL PROVISION 102.7.3
ACKNOWLEDGMENT OF BID AMENDMENTS

With this form, the Bidder acknowledges its responsibility to check for all Amendments to the Bid Package. For each Project under Advertisement, Amendments are located at <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php> It is the responsibility of the Bidder to determine if there are Amendments to the Project, to download them, to incorporate them into their Bid Package, and to reference the Amendment number and the date on the form below. The Maine DOT will not post Bid Amendments any later than noon the day before Bid opening without individually notifying all the planholders.

Amendment Number	Date

The Contractor, for itself, its successors and assigns, hereby acknowledges that it has received all of the above referenced Amendments to the Bid Package.

CONTRACTOR

Date

Signature of authorized representative

(Name and Title Printed)

NOTICE TO CONTRACTORS - PREFERRED EMPLOYEES

Sec. 1303. Public Works; minimum wage

In the employment of laborers in the construction of public works, including state highways, by the State or by persons contracting for the construction, preference must first be given to citizens of the State who are qualified to perform the work to which the employment relates and, if they can not be obtained in sufficient numbers, then to citizens of the United States. Every contract for public works construction must contain a provision for employing citizens of this State or the United States. The hourly wage and benefit rate paid to laborers employed in the construction of public works, including state highways, may not be less than the fair minimum rate as determined in accordance with section 1308. Any contractor who knowingly and willfully violates this section is subject to a fine of not less than \$250 per employee violation. Each day that any contractor employs a laborer at less than the wage and benefit minimum stipulated in this section constitutes a separate violation of this section. [1997, c. 757, §1 (amd).]

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and _____

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **PIN 15636.00, for the Construction of Structural Concrete Culvert Lining in the city of South Portland, County of Cumberland, State of Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time

The Contractor agrees to complete all Work, except warranty work, on or before **October 1, 2009.**

C. Price

The LUMP SUM Bid Price will be the original Contract amount, and that the amount of this offer is _____

\$_____.

D. Contract

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details, Revision of 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, and Contract Agreement. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details, Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, and Contract Agreement contained herein for construction of: **PIN 15636.00, for the Construction of Structural Concrete Culvert Lining in the city of South Portland**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract".

The Offeror agrees to perform the work required at the price specified above and in strict accordance with the terms of this solicitation, and to provide the appropriate insurance if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents, including Section 109.

Second: To begin the Work as stated in Section 107.2 of the Standard Specifications, Revision of December 2002, and complete the Work within the time limits given in the Special Provisions of this Contract.

Third: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Fourth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award

Your offer is hereby accepted. This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bradford P. Foley,
Program Manager, Highway Program

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and _____

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **PIN 15636.00, for the Construction of Structural Concrete Culvert Lining in the city of South Portland, County of Cumberland, State of Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time

The Contractor agrees to complete all Work, except warranty work, on or before **October 1, 2009.**

C. Price

The LUMP SUM Bid Price will be the original Contract amount, and that the amount of this offer is _____

\$_____.

D. Contract

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details, Revision of 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, and Contract Agreement. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details, Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, and Contract Agreement contained herein for construction of: **PIN 15636.00, for the Construction of Structural Concrete Culvert Lining in the city of South Portland**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract".

The Offeror agrees to perform the work required at the price specified above and in strict accordance with the terms of this solicitation, and to provide the appropriate insurance if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents, including Section 109.

Second: To begin the Work as stated in Section 107.2 of the Standard Specifications, Revision of December 2002, and complete the Work within the time limits given in the Special Provisions of this Contract.

Third: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Fourth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award

Your offer is hereby accepted. This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bradford P. Foley,
Program Manager, Highway Program

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and (Name of the firm bidding the job) a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at (address of the firm bidding the job)

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. 1224.00, for the Hot Mix Asphalt Overlay in the town/city of South Nowhere, County of Washington, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before November 15, 2006. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is (Place bid here in alphabetical form such as One Hundred and Two dollars and 10 cents)
\$ (repeat bid here in numerical terms, such as \$102.10) Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

PIN 1234.00 South Nowhere, Hot Mix Asphalt Overlay

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications Revision of 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

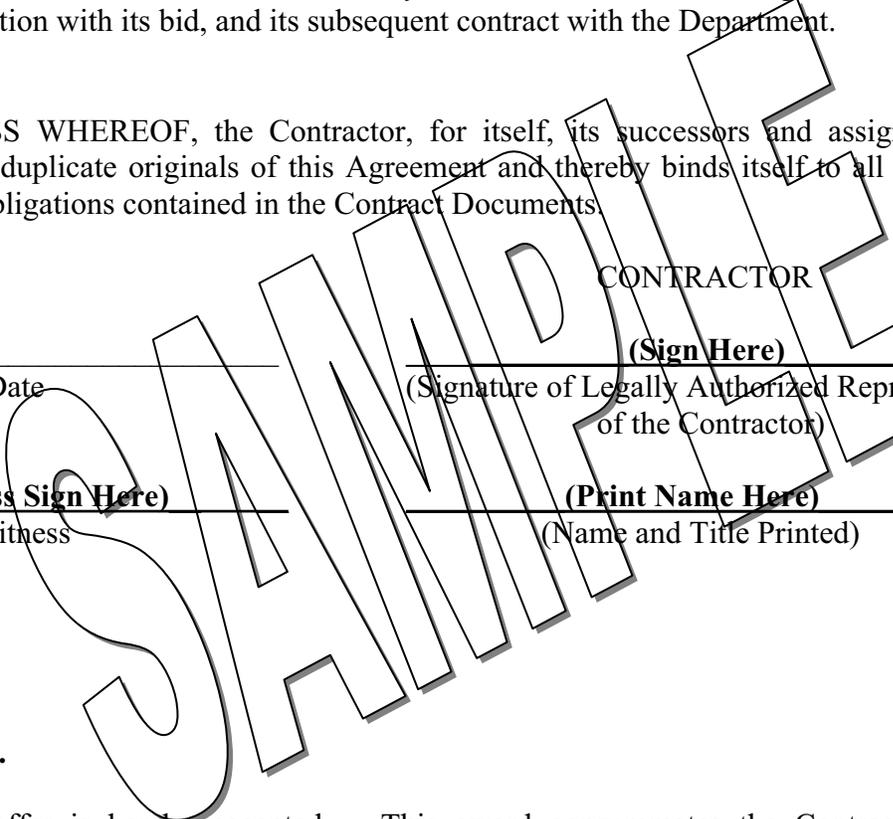
Date

(Witness Sign Here)
Witness

(Sign Here)
(Signature of Legally Authorized Representative of the Contractor)

(Print Name Here)
(Name and Title Printed)

CONTRACTOR



G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

(Witness)

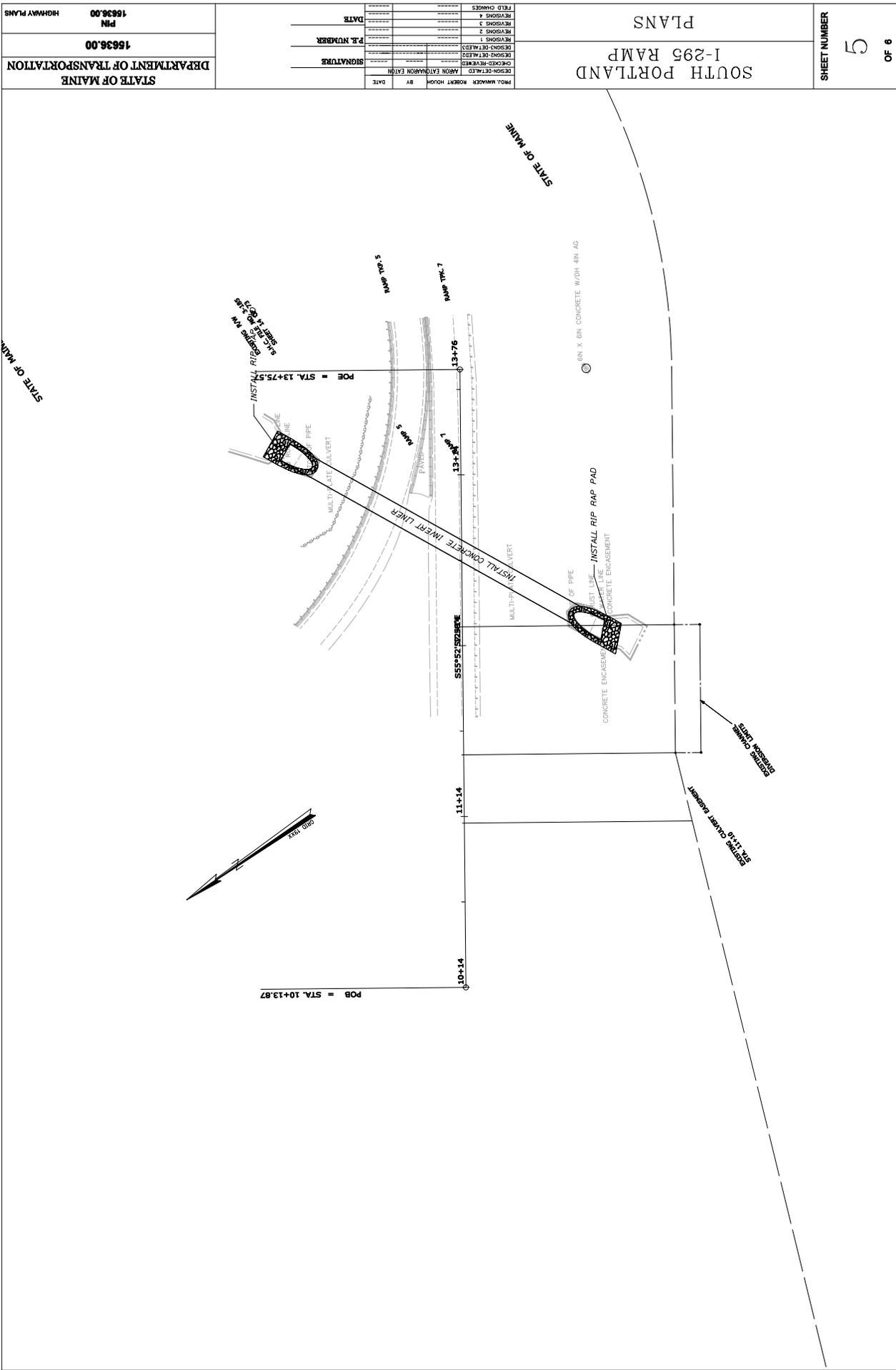
South Portland
15636.00
Shotcrete

SPECIAL PROVISION
SCOPE OF WORK

The contract lump sum price shall be full compensation for the structural concrete invert lining which shall include mobilization, preparation of existing surfaces, installation of machine bolts or studs, spot painting of corroded areas with an MC Zinc Primer with MC Urethane with a Mox Tar Topcoat, the application by pneumatic pressure of a shotcrete mix, application of asphalt emulsion, clean up and demobilization and furnishing all materials, equipment, labor, and incidentals necessary to complete the work. Shotcrete shall be placed to line and grades shown on plans.

The Department will provide traffic control.

The Department will provide soil erosion and water pollution control.



SHEET NUMBER
C
OF 6

SOUTH PORTLAND
I-295 RAMP
PLANS

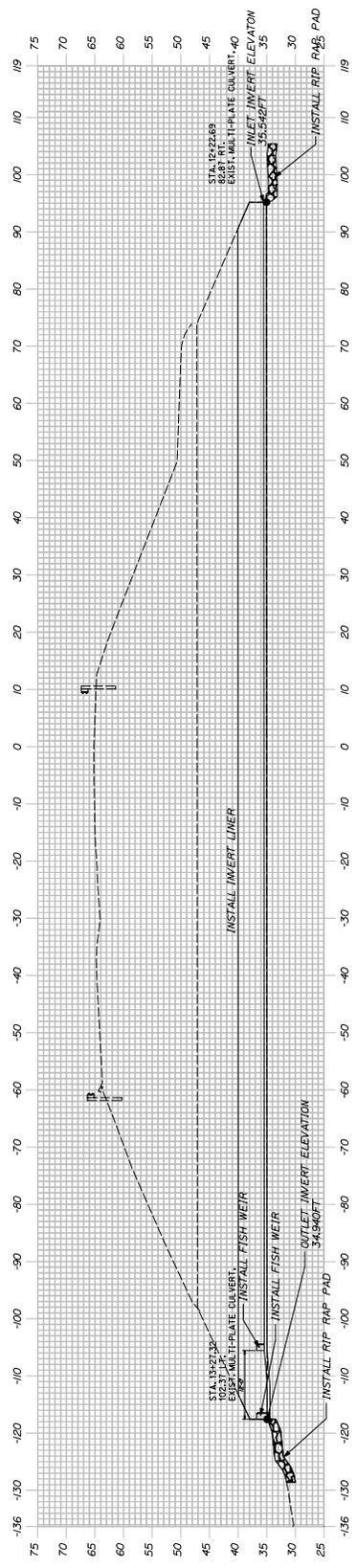
PROJ. NUMBER	ARON EATON/TON EATON
DESIGN NUMBER	
DATE	
REVISIONS	
REVISIONS 4	
REVISIONS 3	
REVISIONS 2	
REVISIONS 1	
REVISIONS 0	
DATE	
P.E. NUMBER	
SIGNATURE	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PIN 16636.00
HIGHWAY PLANS

PROJ. NUMBER	ROBERT HOUGH	BY	DATE
DESIGNER/REVISION			
SIGNATURE			
P.E. NUMBER			
DATE			

SOUTH PORTLAND
I-295 RAMP
CROSS SECTIONS

SHEET NUMBER
6
OF 6



12-69.50

Sta. 12+69.50 to Sta. 12+69.50

SPECIAL PROVISION SECTION 104
GENERAL RIGHTS AND RESPONSIBILITIES

104.3.8A. Federal Wage Rates and Labor Laws Delete the entire section 104.3.8A.

104.3.8B State Wage Rates and Labor Laws The State wage rates enclosed apply to this project.

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 623-7906

Wage Determination - In accordance with 26 MRSA §1301 et. seq., this is a determination by the Bureau of Labor Standards, of the fair minimum wage rate to be paid laborers and workers employed on the below titled project.

Title of Project ----- South Portland, 15636.00

Location of Project -- South Portland, Maine in Cumberland County

**2009 Fair Minimum Wage Rates
 Highway & Earthwork Cumberland County**

<u>Occupation Title</u>	Minimum			<u>Occupation Title</u>	Minimum		
	<u>Wage</u>	<u>Benefit</u>	<u>Total</u>		<u>Wage</u>	<u>Benefit</u>	<u>Total</u>
Asphalt Raker	\$14.25	\$0.18	\$14.43	Hot Top Plant Operator	\$18.22	\$8.50	\$26.72
Backhoe Loader Operator	\$15.00	\$1.67	\$16.67	Ironworker - Structural	\$17.75	\$4.34	\$22.09
Blaster	\$16.00	\$4.22	\$20.22	Laborers/Helper/Tender	\$12.00	\$0.85	\$12.85
Bulldozer Operator	\$16.50	\$1.86	\$18.36	Laborer - Skilled	\$14.00	\$1.27	\$15.27
Cable Splicer	\$21.27	\$7.44	\$28.71	Line Erector - Power	\$19.00	\$4.80	\$23.80
Carpenter	\$18.00	\$2.15	\$20.15	Loader Op, Front-End	\$16.00	\$2.81	\$18.81
Carpenter - Rough	\$16.00	\$2.36	\$18.36	Mechanic - Maintenance	\$17.70	\$2.37	\$20.07
Cement Mason/Finisher	\$13.60	\$0.93	\$14.53	Painter	\$14.00	\$0.54	\$14.54
Concrete Mixing Plant Op	\$16.50	\$5.18	\$21.68	Paver, Bituminous	\$17.25	\$0.87	\$18.12
Concrete Pump Operator	\$19.63	\$3.25	\$22.88	Pipelayer	\$16.00	\$1.78	\$17.78
Crane Op =>15 Tons	\$20.38	\$4.94	\$25.32	Pump Installer	\$19.50	\$4.02	\$23.52
Crusher Plant Operator	\$17.50	\$3.24	\$20.74	Roller Operator, Earth	\$14.74	\$5.47	\$20.21
Driller, Rock	\$15.50	\$4.67	\$20.17	Roller Op, Pavement	\$15.00	\$3.57	\$18.57
Electrician, Licensed	\$21.00	\$4.61	\$25.61	Screed Operator	\$18.00	\$5.17	\$23.17
Electrician Hlpr (Licensed)	\$15.00	\$2.64	\$17.64	Sheet Metal Worker	\$16.75	\$7.21	\$23.96
Excavator Operator	\$17.93	\$2.33	\$20.26	Stone Mason	\$18.95	\$1.34	\$20.29
Fence Setter	\$12.75	\$1.11	\$13.86	Truck Driver, Light	\$15.75	\$2.13	\$17.88
Flagger	\$14.00	\$2.42	\$16.42	Truck Driver, Medium	\$14.00	\$0.74	\$14.74
Glazier	\$15.00	\$3.82	\$18.82	Truck Driver, Heavy	\$13.50	\$1.76	\$15.26
Grader/Scraper Operator	\$16.75	\$3.32	\$20.07	Truck Driver, Tractor Trlr	\$15.10	\$2.79	\$17.89
Hgway Wrkr/Guardrail Inst	\$16.08	\$2.37	\$18.45	Truck Driver, Mixer, Cemnt	\$12.45	\$0.25	\$12.70

The Laborer classifications include a wide range of work duties. Therefore, if any specific occupation to be employed on this project is not listed in this determination, call the Bureau of Labor Standards at the above number for further clarification.

Welders are classified in the trade to which the welding is incidental.

Apprentices - The minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

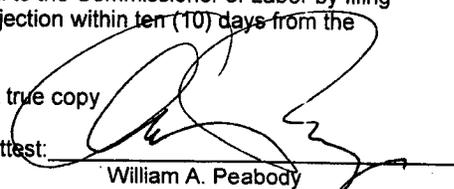
Posting of Schedule - Posting of this schedule is required in accordance with 26 MRSA §1301 et. seq., by any contractor holding a State contract for construction valued at \$50,000 or more and any subcontractors to such a contractor.

Appeal - Any person affected by the determination of these rates may appeal to the Commissioner of Labor by filing a written notice with the Commissioner stating the specific grounds of the objection within ten (10) days from the filing of these rates with the Secretary of State.

Determination No: HI-036-2009
 Filing Date: March 23, 2009
 Expiration Date: 12-31-2009

A true copy

Attest:


 William A. Peabody
 Director
 Bureau of Labor Standards

BLS 424HI (R2009) (Highway & Earthwork Cumberland)

**SPECIAL PROVISION
SECTION 107
Time
(Contract Time)**

1. The Department will give the Contractor two weeks notice prior to requiring the work to be completed.
2. The completion date for this project is October 1, 2009.
3. The contractor will not be allowed to work Saturdays.
4. The contractor shall contact Randy Bodge, Bridge Maintenance Supervisor, in order to coordinate the work in conjunction with work being done by State forces. The Maine DOT Region 1 phone number is 885-7000.

**SPECIAL PROVISION
SECTION 108
PAYMENT
(Payment and Invoices)**

Payment and Invoices The Department will pay the Contractor following the completion and final acceptance of the work: Invoices will be submitted to the Region 1 Office as described below.

Invoices shall be submitted by the Contractor to the Department for payment. Invoices shall include the following minimum information:

Contractor name, address & Contract Number
Invoice Date & Number
Dates of Service

The Department will pay based upon the invoices provided. The Department may request that the Contractor submit backup documentation including copies of receipts, invoices, and itemized payments to Subcontractors. No such payment will be made if, in the judgment of the Department, the Work is not in accordance with the provisions of the Contract. The Contractor agrees to waive all claims related to the timing and amount of such estimates.

The Acceptance by the Contractor of the final payment, as evidenced by cashing of the final payment check, constitutes a release to the Department from all claims and liability under the Contract. Upon Final Acceptance, the Contractor is released from further obligation, except for warranty obligations provided for in this Contract.

Payments to the Contractor shall be full compensation for furnishing all labor, Equipment, Materials, services, and Incidentals used to perform all Work under the Contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of any kind arising from the nature or prosecution of the Work. No payments due the Contractor will be adjusted for inflation. No interest shall be due and payable on any payment due the Contractor.

The Department may withhold payments claimed by the Contractor on account of:

- A. Defective Work,
- B. Damages for Non-conforming Work,
- C. Failure to provide the Department the opportunity to inspect the Work,
- D. Incomplete, Inaccurate or Incorrect Invoices
- E. Damage to a third party,
- F. Claims filed or reasonable evidence indicating probable filing of claims,
- G. Failure of the Contractor to make payments to Subcontractors or for Materials or labor,
- H. Regulatory non-compliance or enforcement,
- I. All other causes that the Department reasonably determines negatively affect the State's interest.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE CULVERT INVERT LINING
(Shotcrete)

Description The work shall include preparation of existing surfaces, installation of machine bolts or studs, spot painting of corroded areas, the application by pneumatic pressure of a shotcrete mix as indicated on the plans, and in accordance with this specification; and application of asphalt emulsion.

Shotcrete shall conform to all requirements of ACI 506.2 “Specifications for Materials, Proportioning, and Application of Shotcrete”, published by the American Concrete Institute, Detroit, Michigan, except as modified by the requirements of this project specification. Shotcrete shall consist of an application of one or more layers of mortar or concrete conveyed through a hose and pneumatically projected at a high velocity against a prepared surface.

Shotcrete shall be produced by either a dry-mix or a wet-mix process. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. The wet-mix shotcrete shall then be air jetted from the nozzle at high velocity onto the surface. Dry-mix process is shotcrete without mixing water which is conveyed through the hose pneumatically and the mixing water is introduced at the nozzle. For additional descriptive information, the Contractor’s attention is directed to the American Concrete Institute Standard “Guide to Shotcrete (ACI 506R-90)”.

Qualifications The work shall be performed by fully qualified personnel experienced in this type of work.

1. The foreman shall have at least five years of shotcrete experience and at least two years as a nozzleman.
2. The nozzleman shall have at least two years recent experience of satisfactory work as a nozzleman.
3. Evidence of the foreman and nozzleman’s experience of satisfactory work in similar capacities elsewhere shall be provided.

Materials All materials for shotcrete shall conform to the following requirements.

Cement	AASHTO M-85, ASTM C150, Type I, II, III or IV.
Fine Aggregate	AASHTO M-6, ASTM C33 clean, natural.
Coarse Aggregate	AASHTO M-80, Class B for quality.
Water	Potable, clean, and free from substances deleterious to concrete and steel or elements that would stain.
Chemical Admixtures	ASTM C1141 and the following:
Water-reducer	AASHTO M-194, Type A, D, F, G or
Superplasticizer	ASTM C494 Type A, D, F, G

Air-Entraining Agent	AASHTO M-194/ASTM C260
Plasticizers	AASHTO M-194 Type A, D, F, G or ASTM C494
Mineral Admixtures	
Fly Ash	AASHTO M-295, ASTM C618 Type F or C
Silica Fume	ASTM C1240, 90% minimum silicon dioxide solids content, not to exceed 12% by weight of cement. In addition, silica fume shall conform to the requirements of Section 502.
Polypropylene Fibers	ACI Standard, Polypropylene Fibers, 25 mm[1 in] in length, 0.89 kg/m ³ [1½ lb/yd ³]
Steel Fibers	ASTM A820 Type I, II, or III, Deformed, Steel Fibers, 25 mm to 35mm [1 in to 1 ¾ in] in length, minimum aspect ratio of 60.
Curing Compounds	AASHTO M-148 Type 1 D of Type 2
Pre-packaged Shotcrete	ASTM C928

The shotcrete shall contain polypropylene fibers. The use of other admixtures shall not be used unless approved by the Resident. Admixtures used to entrain air, to reduce water-cement ratio, to retard or accelerate setting time, or to accelerate the development of strength, shall be thoroughly mixed into the shotcrete at the rate specified by the manufacturer unless specified otherwise. Accelerating additives shall be compatible with the cement used, be non-corrosive to steel and shall not promote other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients shall not exceed 0.10% when tested to AASHTO T260.

Premixed and pre-packaged concrete products specifically manufactured as a shotcrete product may be provided for on-site mixed shotcrete if approved by the Resident. The packages shall contain materials conforming to the materials portion of this specification.

Stud welded shear connectors or machine bolts shall be installed in accordance with Section 505 of the Standard Specifications, except that Section 505.04 shall be ignored.

Materials Storage and Handling Materials shall be delivered, stored, and handled to prevent contamination, segregation, corrosion, or damage. Liquid admixtures shall be stored to prevent evaporation and freezing.

Cement shall be adequately stored to prevent moisture degradation and partial hydration. Cement that has become caked or lumpy shall not be used.

Aggregates shall be stored so that segregation and the inclusion of foreign materials are prevented. The bottom 150 mm [6 in] of aggregate piles in contact with the ground shall not be used.

Submittals The following submittals shall be provided by the Contractor for the Resident's review and approval. The Contractor will not be allowed to begin culvert repairs until all submittal requirements are satisfied and found acceptable to the Resident. Changes or

deviations from the approved submittals must be resubmitted for approval. Adjustments in contract time will not be allowed for incomplete submittals.

At least 21 calendar days prior to initiating the work, the Contractor shall submit to the Resident the following:

1. Written documentation of the foreman's and nozzleman's qualifications and the proposed method of shotcrete placement.
2. Shotcrete mix design including:
 - a) Brand and type of Portland Cement used.
 - b) Source, gradation, and quality of aggregates as specified herein.
 - c) Proportions of mix by weight.
 - d) Proposed admixture, manufacturer, dosage, technical literature (when admixture allowed).
 - e) Compressive strength test results from the manufacturer's records, no older than six months, verifying the 28 day compressive strength.

Shotcrete Mix Design Aggregate for shotcrete shall meet the strength and durability requirement of AASHTO M-80 and M-43 and shall meet the following gradation requirements.

<u>Sieve Size</u>	<u>% Passing by Weight</u>
12.5 mm [1/2 in]	100
9.5 mm [3/8 in]	90 – 100
4.75 mm [No. 4]	70 – 85
2.36 mm [No. 8]	50 – 70
1.18 mm [No. 16]	35 – 55
600 um [No. 30]	20 – 35
300 um [No. 50]	8 – 20
150 um [No. 100]	2 – 10

- A. Proportioning Shotcrete shall be proportioned and delivered with a minimum cement content of 386 kg/m³ [650 lb/yd³].
- B. Strength Requirements Shotcrete shall be proportioned to produce a mix capable of attaining 35 Mpa [5000 psi] compressive strength in 28 days.
- C. Mixing and Batching Mixing equipment shall be capable of thoroughly mixing the materials in sufficient quantity to maintain the placing continuity. Shotcrete shall be batched, delivered and placed within 90 minutes of mixing.

Construction Requirements The construction sequence shall be in accordance with the approved submittal, unless otherwise approved by the Resident.

- A. Equipment
 1. The shotcreting equipment selected must be capable of metering the mix through a hose to the nozzle for projecting at high velocity onto the surface to be shotcreted.

2. The gun shall be either the double chamber or the rotary type capable of continuous delivery of material. Gaskets in the equipment must be kept in good condition to avoid reduced pressure and consequent reduced velocity of material through the hose.
 3. The air compressor may be any standard type capable of sufficient pressures and volume of air to convey the material through the longest hose delivery. The air compressor capacity must have allowance for air used in removing rebound and other incidental work. The air hose shall be equipped with filters to prevent any oil or grease from contaminating the shotcrete.
 4. Water pressure shall be maintained at a minimum 103.42 kPa [15 psi] higher than the highest air pressure required for placing the material. Both air and water pressure shall be uniformly steady.
- B. Surface Preparation The Contractor shall sandblast all areas from 25 mm [1 in] below the top of shotcrete lining to 150 mm [6 in] below lowest row of shear connectors. The Contractor shall remove all loose materials, rust, scale, oil, and deleterious material from all remaining receiving surfaces to receive shotcrete by methods acceptable to the Resident. The removal shall be accomplished in such a manner as not to loosen, crack, or shatter the surfaces to receive the shotcrete. Any surface material, which in the opinion of the Resident, is so loosened or damaged shall be removed to a sufficient depth to provide a base that is suitable to receive the shotcrete. Material that loosens as the shotcrete is applied shall be removed. No shotcrete shall be placed on frozen surfaces.
- All areas of section loss above the concrete shall be sandblasted and painted with an MC Zinc Primer with MC Urethane with a Mox Tar Topcoat.
- C. Shotcrete Alignment Control The Contractor shall ensure that the thickness of shotcrete satisfies the minimum thickness shown on the design drawings using alignment wires, thickness control pins, or other means acceptable to the Resident.
- D. Delivery and Application In the areas of the culvert, where the metal is non-existent, a preliminary placement of shotcrete shall be made to fill all voids adjacent to the extremity of the lines of the metal. The final placement is to be made over this preliminary placement to full depth.

The shotcrete shall be applied from the lower part of the work area upwards to prevent accumulation of rebound on uncovered surfaces. Rebound shall not be worked back into the placement nor shall the rebound be salvaged. Rebound which does not fall clear of the working area shall be removed. The nozzle shall be held at an angle approximately perpendicular to the working face and at a distance so that rebound will be minimal and compaction will be maximized. Thickness, methods of support, air pressure, and rate of placement of shotcrete shall be controlled to prevent sagging or sloughing of freshly applied shotcrete.

The shotcreting procedure may be corrected by adjusting the nozzle distance and orientation perpendicular to the surface, adjusting the water content of the shotcrete mix or other means acceptable to the Resident. Retempering of the mix will not be permitted.

The shotcreted surface shall be broomed and roughened to insure proper bond of subsequent layers.

The upstream and downstream ends of the invert slab shall taper down from 125 mm [5 in] to 50 mm [2 in] minimum (measured from the top of the corrugations, inside the culvert) at each end of the culvert. The taper will be approximately 200 mm [8 in] long at each end of the culvert.

All horizontal edges of exposed concrete shall be sealed with an asphalt emulsion which extends onto the culvert at least 25 mm [1 in].

- E. Defective Shotcrete Surface defects shall be repaired as soon as possible after initial placement of the shotcrete. All shotcrete which lacks uniformity, which exhibits segregation, sagging, honeycombing, or lamination, or which contains any voids or sand pockets shall be removed and replaced with fresh shotcrete by the Contractor in accordance with this specification and to the satisfaction of the Resident.

A clearly defined pattern of continuous horizontal or vertical ridges or depressions at the reinforcing elements after they are covered will be considered an indication of insufficient cover of reinforcement or poor application and probable void. In this case, the application of shotcrete shall be immediately suspended and the work carefully inspected by the Resident. The Contractor shall implement and complete corrective measures prior to resuming the shotcrete operations.

- F. Reinforcement All reinforcement shall be secured in place to prevent displacement during the shotcrete application.
- G. Finish Shotcrete finish shall be a natural gun finish. Scraping or cutting to remove high spots shall not be done until the shotcrete has become stiff enough to withstand the pull of the cutting device.
- H. Weather Limitations Shotcrete shall not be placed without cold weather protection when the ambient temperature is below 4.5° C [40° F] and falling and/or when the shotcrete is likely to be subjected to freezing temperatures before a minimum strength of 4.8 Mpa [700 psi]. Cold weather protection shall be maintained until the strength of the in-place shotcrete is greater than 5.2 Mpa [750 psi]. Cold weather protection shall include heating under tents, blankets, or other means acceptable to the Resident. The temperature of the shotcrete, when deposited, shall be above 10° C [50° F] but less than 32° C [90° F].

Shotcrete application shall also be suspended during high winds and heavy rains when, in the opinion of the Resident, the quality of the application is not acceptable. Newly placed shotcrete exposed to rain that washes out cement or otherwise makes the shotcrete unacceptable to the Resident shall be removed and replaced. The Contractor shall provide adequately secured polyethylene sheeting or equivalent when adverse exposure to weather is anticipated.

- I. Curing An approved curing cover (or compound) shall be applied within 18 hours after finishing. After surface water has evaporated from the finished surface, shotcrete exposed to sunlight shall be immediately treated for curing. Finished shotcrete shall be cured for a minimum of 48 hours before flushed with water, unless otherwise directed by the Resident, and flush water must be collected as per Section 656.

Safety Requirements Appropriate eye and dust protection equipment shall be used during shotcrete application. Cement and other admixtures are caustic and may cause eye, skin, and respiratory irritation unless safety measures are taken. Adequate ventilation shall be required. Nozzlemen and helpers shall as a minimum be equipped with gloves, respirators, eye protection and adequate protective clothing during the application of shotcrete. The Contractor is responsible for meeting all Federal, State, and Local Safety Code Requirements.

Method of Measurement The shotcrete for the culvert invert lining, satisfactorily applied and accepted in accordance with the dimensions shown on the plans, will be measured as one lump sum unit.

Basis of Payment The accepted shotcrete for the culvert invert lining will be paid for at the contract lump sum price for Structural Concrete Culvert Invert Lining. The contract lump sum price shall be full compensation for preparing surfaces, installing machine bolts or studs, spot painting of corroded areas with an MC Zinc Primer with MC Urethane with a Mox Tar Topcoat, applying shotcrete, applying of asphalt emulsion, and furnishing all materials, equipment, labor, and incidentals necessary to complete the work.

Shotcrete admixtures including silica fume will not be paid for directly, but shall be incidental to the related contract item.

The containment and disposal of pollutants during surface preparation and during shotcrete application will not be paid for directly, but shall be incidental to the related contract items.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
502.325 Structural Concrete Culvert Invert Lining	Lump Sum

SPECIAL PROVISIONS

SPECIAL PROVISION SECTION 102 BIDDING

102.6 Bid Guaranty Delete the entire section 102.6.

SPECIAL PROVISION SECTION 103 AWARD AND CONTRACTING

103.5.1 Performance and Payment Bonds Delete the entire section 103.5.1.

SPECIAL PROVISION SECTION 105 GENERAL SCOPE OF WORK

Delete the entire section 105.3 and replace with the following:

105.3 Traffic Control and Management The Department will provide traffic control.

Delete the entire section 105.8.1 and replace with the following:

105.8.1 Temporary Soil Erosion and Water Pollution Control The Department will provide soil erosion and water pollution control.

SPECIAL PROVISION SECTION 107 TIME

Delete the entire section 107.4 and replace with the following:

107.4.1 General Duty of Contractor The Contractor is solely responsible for the planning and execution of Work in order to complete the Work within the Contract Time.

SPECIAL PROVISION SECTION 109
CHANGES

109.1.2 Substantial Changes to Major Items Delete the entire section 109.1.2.

SPECIAL PROVISION SECTION 110
INDEMNIFICATION, BONDING AND INSURANCE

110.3.2 Commercial General Liability Change the first sentence from: "...commercial general liability insurance in an amount not less than \$1,000,000.00 per occurrence and \$2,000,000.00 in the Aggregate" to "commercial general liability insurance in an amount not less than \$100,000.00 per occurrence and \$400,000.00 in the Aggregate".

110.3.3 Automobile Liability Change the second sentence from: "... minimum limit of liability under this section shall be \$1,000,000.00 per occurrence" to "...minimum limit of liability under this section shall be \$300,000.00 per occurrence".