

AUGUSTA STATE AIRPORT

**Engineered Material Arresting System (EMAS)
Repair: Re-taping Joints**

Labor and Installation Only

WIN 18716.10

2015

Updated 11/05/14

STATE PROJECT

BIDDING INSTRUCTIONS

1. Use pen and ink to complete all paper bids.
2. As a minimum, the following are to be completed and must be received prior to the time of bid opening:
 - a. A copy of the Notice to Contractors
 - b. the completed Acknowledgement of Bid Amendments form
 - c. the completed Schedule of Items in Appendix A
 - d. two (2) copies of the completed and signed Contract Offer & Award form
 - e. The completed Contractor Information Sheet
 - f. Any other certifications or Bid requirements listed in the Bid Documents as due by Bid opening
3. Include prices for all items in the Schedule of Items
4. For security and other reasons, all Bid Packages which are mailed or sent express, 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:

5. If a paper Bid is to be hand carried, deliver directly to the Reception Desk using the “Public Entrance” which is located on the Capitol Street side of the DOT Headquarters Building in Augusta. <http://www.maine.gov/mdot/mainedotdirections.htm>. If a paper Bid is to be sent express, “FedEx First Overnight” delivery is suggested as the package is delivered directly to the DOT Headquarters Building, Mailroom, 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. If a paper bid is to be mailed, the mailing address is Maine Department of Transportation, 16 State House Station, Augusta, ME 04333-0016.
6. If you need further information regarding Bid preparation, call the DOT Contracts Section at (207) 624-3410. For complete bidding requirements, refer to Section 102 of the Maine Department of Transportation, Standard Specification, Revision of November 2014.

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 an optional plan holders 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 fill out the on-line plan holder registration form and provide an email address to 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 from our web site, and acknowledging receipt and incorporating those Bid Amendments in their bids using the Acknowledgement of Bid Amendment Form.

NOTICE

Bidders:

Please use the attached “Request for Information” form when submitting questions concerning specific Contracts that have been advertised for Bid, include additional numbered pages as required. RFI’s may be faxed to 207-624-3431, submitted electronically through the Departments web page of advertised projects by selecting the RFI tab on the project details page or via e-mail to RFI-Contracts.MDOT@maine.gov.

These are the only allowable mechanisms 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.

When submitting RFIs by Email please follow the same guidelines as stated on the “Request for Information” form and include the word “RFI” along with the Project name and Identification number in the subject line.

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/venbid/index.shtml>

CONTRACTOR INFORMATION

Contractor Name: _____

Mailing Address: _____

Vendor Customer Number: _____

Contact Information (Primary Contact): _____

Phone: _____ **Cell Phone:** _____

Fax: _____

Email: _____

Mailing Address (if different from above): _____

The company has the following organizational structure:

Sole Proprietorship

Limited Liability Company

Partnership

Joint Venture

Corporation

Other: _____

(Date)

(Signature)

(Name and Title Printed)

**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 AUGUSTA STATE AIRPORT - ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS) - REPAIR: RE-TAPING JOINTS - LABOR AND INSTALLATION ONLY in the city AUGUSTA." will be received from contractors at the Reception Desk, Maine DOT Building, Capitol Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on October 7, 2015 and at that time and place publicly opened and read. Bids will be accepted from all bidders. The lowest responsive bidder must demonstrate successful completion of projects of similar size and scope to be considered for the award of this contract.

Description: WIN 18716.10

Location: In Kennebec County, project is located in Augusta, at the Augusta State Airport, 75 Airport Road.

Outline of Work: Provide Labor and Equipment necessary to remove and re-tape joints on an existing EMAS and other incidental work.

For general information regarding Bidding and Contracting procedures, contact George Macdougall at (207) 624-3410. Our webpage at <http://www.maine.gov/mdot/contractors/> contains a copy of the Schedule of Items, Plan Holders List, written portions of bid amendments, drawings, bid results and an electronic form for RFI submittal. For Project-specific information fax all questions to **Rick Dubois** at (207) 624-3431, use electronic RFI form or email questions to RFI-Contracts.MDOT@maine.gov, project name and identification number should be in the subject line. Questions received after 12:00 noon of Friday prior to bid date will not be answered. 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. TTY users call Maine Relay 711.

Bid Documents, specifications and bid forms are available at <http://www.maine.gov/mdot/contractors/>. They may be seen at the Maine DOT Building in Augusta, Maine and at the Department of Transportation's Regional Offices In Augusta. They can be obtained at no cost at the Department at 24 Child Street, Augusta, ME, between the hours of 8:00 a.m. to 4:30 p.m., may be requested by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m, or from Maine Department of Transportation, Attn.: Mailroom, 16 State House Station, Augusta, Maine 04333-0016.

There will be no bid bonds, performance bonds or payment bond required.

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

This Contract is subject to all applicable State Laws.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, November 2014 Edition", price \$10 [\$15 by mail], and Standard Details, November 2014 Edition, price \$20 [\$25 by mail]. They also may be purchased by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Standard Detail updates can be found at <http://www.maine.gov/mdot/contractors/publications/>.

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

Augusta, Maine
September 23, 2015



RICK DUBOIS, DIRECTOR
MULTIMODAL OPERATIONS
BUREAU OF MAINTENANCE & OPERATIONS

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/contractors/> . 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)

CONTRACT, OFFER & AWARD
for State Funded Construction

This CONTRACT is made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (“Department” or “MaineDOT”), 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 _____ (“Contractor”) a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____, with a mailing address of _____, and a telephone number of _____ .

The Vendor Customer Number of the Contractor is _____.

The following attachments are hereby incorporated into this Contract by reference:

- Appendix A – Special Provision - Specifications of Work to be Performed
- Appendix B – Special Provisions for State Funded Construction
- Appendix C – Typical Installation Procedures

The Department and the Contractor, in consideration of the mutual promises set forth in this Contract (hereinafter “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, **WIN 18716.10, Augusta State Airport, EMAS – Repair – Labor Only**, in Maine (hereinafter “Work”). 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 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, 2015.**

The Department may deduct from moneys otherwise due the Contractor, Liquidated Damages. By executing the Contract, the Contractor acknowledges that such an amount is not a penalty and that the daily amount set forth in the Contract is a reasonable per diem forecast of damages incurred by the Department due to the Contractor's failure to Complete the Work within the Contract Time. Except as expressly provided otherwise in this Contract, the Contractor shall owe the Department Liquidated Damages in the per diem amount of \$100 per day for each Calendar Day that any portion of the Work remains incomplete after the Contract Time has expired. Permission for the Contractor to continue and finish Work after the Contract Time has expired shall not waive the Department's rights to assess Liquidated Damages.

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 that the amount of this offer is

WIN 18716.10 Augusta State Airport, EMAS – Repair – Labor Only,

(\$ _____).

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, November 2014 Edition, Standard Details Revision November 2014 Edition as updated through advertisement Sections 101, 102, 103 and 111, 112 Supplemental Specifications, Special Provisions, Appendices and Contract. 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 certifications required or set forth in the Bid, the Bid Documents and the Contract are still complete and accurate as of the date of this Bid.

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 has carefully examined the site of work, Bid Documents, Appendices, Special Provisions and the other Contract Documents for the Project **WIN 18716.10, Augusta – Airport, EMAS – Repair – Labor Only**, in Maine described above in Part A and is familiar with the Work necessary to perform the Contract for which this bid is being submitted. The Bidder, does 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 bid in the attached ‘Appendix A’.

First: Bidder agrees to perform extra work, not described in the Contract, which may be ordered by the Department, and to accept as full compensation the amount determined as provided in the contract documents or upon a Force Account basis as provided in the State of Maine Department of Transportation, Standard Specifications, November 2014 Edition, Section 109 and as addressed in the contract documents.

Second: Bidder understands that Work may commence upon Contract Execution, unless provided elsewhere in this contract and that Work must be completed within the time limits given in this Contract. Bidder further agrees to provide insurance as required by this Contract if this offer is accepted by MaineDOT in writing.

Third: 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 Contract, 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 executes two duplicate originals of this Contract 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)

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

(Date)

(Signature)

(Name and Title Printed)

CONTRACT, OFFER & AWARD
for State Funded Construction

This CONTRACT is made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (“Department” or “MaineDOT”), 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 _____ (“Contractor”) a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____, with a mailing address of _____, and a telephone number of _____ .

The Vendor Customer Number of the Contractor is _____.

The following attachments are hereby incorporated into this Contract by reference:

- Appendix A – Special Provision - Specifications of Work to be Performed
- Appendix B – Special Provisions for State Funded Construction
- Appendix C – Typical Installation Procedures

The Department and the Contractor, in consideration of the mutual promises set forth in this Contract (hereinafter “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, **WIN 18716.10, Augusta State Airport, EMAS – Repair – Labor Only**, in Maine (hereinafter “Work”). 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 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, 2015.**

The Department may deduct from moneys otherwise due the Contractor, Liquidated Damages. By executing the Contract, the Contractor acknowledges that such an amount is not a penalty and that the daily amount set forth in the Contract is a reasonable per diem forecast of damages incurred by the Department due to the Contractor's failure to Complete the Work within the Contract Time. Except as expressly provided otherwise in this Contract, the Contractor shall owe the Department Liquidated Damages in the per diem amount of \$100 per day for each Calendar Day that any portion of the Work remains incomplete after the Contract Time has expired. Permission for the Contractor to continue and finish Work after the Contract Time has expired shall not waive the Department's rights to assess Liquidated Damages.

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 that the amount of this offer is

WIN 18716.10 Augusta State Airport, EMAS – Repair – Labor Only,

(\$ _____).

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, November 2014 Edition, Standard Details Revision November 2014 Edition as updated through advertisement Sections 101, 102, 103 and 111, 112 Supplemental Specifications, Special Provisions, Appendices and Contract. 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 certifications required or set forth in the Bid, the Bid Documents and the Contract are still complete and accurate as of the date of this Bid.

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 has carefully examined the site of work, Bid Documents, Appendices, Special Provisions and the other Contract Documents for the Project **WIN 18716.10, Augusta – Airport, EMAS – Repair – Labor Only**, in Maine described above in Part A and is familiar with the Work necessary to perform the Contract for which this bid is being submitted. The Bidder, does 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 bid in the attached ‘Appendix A’.

First: Bidder agrees to perform extra work, not described in the Contract, which may be ordered by the Department, and to accept as full compensation the amount determined as provided in the contract documents or upon a Force Account basis as provided in the State of Maine Department of Transportation, Standard Specifications, November 2014 Edition, Section 109 and as addressed in the contract documents.

Second: Bidder understands that Work may commence upon Contract Execution, unless provided elsewhere in this contract and that Work must be completed within the time limits given in this Contract. Bidder further agrees to provide insurance as required by this Contract if this offer is accepted by MaineDOT in writing.

Third: 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 Contract, 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 executes two duplicate originals of this Contract 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)

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

(Date)

(Signature)

(Name and Title Printed)

CONTRACT, OFFER & AWARD
for State Funded Construction

This CONTRACT is made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (“Department” or “MaineDOT”), 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 firm bidding the job**) _____ (“Contractor”) a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at (**Physical address of firm bidding the job**) _____ with a mailing address of (**Mailing address of firm bidding the job**) _____, and a telephone number of (**Phone number**) _____.

The Vendor Customer Number of the Contractor is (**State of Maine VC number**) _____.

The following attachments are hereby incorporated into this Contract by reference:
Appendix A – Special Provision - Specifications of Work to be Performed
Appendix B – Special Provisions for State Funded Construction

The Department and the Contractor, in consideration of the mutual promises set forth in this Contract (hereinafter “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, WIN **12345.00 PROJECT EXPANSION**, in **SOME TOWN**, Maine (hereinafter “Work”). 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 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 _____, **20XX**.

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 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) _____.

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, November 2014 Edition, Standard Details Revision November 2014 Edition as updated through advertisement Sections 101, 102, 103 and 111, 112 Supplemental Specifications, Special Provisions, Appendices and Contract. 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 certifications required or set forth in the Bid, the Bid Documents and the Contract are still complete and accurate as of the date of this Bid.
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 has carefully examined the site of work, the Plans, Bid Documents, Appendices, Special Provisions and the other Contract Documents for the Project PROJECT EXPANSION located in SOME TOWN, Maine described above in Part A as WIN 12345.00 and is familiar with the Work necessary to perform the Contract for which this bid is being

submitted. The Bidder, does 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 bid at the unit prices in the attached 'Appendix A'.

First: Bidder agrees to perform extra work, not described in the Contract, which may be ordered by the Department, and to accept as full compensation the amount determined as provided in the contract documents or upon a Force Account basis as provided in the State of Maine Department of Transportation, Standard Specifications, November 2014 Edition, Section 109 and as addressed in the contract documents.

Second: Bidder understands that Work may commence upon Contract Execution, unless provided elsewhere in this contract and that Work must be completed within the time limits given in this Contract. Bidder further agrees to provide insurance as required by this Contract if this offer is accepted by MaineDOT in writing.

Third: 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 Contract, 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 executes two duplicate originals of this Contract and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

(Date Here)

(Date)

(Sign Here)

(Signature of Legally Authorized Representative of the Contractor)

(Print Name here)

(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)

(Signature)

(Name and Title Printed)

SAMPLE

**APPENDIX A
SPECIAL PROVISION
SPECIFICATIONS OF WORK TO BE PERFORMED**

Contractor _____

Bid prices must be quoted as specified on this worksheet. The Department will reject bids if any one of the following occurs:

- a) the Bid is not Delivered to the precise location and by the precise time set forth in the Notice to Contractors or any applicable Bid Amendment,
- b) the Bid is not signed
- c) the lump sum price for any item is not provided or is unreadable
- d) the Bid contains any handwritten changes to the bid documents such as: additional charges for transportation, supplemental fees or surcharges

The Bidder will have no opportunity to cure the above Non-curable Bid Defects. For clarification, questions, comments/recommendations use the “Request for Information” form as directed in the Bid Book instructions. For a related provision see Standard Specification, Section 102.11 – Bid Responsiveness.

SCHEDULE OF ITEMS

Item Description	Approx. Quantity and Units	Unit Price	Bid Amount (1 x Unit Price)
AUGUSTA STATE AIRPORT EMAS – REPAIR – LABOR ONLY			
Item 1 – Augusta – Airport EMAS – Repair – Labor Only	1 LUMP SUM	LUMP SUM	\$
TOTAL BID – August Airport – EMAS Repair – Labor Only			\$

Description The work shall consist of removal of all the existing seam seal and side coating and Re-Sealing of all seams and sides of the EMAS with extruded PVC. Work is to be performed at the Augusta State Airport located at 75 Airport Road, Augusta Maine in accordance with these contract documents.

Location Physical address for each location is as follows:

Augusta State Airport
75 Airport Road
Augusta Maine

Construction The work covered by this Section of the specifications includes the furnishing of labor, equipment, transportation, permits, and incidentals and the performing of operations required to provide a complete repair of the EMAS arrester beds.

Work shall be in accordance with this contract, applicable local ordinances and applicable industry standards.

The facility will be open and operational to current employees during repairs. The Contractor shall take all necessary precautions within the construction limits of this project to ensure that the public is adequately protected at all times. All work areas shall be cleaned, signed, lighted and any other safety devices implemented as determined by field conditions.

The two EMAS arrester beds have 2,070 blocks total. The EMAS is comprised of cementitious blocks that are 4 ft. x 4 ft. The blocks are spaced approximately ½ inch from each other with the space between blocks defined as a “joint”. The joint is covered with a silicone extrusion and adhered with silicone caulk to prevent water intrusion into the joint between blocks. The top of each EMAS block is made up of a Jet Blast Resistant plastic lid that is held in place by use of a scrim (fabric) material. The exterior perimeter (vertical surfaces) of the EMAS is covered with the same silicone extrusion (larger width) to protect the exposed block sides from jet blast and to prevent water intrusion.

The EMAS system is design to break. Dropping tools, driving vehicles (including ride-on paint strippers) will severely damage the block lids. Blocks damaged in this manner will have to be replaced at the contractor's expense.

Scope of Work

Initial work on the EMAS will be accomplished under the supervision of an authorized ESCO representative. Training will be provided by ESCO for the contractor's crew. ESCO will provide initial over-sight for the work.

To assure safe aircraft operations between contractor work shifts, before daily/weekend shutdown of contract operations, the CONTRACTOR will move all equipment and materials used at the work site to the designated airport mobilization site.

The CONTRACTOR is responsible for setting up the staging area, providing access control, dumpster; all rubbish removal, portable lavatory, and all other requirements as directed by the airport for the duration of this project.

All debris removed from the site shall be disposed of in accordance with all applicable local, state and federal regulations.

Removal and Installation of EMAS seams

Refer to Appendix C: Typical Installation Procedures (illustrations)

It is paramount to have a clean, dry surface when applying the new seam seal and side coating. Therefore, careful attention shall be given to the removal and cleaning of the EMAS surfaces that will receive the new materials.

1. Removal and cleaning

1.1. Strip the existing silicone seam seal.

1.1.1. Use of a long-handled scraper is recommended (photo in Appendix A). Starting in a logical location, insert the blade under the seam seal and slide it across the EMAS tops. Use care when approaching a joint. Continue along one side until the end is reached. Repeat this process for the other side of the joint. Attempting to remove the adhesive on both sides of the joint at the same time may damage the plastic lids. Damage to the lid may require that the block be replaced. Do not gouge the EMAS tops.

Note: It may be possible to remove the silicone seam seal tape by simply pulling on it in the same manner that you would remove masking tape.

1.2. Once the silicone tape has been removed, removal of the adhesive can begin.

NOTE: The silicone adhesive must be removed entirely without damaging the plastic top.

- 1.2.1. To remove the silicone adhesive, a razor scraper and/or wood chisel are effective. Place the blade on the plastic top almost flat to the surface. Scrape the silicone adhesive from the plastic top.
- 1.2.2. Using a damp mop or sponge, clean those areas with a mild detergent and water.
- 1.2.3. Check to ensure that all of the silicone adhesive has been removed. Perform remedial work as needed.

RE-INSTALLATION--Seam Seal

Special care should be taken at joints where there is a difference in block heights to ensure proper application. The material flexes to accommodate the block height difference as shown in Figure 1. The seam sealant should be applied such that the dull side faces down against the block surface and is adhered to the caulk. Another viewpoint would be the inside surface of the roll would be placed against the top trays.

NOTE: The seam seal shall be applied across the EMAS, and then lengthwise (back to front). Each roll of seam seal is sufficiently long to provide a continuous run from side to side.

1. Place a 1/4" bead of adhesive (2"-2 1/4" apart) on both sides of the joint to be covered. The beads of adhesive shall be placed equidistant from the center of the joint. (See Photo in Appendix C)
 - 1.1. Place a section of the seam sealant down onto the caulk beads and press firmly to ensure proper adhesion.

NOTE: In no case shall any amount of adhesive be placed such that it cannot be covered with new material within 15 minutes of application.

2. As the tape is applied, use a roller to press the seam sealant onto the caulk. In some instances, it may be necessary to roll each block independently.
 - 2.1. Ensure that rollers are kept clean in order to avoid spreading caulk all over the top surface of the bed. Wetting rollers will reduce caulk accumulation.
 - 2.1.1. Continuously apply the seam sealant along that row joint until the row is complete to the edge of the EMAS bed. Continue until all rows are completed.
 - 2.2. For the columns, start at the back of the bed and work forward.
 - 2.2.1. When one roll is exhausted, start the new roll with a 2" overlap on the recently placed roll. Apply adhesive to the overlapping end so that there is a continuous bead around all edges.
 - 2.2.2. When the tape reaches the aluminum debris deflector at the front of the EMAS, ensure that the end is fully and firmly adhered to the plastic top. Continue until all columns are completed.

It is highly recommended that a leaf blower be utilized to check the work upon completion. This will expose any areas that are not properly adhered.

REMOVAL--Side Coating

As shown in the attached photo, the existing side coating is adhered in several locations. In order to replace the side coating without damaging the core material:

1. Remove only that material which is on a horizontal surface.
 - 1.1. Using a razor scraper, run the blade along the upper surface lap. this should remove the side coating on top and cut it away from the vertical face. If it is still intact, cut it away with a sharp knife.
 - 1.2. Where the side coating makes the 90 degree bend between the steps, first cut along the edge of the lower block as close to the edge of the block top as possible and safe. Do not try to get too close to the vertical face. Cutting the underlying material on the vertical face (beneath the side coating) may severely damage that block.
 - 1.3. Next, following the same method as the seam seal removal, remove the strip of extruded silicone.
 - 1.4. In the same manner that was used to clean the remaining silicone adhesive, clean the areas that will receive the new material.
2. To install the side coating:
 - 2.1. Apply a bead of adhesive on the horizontal surfaces approximately 2" from the edge and a apply a vertical bead pattern on the vertical, existing, face (something like a backslash "/" or "\").
 - 2.2. Drape the new side coating material over the top and vertical face such that a 2" lap is formed on the upper/higher edge. This will provide a 2" lap on the lower surface when it is smoothed into place.
 - 2.3. Roll the surface of the new material with the paint rollers to ensure adhesion.

Materials

1. The MaineDOT and ESCO will supply the caulk and seam sealant.
2. All tools necessary to perform the work required in this contract shall be furnished by the contractor.

ESCO-ZA SUPPLIED MATERIALS*

Description	Area
Adhesive	Work Trailer
Extruded PVC 3” wide x 2 mils thick	Work Trailer
Extruded PVC 10” wide x 2 mils thick	Work Trailer

RECOMMENDED CONTRACTOR EQUIPMENT & MATERIAL

Total Equipment Needed	Description	Days	Area
Light Plants (If needed)	4 ea., 4-bulb Light Plants	6	Work Site
Generators	8000w, 1ea.	6	Work Site
Leaf Blowers	2 ea. Gas or Electric	6	Work Site
1-2 30-yd loads	Trash Dumpster, 30 yard	6	Mobilization Area
12	Paint Rollers & Handles (18”-54" adjustable)	6	Work Site

Limitations of Operations. The existing facility and buildings will remain in use throughout the project and the contractor all necessary precaution to ensure that the employees and public is adequately protected at all times. The contractor may be allowed to close the area in which work is being performed to the public and employees. The contractor will be responsible for signing and coning the area around the work areas to inform and protect the above mentioned people from hazards associated with the project.

Allowable Work Times The Contractor shall perform all work between the hours of 11:00 pm to 6:00 AM Monday-Friday. The airport has the final decision on work hours/times of access. All work outside these established times must be approved by the Department and the Augusta State Airport. The contractor may not work on Sundays and Holidays as defined in the MaineDOT Standard Specifications. The Contractor is solely responsible for the planning and execution of Work in order to complete the Work within the Contract Time.

A 24 hour notice is required for any change in work schedule.

A 48 hour notice is required prior to working any Saturdays, Saturday or work performed outside of the allowable work times, only with the approval of the Department.

Contract Administrator The contract administrator for this contract will be:

Name: Tim LeSieve
Title: Aviation Engineer
Address: Maine Department of Transportation
16 Child Street
Augusta, ME 04333

The contractor shall contact the Contract Administrator in order to coordinate the work. The Contractor shall submit invoices to the Contract Administrator as described in this contract.

Delivery, Storage, and Handling

1. Store materials off the ground and protected from the weather.
2. Deliver products in manufacturers' original containers, dry, undamaged, with seals and labels intact.

Responsibility for Existing Structure Removal of existing materials shall be accomplished without damage to the portion of the structure that is to remain. The contractor shall be responsible for all damage to the existing structure resulting from an act, omission, neglect, or misconduct of the Contractor until Final Acceptance. The Contractor shall, at its sole expense, rebuild, repair, restore, or replace such damage property of otherwise make any good losses that arise from such damage.

Responsibility for Damage to Work Expect for damage to Project caused by Uncontrollable Events, the Contractor shall bear all risk of loss relating to the Work until Final Acceptance, regardless of cause, including completed Work, temporary Structures and all other items or Material not yet incorporated into the work.

Contractor's Health and Safety Program

The contractor shall be responsible for the safety of all operations in connection with the Contract and shall take all necessary actions to ensure the safety of all persons who may be in, on or adjacent to the Site. The Contractor shall perform Work in a manner that is in compliance with applicable OSHA requirements, industry standards and established safety practices.

Failure by the Contractor to comply with applicable OSHA requirement or to follow all established safety practices pertaining to the work being performed, will result in the immediate suspension of Work on the entire project until all unsafe practices are corrected and comply with the applicable requirements, standard or practice.

Environmental Requirements and Waste Materials

All waste materials shall be removed and disposed of in accordance with all federal, state, and local laws.

All materials removed from the site shall be the property of the contractor. Sale of these materials on site, and removal by persons other than the contractor or his personnel, shall be at the risk of the contractor. Once the contract is signed, responsibility for the safety of the public within the confines of the project shall be the responsibility of the contractor. The contractor shall be responsible for any and all materials dropped from his trucks distant from the project. The contractor shall make his own arrangement for disposal of materials taken from the site, and there will be no burning of materials on or adjacent to the site.

Permits, Fees, and Notices The Contractor shall also acquire, at its sole expense, all licenses, Permits and other permissions that are necessary, appropriate and legally required to perform the Work. The contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and lawful orders of any public authority bearing on the performance of the work. If the contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Department, he shall assume full responsibility therefore and shall bear all cost attributable thereto.

Warranty The Contractor shall guarantee work for one (1) year from date of Final Acceptance by the Department. The Physical Work must be Complete and in Conformity with the Contract and the Closeout Documentation, exclusive of the All Bills Paid and Request for Final Payment Letters, in order for the Department to finally “accept” the Project. All defects, including leaks occurring during guarantee period, shall be corrected without cost to the Department. The contractor unconditionally warrants and guarantees to the owner that all work will be of good quality, free from faults and defects, and in conformance with the specification. All work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. If required by the owner, the contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If the Department discovers any warranty defects during the warranty period, the Contractor agrees to perform all remedial work, at no additional cost or liability to the Department. Remedial Work will be completed within two weeks unless a more immediate response is required for safety or convenience, as determined by the Department.

The Contractor agrees that the warranty obligations provided by this Contract shall be reported as an outstanding obligation in the event of bankruptcy, dissolution, or the sale, merger, or cessation of operations of the Contractor.

Method of Measurement The Augusta State Airport – EMAS Repair – Labor Only will be measured for payment as one lump sum, complete in place and accepted.

Basis of Payment The Augusta State Airport – EMAS Repair – Labor Only will be paid for at the contract lump sum price, complete and accepted which shall be full compensation for the work indicated and as called for in the contract including all labor and equipment and removal of all the existing seam seal and side coating and Re-Sealing of all seams and sides of the EMAS with extruded PVC, and disposal of construction debris and other contract related incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
Item 1	Augusta State Airport EMAS – Repair – Labor Only	Lump Sum

SPECIAL PROVISIONS
FOR STATE FUNDED CONSTRUCTION

1. **BENEFITS AND DEDUCTIONS** If the Contractor is an individual, the Contractor understands and agrees that he/she is an independent contractor for whom no Federal or State Income Tax will be deducted by the Department, and for whom no retirement benefits, survivor benefit insurance, group life insurance, vacation and sick leave, and similar benefits available to State employees will accrue. The Contractor further understands that annual information returns, as required by the Internal Revenue Code or State of Maine Income Tax Law, will be filed by the State Controller with the Internal Revenue Service and the State of Maine Bureau of Revenue Services, copies of which will be furnished to the Contractor for his/her Income Tax records.

2. **INDEPENDENT CAPACITY** In the performance of this Contract, the parties hereto agree that the Contractor, and any agents and employees of the Contractor shall act in the capacity of an independent contractor and not as officers or employees or agents of the State.

3. **DEPARTMENT'S REPRESENTATIVE** The Contract Administrator shall be the Department's representative during the period of this Contract. The Contract Administrator has authority to curtail services if necessary to ensure proper execution of the Contract, to take actions needed to assure that the Contractor's Work conforms with the Contract, to decide questions regarding quality and acceptability of Work, to suspend Work, to reject Unacceptable or Unauthorized Work and to refuse to approve Progress and Final Payments until Unacceptable or Unauthorized Work is corrected. The Contract Administrator shall certify to the Department when payments under the Contract are due and the amounts to be paid. He/she shall make decisions on all claims of the Contractor. Unless authorized by the Contract Administrator, other Departmental employees are not authorized to alter or waive the provisions of the Contract or to issue instructions contrary to the Contract.

The Department has the authority to inspect all Materials and every detail of the Work. The Contractor shall provide the Department with safe access to all portions of the Work in Conformity with all applicable OSHA requirements. The Contractor shall furnish the Department with all information and assistance required to make a detailed inspection.

4. **CONTRACT ADMINISTRATOR** All progress reports, correspondence and related submissions from the Contractor shall be submitted to the Department's Project Manager who is designated as the Contract Administrator on behalf of the Department for this Contract, except where specified otherwise in this Contract.

5. **CHANGES IN THE WORK** The Department may order changes in the work, the Contract Amount being adjusted accordingly. In no event shall Contractor fail or refuse to continue the performance of its obligations under this Contract because of the inability of the parties to agree on an adjustment or adjustments. Any changes to the Contract that affect

compensation, time, quality, or other Contract requirements shall be by written Contract Modification, signed by both parties.

6. **SUBCONTRACTS** The Contractor shall at all times provide all Superintendents, forepersons, laborers, inspectors, Subcontractors, subconsultants, Equipment, Materials, and Incidentals needed to perform the Work in Conformance with the Contractor's Schedule of Work and within the Contract Time.

Any person employed by the Contractor or by any Subcontractor or any officer or representative or agent of the Subcontractor, who, in the opinion of the Contract Administrator, is intemperate or disorderly, shall be removed immediately by the Contractor or Subcontractor employing such person.

The Contractor is responsible for assuring that its subcontractors have sufficient skill and experience to perform the pursuant to the Contract. The Contractor is responsible for subcontractors that it employs and for coordinating and managing its subcontractors. The Contractor agrees to indemnify, defend, and hold harmless MaineDOT from and against all claims and causes of action arising out of any act or omission of Contractor's subcontractors, their agents, representatives, and employees. The Contractor agrees to indemnify the MaineDOT and hold it harmless from any claims asserted by, against or on behalf of Contractor's subcontractors. Included in this release is the Contractor's agreement to waive any claims against MaineDOT to recover losses allegedly suffered by a subcontractor. If Work under this Contract is performed pursuant to subcontracts, the Contractor's obligations are not diminished and the Contractor remains responsible for all Work under the Contract.

7. **SUBLETTING, ASSIGNMENT OR TRANSFER** The Contractor shall not sublet, sell, transfer, assign or otherwise dispose of this Contract or any portion thereof, or of its right, title or interest therein, without written request to and written consent of the Contract Administrator. No subcontracts or transfer of the Contract shall in any case release the Contractor of its liability under this Contract.

8. **EQUAL EMPLOYMENT OPPORTUNITY** During the performance of this Contract, the Contractor agrees as follows:

a. The Contractor shall not discriminate against any employee or applicant for employment relating to this Contract because of race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation, unless related to a bona fide occupational qualification. The Contractor shall take affirmative action to ensure that applicants are employed and employees are treated during employment, without regard to their race, color, religion, sex, age, national origin, physical or mental disability, or sexual orientation.

Such action shall include but not be limited to the following: employment, upgrading, demotions, or transfers; recruitment or recruitment advertising; layoffs or terminations; rates of pay or other forms of compensation; and selection for training including apprenticeship. The Contractor agrees to post

in conspicuous places available to employees and applicants for employment notices setting forth the provisions of this nondiscrimination clause.

b. The Contractor shall, in all solicitations or advertising for employees placed by or on behalf of the Contractor relating to this Contract, state that all qualified applicants shall receive consideration for employment without regard to race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation.

c. The Contractor shall send to each labor union or representative of the workers with which it has a collective bargaining Contract, or other Contract or understanding, whereby it is furnished with labor for the performance of this Contract a notice to be provided by the contracting agency, advising the said labor union or workers' representative of the Contractor's commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

d. The Contractor shall inform the contracting Department's Equal Employment Opportunity Coordinator of any discrimination complaints brought to an external regulatory body (Maine Human Rights Commission, EEOC, Office of Civil Rights) against their agency by any individual as well as any lawsuit regarding alleged discriminatory practice.

e. The Contractor shall comply with all aspects of the Americans with Disabilities Act (ADA) in employment and in the provision of service to include accessibility and reasonable accommodations for employees and clients.

f. Contractors and subcontractors with contracts in excess of \$50,000 shall also pursue in good faith affirmative action programs.

g. The Contractor shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Contract so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

9. **EMPLOYMENT AND PERSONNEL** The Contractor shall not engage any person in the employ of any State Department or Agency in a position that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. The Contractor shall not engage on a full-time, part-time or other basis pursuant to this Contract any personnel who are or have been at any time during the period of this Contract in the employ of the State of Maine, except regularly retired employees, without the written consent. Further, the Contractor shall not engage on this project on a full-time, part-time or other basis during the period of this Contract any retired employee of MaineDOT who has not been retired for at least one year without the written consent. The Contractor shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Contract so that such provisions

shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

10. **STATE EMPLOYEES NOT TO BENEFIT** No individual employed by the State of Maine at the time this Contract is executed or any time thereafter shall be admitted to any share or part of this Contract or to any benefit that might arise therefrom directly or indirectly that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. No other individual employed by the State at the time this Contract is executed or at any time thereafter shall be admitted to any share or part of this Contract or to any benefit that might arise therefrom directly or indirectly due to his employment by or financial interest in the Contractor or any affiliate of the Contractor, without the written consent of the Department. The Contractor shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Contract so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

11. **WARRANTY OF NO COLLUSION** The Bidder hereby certifies that it has not, directly or indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of competitive bidding in connection with this Contract. For breach or violation of this warranty, MaineDOT shall have the right to annul this Contract without liability. Further, MaineDOT shall have the right to recover the full amount of such fee, commission, gift, or the value of consideration that may have been transferred by the Contractor in violation of this clause.

12. **RECORDS; ACCESS** The Contractor and its subcontractors shall maintain all books, documents, payrolls, papers, accounting records and information of any type on any medium ("Project Records") that pertain to this Contract for such period as specified under Maine Uniform Accounting and Auditing Practices for Community Agencies (MAAP) rules. Upon request by MaineDOT, the Contractor and its subcontractors shall make Project Records available for inspection and must provide MaineDOT with copies at all reasonable times without cost or liability to MaineDOT.

13. **TERMINATION** The performance of work under the Contract may be terminated by MaineDOT in whole or in part whenever for any reason the Contract Administrator shall determine that such termination is in the best interest of the Department. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which performance of the work under the Contract is terminated and the date on which such termination becomes effective. The Contract shall be equitably adjusted to compensate for such termination and modified in writing to reflect adjustments.

14. **GOVERNMENTAL REQUIREMENTS** The Contractor warrants and represents that it will comply with all governmental ordinances, laws and regulations.

15. **GOVERNING LAW** This Contract shall be governed in all respects by the laws, statutes, and regulations of the United States of America and of the State of Maine. Any legal proceeding against the State regarding this Contract shall be brought in State of Maine

administrative or judicial forums. The Contractor consents to personal jurisdiction in the State of Maine.

If, in the performance of this Agreement, there arises a dispute between the Contractor and MaineDOT that cannot be resolved by the parties to the Contract, the parties may agree to submit the dispute to non-binding Alternate Dispute Resolution. All disputes shall be governed by Maine law, and all actions shall be filed in the Kennebec Superior Court, in Augusta Maine.

16. **STATE HELD HARMLESS** The Contractor agrees to indemnify, defend and hold harmless the State, its officers, agents and employees from any and all claims, costs, expenses, injuries, liabilities, losses and damages of every kind and description (hereinafter in this paragraph referred to as “claims”) resulting from or arising out of the performance of this Contract by the Contractor, its employees, agents or subcontractors. Claims to which this indemnification applies include, but are not limited to, the following: (i) claims suffered or incurred by any Contractor, subcontractor, materialman, laborer and any other person, firm, corporation or other legal entity providing work, services, materials, equipment or supplies in connection with the performance of this Contract; (ii) claims arising out of a violation or infringement of any proprietary right, copyright, trademark, right of privacy or other right arising out of publication, translation, development, reproduction, delivery, use, or disposition of any data, information or other matter furnished or used in connection with this Contract; (iii) Claims arising out of a libelous or other unlawful matter used or developed in connection with this Contract; (iv) claims suffered or incurred by any person who may be otherwise injured or damaged in the performance of this Contract; and (v) all legal costs and other expenses of defense against any asserted claims to which this indemnification applies. This indemnification does not extend to a claim that results solely and directly from (i) the Department’s negligence or unlawful act, or (ii) action by the Contractor taken in reasonable reliance upon an instruction or direction given by an authorized person acting on behalf of the Department in accordance with this Contract.

The Department's employees and other representatives act solely as representatives of the Department when conducting and exercising authority granted to them under the Contract. Such persons have no liability either personally or as Department employees.

17. **NOTICE OF CLAIMS** The Contractor shall give the Contract Administrator immediate notice in writing of any legal action or suit filed related in any way to the Contract or which may affect the performance of duties under the Contract, and prompt notice of any claim made against the Contractor by any subcontractor which may result in litigation related in any way to the Contract or which may affect the performance of duties under the Contract.

18. **INSURANCE** The Contractor shall provide signed, valid, and enforceable certificate(s) of insurance complying with this Section. All insurance must be procured from insurance companies licensed or approved to do business in the State of Maine by the State of Maine, Bureau of Insurance. The Contractor shall pay all premiums and take all other actions necessary to keep required insurances in effect for the duration of the Contract obligations, excluding warranty obligations.

Workers' Compensation For all Work performed by the Contractor and any subcontractor, the Contractor and each subcontractor shall carry Workers' Compensation Insurance or shall qualify as a self-insurer with the State of Maine Workers' Compensation Board in accordance with the requirements of the laws of the State of Maine. If maritime exposures exist, coverage shall include United States Long Shore and Harbor Workers coverage.

Commercial General Liability With respect to all Work performed by the Contractor and any subcontractors, the Contractor and any subcontractors shall carry commercial general liability insurance in an amount not less than \$400,000.00 per occurrence and \$2,000,000.00 in the Aggregate. The coverage must include products, completed operations, and Contractual liability coverages. The Contractual liability insurance shall cover the Contractor's obligations to indemnify the Department as provided in this Contract. The coverage shall also include protection against damage claims due to use of explosives, collapse, and underground coverage if the Work involves such exposures. The Department shall be named as additional insured on the Commercial General Liability insurance policies carried by the Contractor that are applicable to the Work.

Automobile Liability The Contractor shall carry Automobile Liability Insurance covering the operation of all motor vehicles including any that are rented, leased, borrowed, or otherwise used in connection with the Project. The minimum limit of liability under this Section shall be \$400,000.00 per occurrence.

Claims. Each insurance policy shall include a provision requiring the insurer to investigate and defend all named insured's against any and all claims for death, bodily injury or property damage, even if groundless.

19. **SEVERABILITY** The invalidity or unenforceability of any particular provision or part thereof of this Contract shall not affect the remainder of said provision or any other provisions, and this Contract shall be construed in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

20. **INTEGRATION** All terms of this Contract are to be interpreted in such a way as to be consistent at all times. If the Contractor discovers any ambiguity, error, omission, conflict, or discrepancy related to the Contract, the Contractor must notify MaineDOT of the ambiguity or waive claims resulting from any such ambiguity. In the case of ambiguity the following components of the Contract shall control in the following descending order of priority:

- Contract, Offer and Award
- Bid Amendments (most recent to least recent)
- Appendix A – Special Provision Specifications of Work to be Performed
- Appendix B – Special Provisions for State Funded Construction
- Any remaining appendices in alphabetical order.
- Any remaining Special Provisions
- The Department's Notice to Contractors and any amendments
- Supplemental Specifications

21. **FORCE MAJEURE** The Department may, at its discretion, excuse the performance of an obligation by a party under this Contract in the event that performance of that obligation by that party is prevented by an act of God, act of war, riot, fire, explosion, flood or other catastrophe, sabotage, severe shortage of fuel, power or raw materials, change in law, court order, national defense requirement, or strike or labor dispute, provided that any such event and the delay caused thereby is beyond the control of, and could not reasonably be avoided by, that party. The Department may, at its discretion, extend the time period for performance of the obligation excused under this section by the period of the excused delay together with a reasonable period to reinstate compliance with the terms of this Contract.

22. **FURNISHING OF OTHER PROPERTY RIGHTS, LICENSES AND PERMITS** The Contractor shall acquire, at its sole expense, all property rights outside the Project Limits needed for construction staging, yarding, construction, waste disposal, or other Project-related purpose. The Contractor shall also acquire, at its sole expense, all licenses, Permits and other permissions that are necessary or appropriate to perform the Work that are not furnished by the Department.

23. **ALLOWABLE WORK TIMES** Work can be performed at any time except Saturdays, Sundays and Holidays, unless expressly specified otherwise in this Contract, including any applicable Permit conditions. Holidays are defined as New Year's Day, Martin Luther King Day, President's Day, Patriot's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. If a Holiday occurs on a Sunday, the following Monday shall be considered a Holiday. If a Holiday occurs on a Saturday, the preceding Friday shall be considered a Holiday. Saturday, Sunday or Holiday work must be approved by the Department. The Contractor is solely responsible for the planning and execution of Work in order to complete the Work within the Contract Time.

24. **SET-OFF RIGHTS** MaineDOT shall have all of its common law, equitable and statutory rights of set-off. These rights shall include, but not be limited to, MaineDOT's right to withhold and take possession of monies due to the Contractor under this Contract up to any amounts the Contractor owes to the State of Maine pursuant to this Contract or any other contract, including any contract for a term commencing prior to the term of this Contract, plus any amounts that Contractor owes the State of Maine for any reason including, without limitation, tax delinquencies, fee delinquencies or monetary penalties relative thereto. MaineDOT shall exercise its set-off rights in accordance with normal State practices including, in cases of set-off pursuant to an audit, the finalization of such audit by the State agency, its representatives, or the State Controller.

25. **WORKERS AND EQUIPMENT** The Contractor shall at all times provide all Superintendents, forepersons, laborers, inspectors, Subcontractors, subconsultants, Equipment, Materials, and Incidentals needed to perform the Work in Conformance within the Contract Time.

Any person employed by the Contractor or by any Subcontractor or any officer or representative or agent of the Subcontractor, who, in the opinion of the Department, is intemperate or disorderly, shall be removed immediately by the Contractor or Subcontractor employing such person. The employee shall not be employed again in any portion of the Work without prior approval from the Department. Should the Contractor fail to remove such person or persons as required above or fail to furnish suitable and sufficient personnel for the proper prosecution of the Work, the Department may suspend the Work by written notice until such orders are complied with.

All persons employed by or through the Contractor, except for registered trainees, shall have sufficient skill and experience to perform the Work properly. The Department may require that the Contractor discharge any such person who the Department determines jeopardizes safety of any person or the Project without cost or liability to the Department. If the Department determines that such person's performance jeopardizes the intent of the Contract otherwise, the Department may, but is not required, to notify the Contractor of such a determination. Such notice, or lack thereof, does not affect the Contractor's duties regarding Workers. Upon Receipt of such notice, the Contractor shall take any action it determines necessary to fulfill its obligations under the Contract.

26. **HEALTH AND SAFETY**

Contractor's Safety Program The Contractor shall comply with all applicable federal, State, and local laws including all applicable laws and regulations of governing safety, health, and sanitation. If a copy of the Contractor's Safety Plan is not on file with the Contracts Section of the Department, the Contractor must submit, prior to Contract award, an acceptable, project specific Safety Plan to the Department. The Contractor's Safety Plan shall identify and address job hazards of the expected contract work and shall comply with all applicable federal, State, and local laws governing safety including all applicable laws and regulations of OSHA

Project Specific Emergency Planning The Contractor shall ensure that essential police, fire, rescue, and ambulance services have reasonable and timely access to and through the Project Limits. The Contractor shall, as appropriate, contact all emergency service providers in the area, discuss potential impacts on emergency operations (including water supply for fire suppression), and minimize any negative impacts.

27. **ENVIRONMENTAL REQUIREMENTS**

Temporary Soil Erosion and Water Pollution Control The Contractor shall provide continuous and effective soil erosion and water pollution.

Hazardous Materials If the Contractor encounters any condition that indicates the presence of uncontrolled petroleum or hazardous Materials, the Contractor shall immediately stop Work, notify the Department, treat any such conditions with extreme caution, and secure the area of potential hazard to minimize health risks to Workers and the public, and to prevent additional releases of contaminants into the environment. Such conditions include the presence of barrels, tanks, unexpected odors, discoloration of soil or water, an oily sheen on soil or water, excessively hot earth, smoke, or any other condition indicating uncontrolled

petroleum or hazardous Materials. The Contractor shall continue Work in other areas of the Project unless otherwise directed by the Department. The Contractor shall comply with all federal, State, and local laws concerning the handling, storage, treatment, and disposal of uncontrolled petroleum or hazardous Material.

Waste Materials All waste materials shall be disposed of in accordance with all federal, State, and local laws.

Environmental Non-compliance - Remedies and Costs The Contractor shall be in non-compliance if it, or Subcontractors at any tier, fail to comply with the terms of this Contract or any applicable environmental or land use law or regulation including Project specific permit conditions.

If the Contractor is in non-compliance, the Department may, at its discretion:

A. Withhold all Progress Payments, or any portion thereof, during the period the Contractor is in non-compliance;

B. Remedy such non-compliance using State forces or another Contractor and deduct all costs incurred by the Department from Progress Payments. Such costs include direct costs, Project Engineering costs, and Contractor costs from amounts otherwise due the Contractor, and/or

C. Suspend the Work for cause and without cost or liability to the Department. Said suspension shall continue until the Contractor has addressed all non-compliance issues as directed by the Department.

The Contractor shall be responsible for any fines and penalties assessed by environmental or land use regulatory agencies due to such non-compliance. Such penalties may be withheld from amounts otherwise due the Contractor.

28. **QUALITY AND STANDARDS** Materials and manufactured products incorporated into the work shall be new unless otherwise specified, free from defect, and in conformity with the contract. When material is fabricated or treated with another material or where any combination of materials is assembled to form a finished product, any or all of which are covered by specifications, the Department may reject the finished product if any of the components do not comply with the specifications. Materials shall meet the requirements of the contract at the time they are incorporated into the work. The Department may reject materials not conforming to the Specifications at any time, and the Contractor shall remove them immediately from the project site unless otherwise instructed by the Department. The Contractor shall not store or use rejected materials on any Department project.

If there is no applicable standard set forth in this contract for particular Work, then the Contractor shall perform that Work in accordance with industry standards prevailing at the time of bid. If the Department determines that Work is non-conforming, the Contractor shall remove, replace, or otherwise correct all unacceptable work as directed by the Department at the expense of the Contractor, without cost or liability to the Department.

29. **WARRANTY PROVISIONS** The Contractor unconditionally warrants and guarantees that the project will be free from warranty defects for one year from the date of Final Acceptance. Final Acceptance includes receipt of all conforming closeout documentation. If the Department discovers any warranty defects during the warranty period, the Contractor agrees to promptly perform all remedial work at no additional cost or liability to the Department.

The Contractor hereby assigns to the Department the right to enforce all manufacturer's warranties or guarantees on all materials, equipment or products purchased for the work that exceed the nature or duration of the warranty obligations assumed by the Contractor under this Contract.

The Contractor agrees that the warranty obligations provided by this Contract shall be reported as an outstanding obligation in the event of bankruptcy, dissolution, or the sale, merger, or cessation of operations of the Contractor.

30. **PAYMENT** The Contractor shall submit an itemized invoice to the Department for services monthly, at the completion of the Work or as otherwise noted in the Contract documents for approval and payment. At a minimum, invoices shall include the following information:

- Contractor name, address & Contract Number
- Invoice Date & Number
- Dates of Work
- Description and Location of Work
- Quantities at the Prices contained in the Contractor's Bid

The Department will approve complete and correct invoices for accepted Work invoiced at bid prices. 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 execution of the Work. The Contractor shall pay all taxes, charges, fees, and allowances. Except as expressly provided otherwise in this Contract, all such taxes, charges, fees, and allowances are Incidental to the Contract. Most items are exempt from Maine sales tax. The Contractor shall Bid in accordance with the Maine statutory exemption from sales tax. The Department may request that the Contractor submit backup documentation including copies of receipts, invoices, and itemized payments to Subcontractors. 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.

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

- A. Incomplete, Inaccurate or Incorrect Invoices,
- B. Defective Work or non-conforming Work,
- C. Damages for Non-conforming, Defective or Unauthorized Work or Equipment,

- D. Failure to provide the Department the opportunity to inspect the Work,
- 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. Substantial evidence that the Project cannot be completed for the unpaid balance,
- I. Substantial evidence that the amount due the Department will exceed the unpaid balance,
- J. Regulatory non-compliance or enforcement,
- K. Failure to submit Documentation
- L. All other causes that the Department reasonably determines negatively affect the State's interest.

31. **RESPONSIBILITY FOR DAMAGE TO WORK** Except for damage to Project caused by Uncontrollable Events, the Contractor shall bear all risk of loss relating to the Work until Final Acceptance, regardless of cause, including completed Work, temporary Structures, and all other items or Materials not yet incorporated into the Work.

The Contractor shall, at its sole expense, rebuild, repair, restore, or replace such damaged Work or otherwise make good any losses that arise from such damage ("rebuilding, etc."). If the Contractor fails to Promptly commence and continue such rebuilding, etc., the Department may, upon 48 hours advance written notice, commence rebuilding, etc. of the damaged property without liability to the Department with its own forces or with Contracted forces and all costs will be deducted from amounts otherwise due the Contractor.

32. **RESPONSIBILITY FOR PROPERTY OF OTHERS** The Contractor shall not enter private property outside the Project Limits without first obtaining permission from the Owners.

The Contractor shall be responsible for all damage to public or private property of any kind resulting from any act, omission, neglect, or misconduct of the Contractor until Final Acceptance. The preceding sentence includes damage to vehicles passing through the Work area.

The Contractor shall, at its sole expense, rebuild, repair, restore, or replace such damaged property or otherwise make any good losses that arise from such damage ("rebuilding, etc."). If the Contractor fails to commence and continue such rebuilding, etc. in a timely manner, the Department may, upon 48 hours advance written notice, commence rebuilding, etc. of the damaged property without liability to the Department with its own forces or with Contracted forces, and all costs will be deducted from amounts otherwise due the Contractor.

33. **NOTICE REQUIRED** When the Contractor becomes aware of facts or circumstances that may cause the Contractor to seek additional compensation, time, or any other change in Contract requirements ("Issue"), then the Contractor shall notify the

Department within 48 hours and before commencing any part of the Work relating to the Issue. The notice must describe the basic nature and extent of the Issue.

The written notice or confirmation will be known as a "Notice of Issue for Consideration". The Contractor will not be entitled to any additional compensation, time, or any other change to Contract requirements without a timely Notice of Issue for Consideration.

34. **ENTIRE CONTRACT** This document contains the entire Contract of the parties, and neither party shall be bound by any statement or representation not contained herein. No waiver shall be deemed to have been made by any of the parties unless expressed in writing and signed by the waiving party. The parties expressly agree that they shall not assert in any action relating to the Contract that any implied waiver occurred between the parties which is not expressed in writing. The failure of any party to insist in any one or more instances upon strict performance of any of the terms or provisions of the Contract, or to exercise an option or election under the Contract, shall not be construed as a waiver or relinquishment for the future of such terms, provisions, option or election, but the same shall continue in full force and effect, and no waiver by any party of any one or more of its rights or remedies under the Contract shall be deemed to be a waiver of any prior or subsequent rights or remedy under the Contract or at law.

Appendix C Typical Installation Procedures

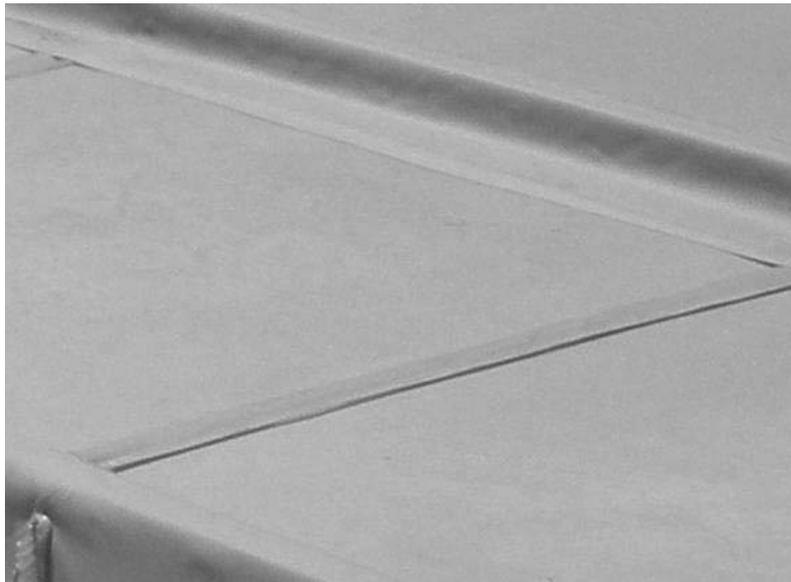
RECOMMENDED CONTRACTOR LABOR

Work Days	Foreman +	Basic Task
1-2	8-10 Laborers	Removal
3-6	8-10	Installation/replacement

RECOMMENDATIONS

The CONTRACTOR work crew should be comprised of 1 Foreman and 8 to 10 laborers. (See chart). With this crew size, experience has shown that by working in crews of teams of 3 men when laying the new seam seal, a single crew can tape approximately 2 rows or 1 column per hour. **Between cleaning and re-application the total crew can replace about 10-12 rows per 8-hour shift.**

The removal of the silicone adhesive is more labor intensive. On average, it takes one person approximately 3 minutes to fully clean the silicone from the plastic.



**FIGURE 1 – SEAM SEAL ACCOMMODATES SLIGHT VARIATION IN
BLOCK HEIGHT**

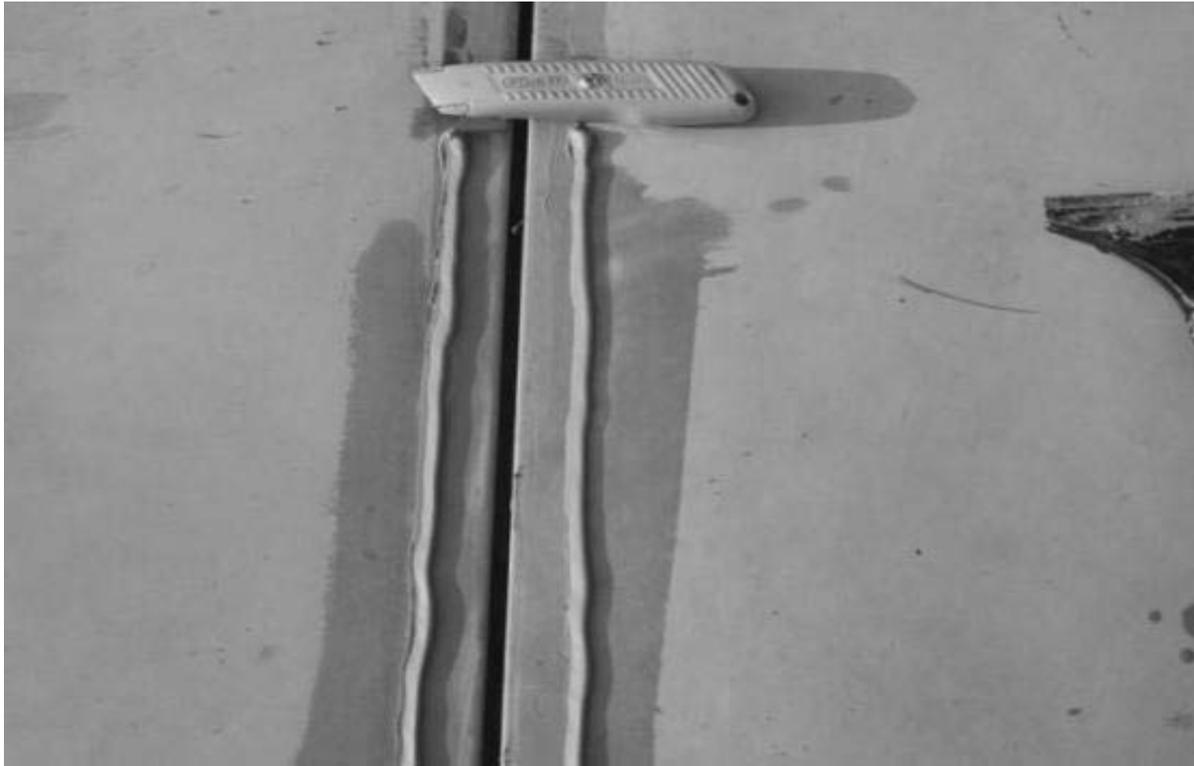


FIGURE 2: DUAL BEADS OF ADHESIVE AROUND JOINTS

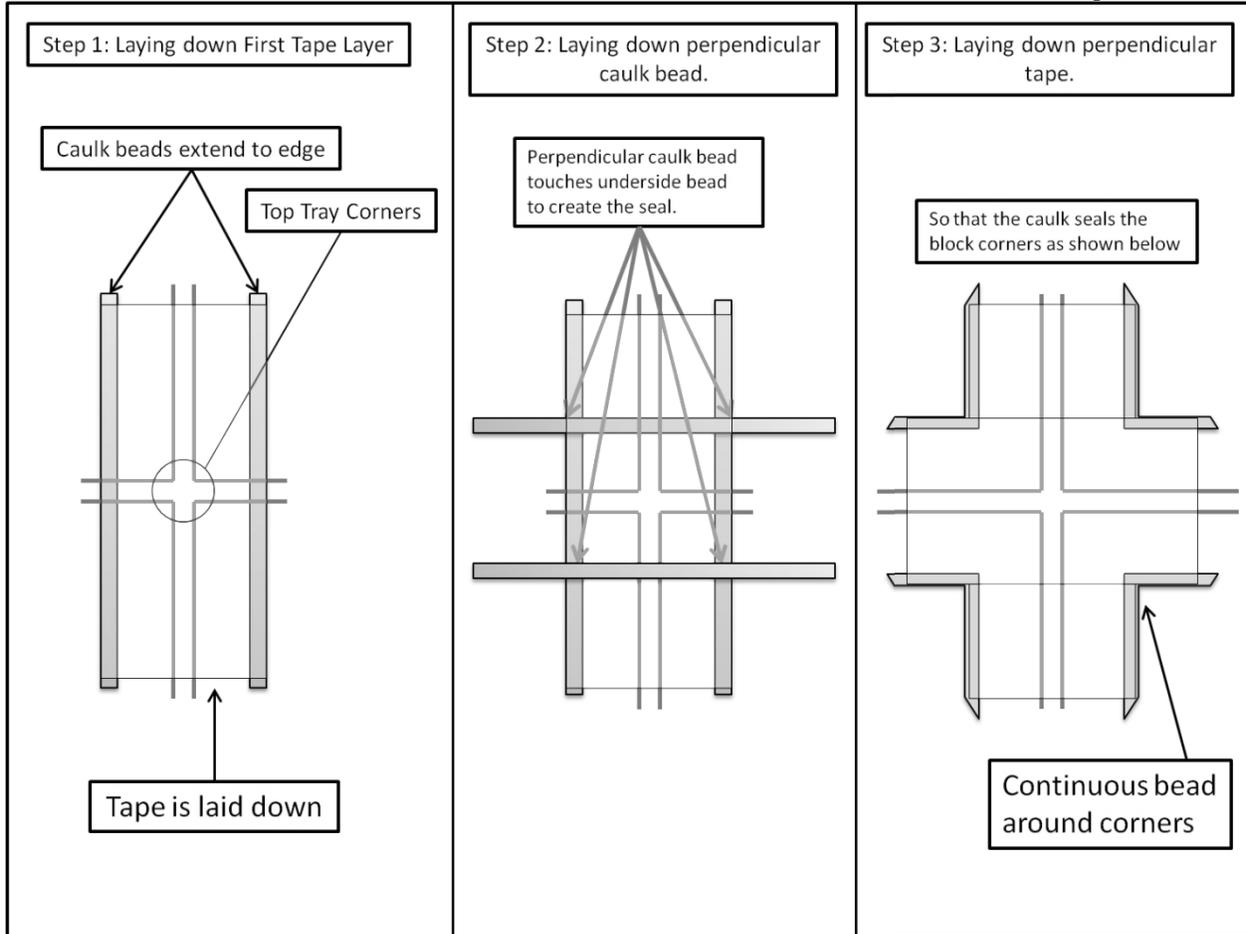


FIGURE 3: 100% ADHESIVE COVERAGE

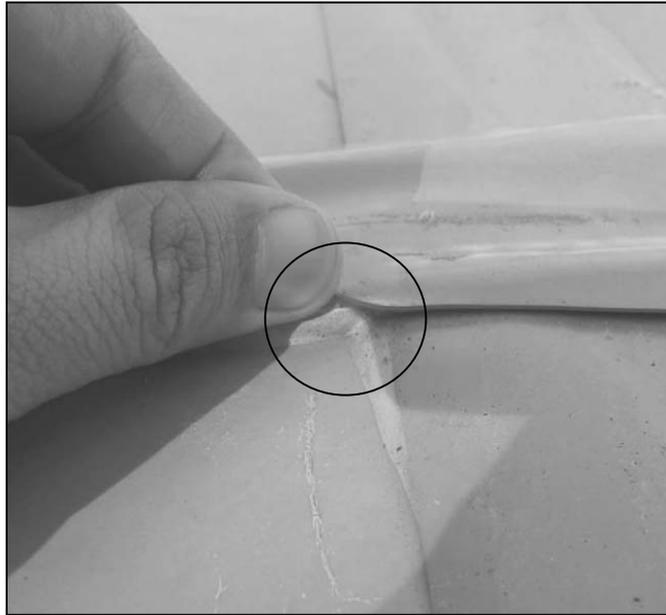


FIGURE 4(A)

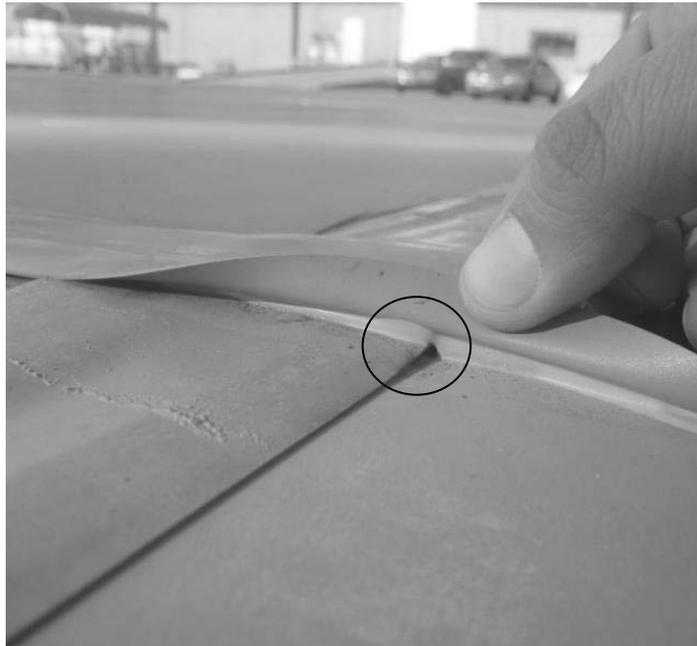


FIGURE 4(B)

FIGURE 4(A) & 4(B): GAP IN ADHESIVE NEAR INTERSECTION



FIGURE 5: REMOVING THE EXISTING TAPE USING LONG-HANDLED SCRAPERS



FIGURE 6: LONG-HANDLED SCRAPER



FIGURE 7: CLEANING THE SILICONE ADHESIVE



FIGURE 8: APPLICATION OF NEW ADHESIVE



FIGURE 9: USE OF A HARD RUBBER ROLLER IS RECOMMENDED TO ENSURE 100% CONTACT OF NEW ADHESIVE. A PAINT ROLLER MAY ALSO BE USED