BID PACKAGE CHECKLIST
- Locally Administered Project, State Funds -

**Final Plans**

1. Check to be sure the title page is signed with engineer’s stamp as required by law.
2. Verify that all pay items on the plans also are on the Schedule of Items.

**Specifications**

1. Make sure that specifications and special provisions include the following:
   - Description of the work;
   - Materials;
   - Requirements to construct and accept the work;
   - Measurement, specifying what, when and how to measure for payment; and
   - Basis of payment.

**Bid Documents**

Latest bid book inserts are online: [https://www.maine.gov/mdot/lpa/lpadocuments/](https://www.maine.gov/mdot/lpa/lpadocuments/)

1. Bid inserts and instructions labeled, “State Project.”
2. Notice to Contractors, which includes:
   - Bid opening date and time *(pay attention to holidays)*
   - MaineDOT Project WIN, description, location, and outline of work
   - Basis of award
   - Statement that MaineDOT Standard Specifications apply
   - Bid bond amount
   - Projects *less than $125,000* require no performance surety bond or payment surety bond. Bonds are required for projects exceeding $125,000.
   - For projects *greater than $300,000*, a bidder must complete a highway, bridge or project specific pre-qualification through MaineDOT to be awarded the contract.
   - For projects *less than $300,000*: “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.”

3. Special Provision 102.7.3, acknowledgement of Bid Amendments

4. Schedule of Items – with item numbers, approximate quantities, and units

5. Contract Agreement, Offer and Award form: *two* copies
   - Check Section B, “Time,” to be sure completion date matches Special Provision 107
6. Sample Bond Forms, as follows:
   - Contract Performance Bond
   - Contract Payment Bond

7. Special Provision (SP) Section 104, Utilities \textit{(if there is utility work)}

8. SP Section 105, General Scope of Work: Limitations of Operations \textit{(if applicable)}

9. SP Section 105, Overlimit Movement Permits \textit{(if applicable, based on nature of work)}

10. SP Section 107, Prosecution and Progress: Scheduling of Work
    - Ensure completion date matches date in Contract Agreement, Offer & Award

11. SP Section 401, Hot Mix Asphalt Pavement \textit{(if there is paving work)}

12. SP Section 403, Hot Mix Asphalt \textit{(if there is paving work; will be prepared by MaineDOT)}

13. SP Section 502, Structural Concrete \textit{(if there is concrete work)}

14. SP Section 652, Maintenance of Traffic \textit{(if traffic control is required on a public highway)}

15. Standard Detail updates
    - Latest version is online: \url{https://www.maine.gov/mdot/contractors/publications/}

    - Latest version is online: \url{https://www.maine.gov/mdot/contractors/publications/}
STATE PROJECT
BIDDING INSTRUCTIONS

1. Use pen and ink to complete all paper bids.

2. The following documents must be received before the time of the bid opening:
   a) Copy of Notice to Contractors;
   b) Completed Acknowledgement of Bid Amendments form;
   c) Completed Schedule of Items;
   d) Two copies of the completed and signed Contract Agreement, Offer & Award form;
   e) Bid Guaranty (if required); and
   f) Any other certifications or bid requirements listed in the bid documents that are due by bid opening.

3. Include prices for all items in the Schedule of Items (excluding non-selected alternates).

4. Bid Guaranty acceptable forms are:
   a) Properly completed and signed bid bond on the prescribed form in this package (or on a form that does not contain significant variations from the form) for 5% of the bid amount; or
   b) Official Bank Check, Cashier’s Check, Certified Check, U.S. Postal Money Order or Negotiable Certificate of Deposit in the amount stated in the Notice to Contractors.

If you need more information about bid preparation, please call:

_____ at _____

For complete bidding requirements, refer to Section 102 of the Maine Department of Transportation, Standard Specifications, March 2020 Edition, which shall govern this project unless otherwise specified.
NOTICE

For security and other reasons, all Bid Packages that are mailed 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
- PIN:
- 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
- PIN:
- Town:
- Date of Bid Opening:
- Name of Contractor:

This should not be much of a change for those of you who use Federal Express or similar services.

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

- Bid Enclosed: Do Not Open
- PIN:
- Town:
- Name of Contractor:
SAMPLE
BID GUARANTY / BID BOND FORM

KNOW ALL BY THESE PRESENTS THAT______________________________ of the
City/Town of ___________ and State of ________________________________ as Principal, and
______________________________ as Surety, a Corporation duly
organized under the laws of the State of ______________ and having a usual place of business in
______________________________ and hereby held and firmly bound unto the Treasurer of the
Municipality of ________________ in the sum of ____________________________, for
payment that Principal and Surety bind themselves, their heirs, executors, administrators, successors and
assigns, jointly and severally. The condition of this obligation is that the Principal has submitted to the
Municipality of __________________________, hereafter Municipality, a certain bid, attached hereto and
incorporated as a part herein, to enter into a written contract for the construction of ____________________________
______________________________, and if the Municipality
shall accept said bid and the Principal shall execute and deliver a contract in the form attached hereto
(properly completed in accordance with said bid) and shall furnish bonds for this faithful performance of said
contract, and for the payment of all persons performing labor or furnishing material in connection therewith,
and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation
shall be null and void; otherwise it shall remain in full force and effect.

Signed and sealed this_______ day of ___________ 20___

WITNESS: PRINCIPAL:
______________________________ By______________________________
______________________________ By:______________________________
______________________________ By:______________________________

WITNESS SURETY:
______________________________ By______________________________
______________________________ By:______________________________
NOTICE

Bidders:

Please use the attached “Request for Information” form to submit questions about this advertised Project. Include additional numbered pages as required.

RFI’s may be faxed to _________________ or submitted by email to ____________________________.

These are the only allowable mechanisms for answering Project specific questions. The Municipality 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. In the subject line, include the word RFI, the Project name and Work Identification Number (WIN).
REQUEST FOR INFORMATION

Date _____________  Time _____________

Information Requested for:

WIN: _______________ Town(s):________________________ Bid Date: _____________

Question(s):

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Request by:
Company Name:________________________________________ Phone:(____)_____________

Email:________________________________________________ Fax: (____)__________________

______________________________

Complete this form and transmit to the number listed in the Notice to Contractors
NOTICE TO CONTRACTORS

Sealed Bids addressed to the Municipality of ________________ and endorsed on the wrapper “Bids for

will be received from contractors at ________________________ at __________________________

and at that time and place publicly opened and read. Bids will be accepted from all bidders.

NOTE: If estimated contract price is greater than $300,000, use this language:
The lowest responsive bidder must have completed, or successfully complete, a [Highway, Bridge or
Project-Specific] prequalification to be considered for the award of this contract.

NOTE: If estimated contract price is less than $300,000, use this language instead:
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 _____________________

Location: In ______________ County, project is located ________________

Outline of Work: _______________________________ and other incidental work.

The basis of award will be ________________________________.

All questions should be directed to ________________ at (207) _________. Questions received after ________ will not be answered. Bidders shall not contact any other municipal staff for clarification of contract provisions, and the Municipality will not be responsible for any interpretations so obtained.

Plans, specifications and bid forms may be viewed at ________________. They may be purchased from ________________ between the hours of ________________. They may be purchased by phone at (207) ________________ between the hours of ________________ for the price of $ ________________, non-refundable.

Each bid must be made upon blank forms provided by the Municipality and must be accompanied either by a bid bond at 5% of the bid amount or an official bank check, cashier’s check, certified check, certificate of deposit, or U.S. Postal Service money order for $ ________________, payable to Municipality of ________________, as a bid guaranty.

NOTE: If estimated contract price is $125,000 or greater, include this language:
A Contract Performance Surety Bond and a Contract Payment Surety Bond, each for 100 percent of the contract price, will be required of the successful bidder.

This Contract is subject to all applicable federal and state Laws.

Unless otherwise specified, all work shall be governed by State of Maine Department of Transportation, Standard Specifications, March 2020 Edition, price $10 [$15 by mail], and Standard Details, March 2020 Edition, price $10 [$15 by mail]. They also may be purchased by phone at (207) 624-3536 from 8 a.m. to 4:30 p.m.

The Municipality hereby reserves the right to reject any or all bids.

Municipality of ________________, Maine

<Date>

NAME OF ENGINEER OF RECORD
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 _________________. It is the responsibility of the Bidder to determine if there are Amendments, to download them, to incorporate them into its Bid Package, and to reference the Amendment number and the date on the form below. The Municipality will not post Bid Amendments any later than noon the day before Bid opening without individually notifying all the planholders.

<table>
<thead>
<tr>
<th>Amendment Number</th>
<th>Date</th>
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<tbody>
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</tbody>
</table>

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)
## Proposal Schedule of Items

**Proposal ID:**

**Contractor:**

<table>
<thead>
<tr>
<th>Pay Item Number</th>
<th>Item Description</th>
<th>Approx. Quantity</th>
<th>Unit of Measure</th>
<th>Unit Price</th>
<th>Bid Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dollars</td>
<td>Cents</td>
<td>Dollars</td>
</tr>
</tbody>
</table>

**TOTAL BID:**
CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT is made on the date last signed below, by and between the Municipality of ____________, a body corporate and politic with its principal administrative offices at ______________ ("the Municipality"), and ___________________________________________________________ a corporation or other legal entity organized under the laws of the State of ______________, with its principal place of business located at ____________________________________________________________

The Municipality 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, Project WIN ___________, for ___________ in the Municipality of ____________, County 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 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 Municipality 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 ___________. Further, the Municipality may deduct from money 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 March 2020, 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

$__________________ 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 Design Plans, Maine Department of Transportation Standard Specifications (Revision of March 2020), Maine Department of Transportation Standard Details (Revision of March 2020), as updated through advertisement, 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, 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 Design Plans, the Maine Department of Transportation’s Standard Specifications (Revision of March 2020) as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

WIN : in ,

State of Maine, on which bids will be received until the time specified in the “Notice to Contractors,” 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 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 Municipality 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 Project Resident for the Municipality, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the Maine Department of Transportation Standard Specifications, Revision of March 2020, 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 Municipality of Bar Harbor 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 Maine Department of Transportation’s Standard Specifications, Revision of March 2020, and complete the Work within the time limits given in the Special Provisions of this Contract.

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

Fifth: 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 Municipality.

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 Contractor)

____________________________  _______________________________________
Witness                     (Name and Title Printed)

G. Award.

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

______________________________   ________________________________
Date                                    By:

______________________________
Witness
CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT is made on the date last signed below, by and between the Municipality of ____________, a body corporate and politic with its principal administrative offices at ____________, (“the Municipality”), and _________________________________________ a corporation or other legal entity organized under the laws of the State of ________________, with its principal place of business located at______________________________________________________

The Municipality 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, Project WIN ____________, for ________ in the Municipality of ____________, County 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 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 Municipality 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 ____________. Further, the Municipality may deduct from money 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 March 2020, 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 ________________

$_________________________ 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 Design Plans, Maine Department of Transportation Standard Specifications (Revision of March 2020), Maine Department of Transportation Standard Details (Revision of March 2020), as updated through advertisement, 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, 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 Design Plans, the Maine Department of Transportation’s Standard Specifications (Revision of March 2020) as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

WIN : in ,

State of Maine, on which bids will be received until the time specified in the “Notice to Contractors,” 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 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 Municipality 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 Project Resident for the Municipality, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the Maine Department of Transportation Standard Specifications, Revision of March 2020, 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 Municipality of Bar Harbor 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 Maine Department of Transportation’s Standard Specifications, Revision of March 2020, and complete the Work within the time limits given in the Special Provisions of this Contract.

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

Fifth: 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 Municipality.

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 Contractor)

_________________________________________ ________________________________
Witness (Name and Title Printed)

G. Award.

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

____________________________________  By:
Date

____________________________________
Witness
BOND # _____________________

SAMPLE

CONTRACT PERFORMANCE BOND

KNOW ALL BY THESE PRESENTS: That_________________________________________, as principal, and_______________________________, a corporation duly organized under the laws of the State of ______________________, and having a usual place of business at____________________________________________________, as Surety, are held and firmly bound unto the Municipality of ______________________, in the sum of __________________________________________ and 00/100 Dollars ($                    ), to be paid to said Municipality of ______________________, Maine or for that payment well and truly to be made, Principal and Surety bind themselves, their heirs, executors and administrators, successors and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Principal designated as Contractor in the Contract to construct Project Number __________ in the Municipality of ______________________ promptly and faithfully performs the Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Municipality of ______________________, Maine.

Signed and sealed this .................................. day of ............................................, 20….. .

WITNESSES:     SIGNATURES:

CONTRACTOR:

Signature....................................................     ...    .......…………….......................................................
Printed Name..............................................................................................................................

SURETY:

Signature ....................................................     ...    .......…………….......................................................
Printed Name..............................................................................................................................

SURETY ADDRESS:     MUNICIPALITY:

ADDRESS ........................................................................................................................................

TELEPHONE ..................................................................................................................................
BOND # _____________________

SAMPLE
CONTRACT PAYMENT BOND

KNOW ALL BY THESE PRESENTS: That_________________________________________, as principal, and _______________________________, a corporation duly organized under the laws of the State of ___________________ and having a usual place of business at ___________________________, as Surety, are held and firmly bound unto the Municipality of _____________________, Maine, in the sum of _______________________________ and 00/100 Dollars ($                    ), to be paid to said Municipality of _____________________, Maine or for that payment well and truly to be made, Principal and Surety bind themselves, their heirs, executors and administrators, successors and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Principal designated as Contractor in the Contract to construct Project Number ___________ in the Municipality of ___________________________ promptly satisfies all claims and demands incurred for all labor and material, used or required by him in connection with the work contemplated by said Contract, and fully reimburses the obligee for all outlay and expense that the obligee may incur in making good any default of said Principal, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

A claimant is defined as one having a direct contract with the Principal or with a Subcontractor of the Principal for labor, material or both, used or reasonably required for use in the performance of the contract.

Signed and sealed this ______________ day of ______________________________, 20 ... .

WITNESSES:               SIGNATURES:

CONTRACTOR:

Signature....................................................     ...
Printed Name.......................................................

SURETY:

Signature ....................................................     ...
Printed Name.....................................................

SURETY ADDRESS:               MUNICIPALITY:

ADDRESS ....................................................

TELEPHONE..................................................
SPECIAL PROVISIONS

SECTION 104
Utilities

UTILITY COORDINATION
The contractor has primary responsibility for coordinating their work with utilities after contract award. The contractor shall communicate directly with the utilities regarding any utility work necessary to maintain the contractor’s schedule and prevent project construction delays. The contractor shall notify the resident of any issues.

THE CONTRACTOR SHALL PLAN AND CONDUCT WORK ACCORDINGLY.

MEETING
A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

GENERAL INFORMATION
These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction.

Utilities have been notified and will be furnished a project specification.

Overview:

<table>
<thead>
<tr>
<th>Utility/Railroad</th>
<th>Aerial</th>
<th>Underground</th>
<th>Railroad</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

Utility Contact Information

<table>
<thead>
<tr>
<th>Utility/Railroad</th>
<th>Contact Person</th>
<th>Contact Phone</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>
Temporary utility adjustments are **not** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility/railroad unless otherwise specified herein.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

All clearing and tree removal in areas where utilities are involved must be completed before the utilities are able to relocate their facilities.

It is the responsibility of the Contractor with the Utility Pole owner, to layout all of the proposed pole locations in the field prior to the start of utility relocations. Should any adjustments be needed, the Utility will document adjustments and inform the Department prior to utility relocations.

The Contractor shall provide the utilities access to the new pole locations. Construction of any spot cuts or fills in excess of 2 feet must be completed prior to utility relocations. The Contractor shall prepare a plan for how access and the spot cuts and fills will be accomplished and what the schedule will be for performing the work. This plan will be discussed at the pre-construction utility meeting.

**Specific information regarding the line voltage can be requested from {Name of Electric Utility}**

Utility working days are Monday through Friday. Times are estimated on the basis of a single crew for each utility. Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

**BUY AMERICA**

Utility construction work performed as part this federal-aid project is subject to the requirements of Buy America in accordance with Federal Regulation 23 CFR 635.410 Section 1518. Specific requirements are presented in MaineDOT Standard Specification Section 100, Appendix A, Section 3.A., Buy America.
AERIAL

Summary:

<table>
<thead>
<tr>
<th>Utility</th>
<th>Pole Set</th>
<th>New Wires/Cables</th>
<th>Trans. Wires/Cables</th>
<th>Remove Poles</th>
<th>Estimated Working Days</th>
</tr>
</thead>
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{Company #2}

{Discussion}

{Company #3}

{Discussion}

{Company #4}

{Discussion}

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SUBSURFACE
Summary:

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Total:

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{Company #2}
{Discussion}

{Company #3}
{Discussion}

RAILROAD

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{Discussion}

MAINTAINING UTILITY LOCATION MARKINGS
The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

UTILITY SIGNING
Any utility working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted, and traffic flaggers employed as determined by field conditions. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.
SPECIAL PROVISION
SECTION 107
CONTRACT TIME

The specified contract completion date is [Insert Date]
STANDARD DETAIL UPDATES

Standard Details and Standard Detail updates are available at:
http://maine.gov/mdot/contractors/publications/standarddetail/

<table>
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<tr>
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<td>Steel Bridge Railing</td>
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<td>Bridge Transition – Type “IA”</td>
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<td>Concrete Slip Form Curb</td>
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<td>Conduit Trench for Traffic Signals,</td>
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<td>Roadway Culvert End Slope Treatment</td>
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<td>801(11)–801(26)</td>
<td>ADA Standard Details</td>
<td>6/03/2019</td>
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SUPPLEMENTAL SPECIFICATIONS
(Corrections, Additions, & Revisions to Standard Specifications – March 2020)

SECTION 104
GENERAL RIGHTS AND RESPONSIBILITIES

104.2.1 Furnishing of Right-of-Way  Revise the last sentence in the first paragraph by removing “105.4.5 – Special Detours” and replacing it with “105.4.5 – Maintenance of Existing Structures.”.

SECTION 401
HOT MIX ASPHALT PAVEMENT

401.19 Contractor Quality Control  Amend this Section by adding the following to the end: “Failure to comply with the approved QCP will result in work suspension and pay reductions as outlined in Section 106.4.6. The Quality Control Plan Value shall be the total bid value for all items covered by the QCP as identified in Special Provision 403.”

SECTION 502
STRUCTURAL CONCRETE

502.09 Forms and Falsework  Amend this subsection by adding the subsection title “502.10 Placing Concrete” after section “D” Removal of Forms and False work” and after the paragraph beginning with “2. Forms and False work, including blocking…” . So that a new subsection starts and reads:

“502.10 Placing Concrete
A. General Concrete shall not be placed until forms ….”

502.1701 Quality Control, Method A and B  Revise this Section so that the first paragraph and the first sentence of the second paragraph read:

“502.17 Quality Control The Contractor shall control the quality of the concrete through testing, inspection, and practices which shall be described in the QCP, sufficient to assure a product meeting the Contract requirements. The QCP shall meet the requirements of Section 106, Quality, and this specification. No work under this item shall proceed until the QCP is submitted to and approved by the Department. Failure to comply with the approved QCP will result in work suspension and pay reductions as outlined in Section 106.4.6. The Quality Control Plan Value shall be the total bid value for all cast-in-place items covered by the QCP, using the P value listed in Special Provision 502. If no P value is listed, a value of $350, or bid value per cubic yard, whichever is less, shall be used.

502.1701 Quality Control, Method A and B The QCP shall address all elements that affect the quality of the structural concrete including, but not limited to, the following: “
SECTION 606
GUARDRAIL

Amend this section by replacing it with the following:

606.01 Description This work shall consist of furnishing and installing guardrail components in accordance with these specifications and in reasonably close conformity with the lines and grades shown on the plans or as established. Guardrail is designated as:

- **31” W-Beam Guardrail - Mid-Way Splice**
  Galvanized steel w-beam, 8” wood or composite offset blocks, galvanized steel posts

- **Thrie Beam**
  Galvanized steel thrie beam, 8” wood or composite offset blocks, galvanized steel posts

Median guardrail shall consist of two beams of the above types, mounted on single posts.

Bridge mounted guardrail shall consist of furnishing all labor, materials, and equipment necessary to install guardrail as shown on the plans. This work shall also include drilling for and installation of offset blocks if specified, and incidental hardware necessary for satisfactory completion of the work.

Remove and Reset and Remove, Modify, and Reset guardrail shall consist of removing the existing designated guardrail and resetting in a new location as shown on the plans or directed by the Resident. Remove, Modify, and Reset guardrail and Modify guardrail include the following guardrail modifications: Removing plate washers at all posts, except at anchorage assemblies as noted on the Standard Details, adding offset blocks, and other modifications as listed in the Construction Notes or General Notes. Modifications shall conform to the guardrail Standard Details.

Bridge Connection shall consist of the installation and attachment of beam guardrail to the existing bridge. This work shall consist of constructing a concrete end post or modifying an existing end post as required, furnishing, and installing a terminal connector, necessary hardware, and incidentals required to complete the work as shown on the plans. Bridge Transition shall consist of a bridge connection and furnishing and installing guardrail components as shown in the Standard Details.

606.02 Materials Materials shall meet the requirements specified in the following Sections of Division 700 - Materials:

<table>
<thead>
<tr>
<th>Material</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber Preservative</td>
<td>708.05</td>
</tr>
<tr>
<td>Metal Beam Rail</td>
<td>710.04</td>
</tr>
<tr>
<td>Guardrail Posts</td>
<td>710.07</td>
</tr>
<tr>
<td>Guardrail Hardware</td>
<td>710.08</td>
</tr>
</tbody>
</table>

Guardrail components shall meet the applicable standards of "A Guide to Standardized Highway Barrier Hardware" prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Task Force 13 Report.
Posts for underdrain delineators shall be “U” channel steel, 8 ft long, 2 ½ lb/ft minimum and have 3/8-inch round holes, 1-inch center to center for a minimum distance of 2 ft from the top of the post.

Reflectorized Flexible Guardrail Markers shall be mounted on all guardrails. A marker shall be mounted onto guardrail posts at the flared guardrail terminal end point and tangent point, both at the leading and trailing ends of each run of guardrail. The marker’s flexible posts shall be gray with either silver-white or yellow reflectors (to match the edge line striping) at the tangents, red at leading ends, and green at trailing ends. Whenever the guardrail terminal is not flared, markers will only be required at the terminal end point. These shall be red or green as appropriate. Markers shall be installed on the protected side of guardrail posts unless otherwise approved by the Resident. Reflectorized flexible guardrail markers shall be from the Department’s Qualified Products List of Delineators. The marker shall be gray, flexible, durable, and of a non-discoloring material to which 3-inch by 9-inch reflectors shall be applied, and capable of recovering from repeated impacts and meeting MASH 16 requirements. Reflective material shall meet the requirements of Section 719.01 for ASTM D 4956 Type III reflective sheeting. The marker shall be secured to the guardrail post with two fasteners, as shown in the Standard Details.

Reflectorized beam guardrail (“butterfly”-type) delineators shall be mounted on all “w”-beam guardrail. The delineators shall be mounted within the guardrail beam at guardrail posts. Delineators shall be fabricated from high-impact, ultraviolet & weather resistant thermoplastic. Reflectorized beam guardrail delineators shall be placed at approximately 62.5 ft intervals or every tenth post on tangents and at approximately 31.25 ft intervals or every fifth post on curves. Exact locations of the delineators shall be as directed by the Resident. On divided highways, the left-hand delineators shall be yellow, and the right-hand delineators shall be silver/white. On two directional highways, the right-hand side shall be silver/white, and no reflectorized delineator used on the left. All reflectors shall have reflective sheeting applied to only one side of the delineator facing the direction of traffic as shown in the Standard Details. Reflectorized sheeting for guardrail delineators shall meet the requirements of Section 719.01.

Single wood post shall be of cedar, white oak, or tamarack, well-seasoned, straight, and sound and have been cut from live trees. The outer and inner bark shall be removed, and all knots trimmed flush with the surface of the post. Posts shall be uniform taper and free of kinks and bends.

Single steel post shall conform to the requirements of Section 710.07 b.

Single steel pipe post shall be galvanized, seamless steel pipe conforming to the requirements of ASTM A120, Schedule No. 40, Standard Weight.

Acceptable multiple mailbox assemblies shall be listed on the Department’s Qualified Products List and shall be MASH 16 tested and approved.
Flared and Tangent W-beam guardrail terminals and guardrail offset blocks shall be from the Department’s Qualified Products List. Flared terminals shall be installed with a 4 ft offset as shown in the Manufacturer’s installation instructions.

Anchorage assemblies used to anchor trailing ends, radius guardrail, or other ends not exposed to traffic shall meet the applicable standards of "A Guide to Standardized Highway Barrier Hardware" prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Task Force 13 Report, Drawing SEW02a.

Existing materials damaged or lost during adjusting, removing and resetting, or removing, modifying, and resetting, shall be replaced by the Contractor without additional compensation. Existing guardrail posts and guardrail beams found to be unfit for reuse shall be replaced when directed by the Resident.

606.03 Posts Posts for guardrail shall be set plumb in holes or they may be driven if suitable driving equipment is used to prevent battering and distorting the post. When posts are driven through pavement, the damaged area around the post shall be repaired with approved bituminous patching. Damage to lighting and signal conduit and conductors shall be repaired by the Contractor.

When set in holes, posts shall be on a stable foundation and the space around the posts, backfilled in layers with suitable material, thoroughly tamped.

The reflectorized flexible guardrail markers shall be set plumb with the reflective surface facing the oncoming traffic. Markers shall be installed on the protected side of guardrail posts. Markers, which become bent or otherwise damaged, shall be removed and replaced with new markers.

Single wood posts shall be set plumb in holes and backfilled in layers with suitable material, thoroughly tamped. The Resident will designate the elevation and shape of the top. The posts, that are not pressure treated, shall be painted two coats of good quality oil base exterior house paint.

Single steel posts shall be set plumb in holes as specified for single wood posts or they may be driven if suitable driving equipment is used to prevent battering and distorting the post.

Additional bolt holes required in existing posts shall be drilled or punched, but the size of the holes shall not exceed the dimensions given in the Standard Details. Metal around the holes shall be thoroughly cleaned and painted with two coats of approved aluminum rust resistant paint. Holes shall not be burned.

606.04 Rails Brackets and fittings shall be placed and fastened as shown on the plans. Rail beams shall be erected and aligned to provide a smooth, continuous barrier. Beams shall be lapped with the exposed end away from approaching traffic.

End assemblies shall be installed as shown on the plans and shall be securely attached to the rail section and end post.
All bolts shall be of sufficient length to extend beyond the nuts but not more than ½ inch. Nuts shall be drawn tight.

Additional bolt holes required in existing beams shall be drilled or punched, but the size of the holes shall not exceed the dimensions given in the Standard Details. Metal around the holes shall be thoroughly cleaned and painted with two coats of approved aluminum rust resistant paint. Holes shall not be burned.

606.045 Offset Blocks The same offset block material is to be provided for the entire project unless otherwise specified.

606.05 Shoulder Widening At designated locations the existing shoulder of the roadway shall be widened as shown on the plans. All grading, paving, seeding, and other necessary work shall be in accordance with the Specifications for the type work being done.

606.06 Mail Box Post Single wood post shall be installed at the designated location for the support of the mailbox. The multiple mailbox assemblies shall be installed at the designated location in accordance with the Standard Details and as recommended by the Manufacturer. Attachment of the mailbox to the post will be the responsibility of the home or business owner.

606.07 Abraded Surfaces All galvanized surfaces of new guardrail and posts, which have been abraded so that the base metal is exposed, and the threaded portions of all fittings and fasteners and cut ends of bolts shall be cleaned and painted with two coats of approved rust resistant paint.

606.08 Method of Measurement Guardrail will be measured by the linear foot from center to center of end posts along the gradient of the rail except where end connections are made to masonry or steel structures, in which case measurement will be as shown on the plans. When connected to radius rail, measurement will be to the end of the last tangent beam.

Guardrail terminal, reflectorized flexible guardrail marker, terminal end, anchorage assembly, bridge transition, bridge connection, multiple mailbox post, and single post will be measured by each unit of the kind specified and installed.

Widened shoulder will be measured as a unit of grading within the limits shown on the plans.

Excavation in solid rock for placement of posts will be paid under force account unless otherwise indicated in the Bid Documents.

606.09 Basis of Payment The accepted quantities of guardrail will be paid for at the contract unit price per linear foot for the type specified, complete in place. Reflectorized beam guardrail ("butterfly"-type) delineators will not be paid for directly but will be considered incidental to guardrail items. Reflectorized flexible guardrail marker, terminal end, anchorage assembly, bridge transition, bridge connection, multiple mailbox post, and single post will be paid for at the contract unit price each for the kind specified complete in place.
Guardrail terminals will be paid for at the contract price each, complete in place which price shall be full payment for furnishing and installing all components including the terminal section, posts, offset blocks, "w" beam, cable foundation posts, plates and for all incidentals necessary to complete the installation within the limits as shown on the Standard Details or the Manufacturer’s installation instructions. Pay limits for a flared terminal will be 37.5 feet. Pay limits for a tangent terminal will be 50 feet. Each guardrail terminal will be clearly marked with the Manufacturer’s name and model number to facilitate any future needed repair. Such payment shall also be full compensation for furnishing all material, excavating, backfilling holes, assembling, and all incidentals necessary to complete the work, except that for excavation for posts or anchorages in solid ledge rock, payment will be made under 109.7.5 – Force Account. Type III Retroreflective Adhesive Sheeting shall be applied to the approach buffer end sections and sized to substantially cover the end section. On all roadways, the ends shall be marked with alternating black and retroreflective yellow stripes. The stripes shall be 3 in wide and sloped down at an angle of 45 degrees toward the side on which traffic is to pass the end section. Guardrail terminals shall also include a set of installation drawings supplied to the Resident.

Anchorages to bridge end posts will be part of the bridge work. Connections thereto will be considered included in the unit bid price for guardrail.

Guardrail to be placed on a radius of curvature of 150 ft or less will be paid for under the designated radius pay item for the type guardrail being placed.

Widened shoulder will be paid for at the contract unit price each complete in place and will be full compensation for furnishing and placing, grading and compaction of aggregate subbase and any required fill material.

Adjust guardrail will be paid for at the contract unit price per linear foot and will be full compensation for adjusting to grade. Payment shall also include adjusting guardrail terminals where required.

Modify guardrail will be paid for at the contract unit price per linear foot and will be full compensation for furnishing and installing offset blocks, additional posts, and other specified modifications; removing, modifying, installing, and adjusting to grade existing posts and beams; removing plate washers and backup plates, and all incidentals necessary to complete the work. Payment shall also include removing and resetting guardrail terminals where required.

Remove and Reset guardrail will be paid for at the contract unit price per linear foot and will be full compensation for removing, transporting, storing, reassembling all parts, necessary cutting, furnishing new parts when necessary, reinstalling at the new location, and all other incidentals necessary to complete the work. Payment shall also include removing and resetting guardrail terminals when required.

Remove, Modify, and Reset guardrail will be paid for at the contract unit price per foot and will be full compensation for the requirements listed in Modify guardrail and Remove and Reset guardrail.
Bridge Connections will be paid for at the contract unit price each. Payment shall include, attaching the connection to the endpost including furnishing and placing concrete and reinforcing steel necessary to construct new endposts if required, furnishing and installing the terminal connector, and all miscellaneous hardware, labor, equipment, and incidentals necessary to complete the work.

Bridge Transitions will be paid for at the contract unit price each. Payment shall include furnishing and installing the thrie beam or “w”-beam terminal connector, doubled beam section, and transition section, where called for, posts, hardware, precast concrete transition curb, and any other necessary materials and labor, including the bridge connection as stated in the previous paragraph.

No payment will be made for guardrail removed, but not reset and all costs for such removal shall be considered incidental to the various contract pay items.

Payment will be made under:

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<td>606.1306 31” W-Beam Guardrail - Mid-Way Splice Tangent Terminal</td>
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<td>606.1722 Bridge Transition - Type II</td>
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<td>606.276 Terminal End-Double Rail - Corrosion Resistant Steel</td>
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<td>Replace Unusable Existing Guardrail Posts</td>
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<td>Guardrail Thrie Beam - 15 ft radius and less</td>
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<td>Guardrail Thrie Beam - over 15 ft radius</td>
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<td>Guardrail Thrie Beam - Single Rail Bridge Mounted</td>
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<td>606.74</td>
<td>Guardrail - Single Rail Bridge Mounted</td>
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<td>Widen Shoulder for Flared Guardrail Terminal</td>
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<td>606.80</td>
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**SECTION 618**  
**SEEDING**

618.08 Mulching  Revise this Section so that the third sentence reads: “Mulch for Seeding Method Number 1 shall only be cellulosic fiber mulch Section 619.04 (b) or straw mulch Section 619.04 (a).”

**SECTION 626**  
**FOUNDATIONS, CONDUIT, AND JUNCTION BOXES FOR HIGHWAY SIGNING, LIGHTING, AND SIGNALS**

626.034 Concrete Foundations  Revise this Section by changing ‘626.037’ to ‘626.036’ in the Second Paragraph which begins with “Foundations shall consist of cast-in-place…”.

Revise the 10th paragraph beginning with “Before placing concrete, the required elbows…” by removing “…in accordance with Standard Specification 633.”
SECTION 645
HIGHWAY SIGNING

Section 645.023 Sign Support Structures. Under letter “c.”, revise the fifth paragraph beginning with “In addition to the required details…” by removing the words “and foundation” from the 5th sentence.

Section 645.08 Method of Measurement. Revise the second paragraph beginning with “Bridge-type, cantilever and…” by removing the words “including the foundation”.

Section 645.09 Basis of Payment. Revise the third paragraph beginning with “The accepted bridge-type, cantilever and…” by removing the word “foundation” from the second sentence. Add the following sentence to the end of the paragraph “Conduits, Junction Boxes, and Foundations will be paid for under Section 626.”

SECTION 681
PRECAST AGGREGATE-FILLED, CONCRETE BLOCK GRAVITY WALL

681.08 Basis of Payment Amend this section by adding the Item Number “681.10’ in front of the item “Precast Aggregate-Filled Concrete Block Gravity Wall” at the end of the section.

SECTION 703
AGGREGATES

Add the following to the beginning of Section 703 - Aggregates

703.01 Fine Aggregate for Concrete Fine aggregate for concrete shall consist of natural sand or, when approved by the Resident, other inert materials with similar characteristics or combinations thereof, having strong, durable particles. Fine aggregate from different sources of supply shall not be mixed or stored in the same pile nor used alternately in the same class of construction or mix without permission of the Resident.

All fine aggregate shall be free from injurious amounts of organic impurities. Should the fine aggregate, when subjected to the colorimetric test for organic impurities, AASHTO T 21, produce a color darker than the reference standard color solution (laboratory designation Plate III), the fine aggregate shall be rejected.

Fine aggregate shall have a sand equivalent value of not less than 75 when tested in accordance with AASHTO T 176. Fine aggregate sources shall meet the Alkali Silica Reactivity (ASR) requirements of Section 703.0201.
The fineness modulus shall not be less than 2.26 or more than 3.14. If this value is exceeded, the fine aggregate will be rejected unless suitable adjustments are made in proportions of coarse and fine aggregate. The fineness modulus of fine aggregate shall be determined by adding the cumulative percentages of material by weight retained on the following sieves: Nos. 4, 8, 16, 30, 50, 100 and dividing by 100.

Fine aggregate, from an individual source when tested for absorption as specified in AASHTO T 84, shall show an absorption of not more than 2.3 percent.

<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td>⅜ inch</td>
<td>100</td>
</tr>
<tr>
<td>No. 4</td>
<td>95-100</td>
</tr>
<tr>
<td>No. 8</td>
<td>80-100</td>
</tr>
<tr>
<td>No. 16</td>
<td>50-85</td>
</tr>
<tr>
<td>No. 30</td>
<td>25-60</td>
</tr>
<tr>
<td>No. 50</td>
<td>10-30</td>
</tr>
<tr>
<td>No. 100</td>
<td>2-10</td>
</tr>
<tr>
<td>No. 200</td>
<td>0-5.0</td>
</tr>
</tbody>
</table>

703.02 Coarse Aggregate for Concrete Coarse aggregate for concrete shall consist of crushed stone or gravel having hard, strong, durable pieces, free from adherent coatings and of which the composite blend retained on the ⅜ inch sieve shall contain no more than 15 percent, by weight of flat and elongated particles when performed in accordance with test method ASTM D 4791, Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate, using a dimensional ratio of 1:5.

The coarse aggregate from an individual source shall have an absorption no greater than 2.0 percent by weight determined in accordance with AASHTO T 85 modified for weight of sample.

The composite blend shall have a Micro-Deval value of 18.0 percent or less as determined by AASHTO T 327 or not exceed 40 percent loss as determined by AASHTO T 96.

Coarse aggregate sources shall meet the Alkali Silica Reactivity (ASR) requirements of Section 703.0201.

Coarse aggregate shall conform to the requirements of the following table for the size or sizes designated and shall be well graded between the limits specified.
<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Aggregate Size</td>
<td></td>
</tr>
<tr>
<td>1 inch</td>
<td>100</td>
</tr>
<tr>
<td>¾ inch</td>
<td>95-100</td>
</tr>
<tr>
<td>1½ inch</td>
<td>35-70</td>
</tr>
<tr>
<td>½ inch</td>
<td>20-55</td>
</tr>
<tr>
<td>No. 4</td>
<td>0-10</td>
</tr>
<tr>
<td>No. 8</td>
<td>0-5</td>
</tr>
<tr>
<td>No. 16</td>
<td>-</td>
</tr>
<tr>
<td>No. 50</td>
<td>-</td>
</tr>
<tr>
<td>No. 200</td>
<td>0 - 1.5</td>
</tr>
</tbody>
</table>

703.0201 Alkali Silica Reactive Aggregates. All coarse and fine aggregates proposed for use in concrete shall be tested for Alkali Silica Reactivity (ASR) potential under AASHTO T 303 (ASTM C 1260), Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction, prior to being accepted for use. Acceptance will be based on testing performed by the Department. Sampling will be performed by the Department from stockpiles located at the Contractor’s/supplier’s ready mixed concrete plants. Aggregate approvals will be performed on a 3-year cycle, unless the source or character of the aggregate in question has changed within 3 years from the last test date.

A list of pre-approved coarse aggregate and aggregate-cement/ pozzolan blends is maintained by the Department and will determine the acceptability of concrete mix designs proposed for use.

As per AASHTO T 303 (ASTM C 1260): Use of a particular coarse or fine aggregate will be allowed with no restrictions when the mortar bars made with this aggregate expand less than or equal to 0.10 percent at 30 days from casting. Use of a particular coarse or fine aggregate will be classified as potentially reactive when the mortar bars made with this aggregate expand greater than 0.10 percent at 30 days from casting. Use of this aggregate will only be allowed with the use of cement-pozzolan blends and/or chemical admixtures that result in mortar bar expansion of less than 0.10 percent at 30 days from casting.

Acceptable pozzolans and chemical admixtures that may be used when an aggregate is classified as potentially reactive include the following:

a. Class F Coal Fly Ash meeting the requirements of AASHTO M 295.
b. Ground Granulated Blast Furnace Slag (Grade 100 or 120) meeting the requirements of AASHTO M 302.
c. Densified Silica Fume meeting the requirements of AASHTO M 307.
d. Lithium Hydroxide Monohydrate (LiOH-H2O).

Pozzolans or chemical admixtures required to offset the effects of potentially reactive aggregates will be incorporated into the concrete at no additional cost to the Department.

Aggregates classified as potentially reactive by the requirements of this specification may be used if certified test results from an accredited independent laboratory utilizing the current AASHTO T 303 (ASTM C 1260) Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction, indicating an acceptable alkali-aggregate combination, are submitted to the Department.

703.05 Aggregate for Sand Leveling  Aggregate for sand leveling shall be sand of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The aggregate shall meet the grading requirements of the following table.

<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td>⅜ inch</td>
<td>85-100</td>
</tr>
<tr>
<td>No. 200</td>
<td>0-5.0</td>
</tr>
</tbody>
</table>

703.06 Aggregate for Base and Subbase  The following shall apply to Sections (a.) and (c.) below. The material shall have a Micro-Deval...” and replace with “The material shall have a minimum degradation value of 25.0 or less15 as determined by AASHTO T 327. If the Micro-Deval value exceeds 25.0, the Washington State Degradation DOT Test Method T 113T113, Method of Test for Determination of Degradation Value (January 2009 version) shall be performed, except that the test shall be performed on the reported degradation value will be the result of testing a single specimen from that portion of the sample that passes the ½ in sieve and is retained on the No. 10 sieve. If the material has a Washington Degradation value of less than 15, the material shall be rejected.

The material, minus any reclaimed asphalt pavement used in Section (b.) below shall have a Micro-Deval value of 25.0 or less as determined by AASHTO T 327. If the Micro-Deval value exceeds 25.0 the material may be used if it does not exceed 25 percent loss on AASHTO T 96, Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine. If AASHTO T 96 is used for acceptance of the material, the material shall be retested at intervals of 25%, 50% and 75% completion of the course.

Recycled Asphalt Pavement (RAP) shall not be used for or blended with aggregate base or subbase.
a. Aggregate for base, Type A and B shall be crushed ledge or crushed gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The gradation of the part that passes a 3 inch sieve shall meet the grading requirements of the following table:

<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type A</td>
</tr>
<tr>
<td>½ inch</td>
<td>45-70</td>
</tr>
<tr>
<td>¼ inch</td>
<td>30-55</td>
</tr>
<tr>
<td>No. 40</td>
<td>0-20</td>
</tr>
<tr>
<td>No. 200</td>
<td>0-6.0</td>
</tr>
</tbody>
</table>

At least 50 percent by weight of the material retained on the No. 4 sieve shall have at least one fractured face as tested by AASHTO T 335.

Type A aggregate for base shall only contain particles of rock that will pass the 2 inch square mesh sieve.

Type B aggregate for base shall only contain particles of rock that will pass the 4 inch square mesh sieve.

b. Aggregate for base, Type C shall be crushed ledge or crushed gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The material shall meet the grading requirements of the following table:

<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type C</td>
</tr>
<tr>
<td>4 inches</td>
<td>100</td>
</tr>
<tr>
<td>3 inches</td>
<td>90-100</td>
</tr>
<tr>
<td>2 inches</td>
<td>75-100</td>
</tr>
<tr>
<td>1 inch</td>
<td>50-80</td>
</tr>
<tr>
<td>½ inch</td>
<td>30-60</td>
</tr>
<tr>
<td>No. 4</td>
<td>15-40</td>
</tr>
<tr>
<td>No. 200</td>
<td>0-6.0</td>
</tr>
</tbody>
</table>

At least 50 percent by weight of the material coarser than the No. 4 sieve shall have at least one fractured face as tested by AASHTO T 335.

c. Aggregate for subbase shall be sand or gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The gradation of the part that passes a 3 inch sieve shall meet the grading requirements of the following table:
Type D aggregate for subbase gravel may contain up to 50 percent by weight Recycled Concrete Aggregate (RCA). When RCA is used, the portion of the resulting blend of gravel and RCA retained on a ½” square mesh sieve shall contain a total of no more than 5 percent by weight of other recycled materials such as brick, concrete masonry block, or asphalt pavement as determined by visual inspection.

RCA shall be substantially free of wood, metal, plaster, and gypsum board as defined in Note 9 in Section 7.4 of AASHTO M 319. RCA shall also be free of all substances that fall under the category of solid waste or hazardous materials.

Aggregate for subbase shall not contain particles of rock which will not pass the 6 inch square mesh sieve.

<table>
<thead>
<tr>
<th>Sieve Designation</th>
<th>Percentage by Weight Passing Square Mesh Sieves</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type D</td>
</tr>
<tr>
<td>½ in</td>
<td>35-80</td>
</tr>
<tr>
<td>¼ inch</td>
<td>25-65</td>
</tr>
<tr>
<td>No. 40</td>
<td>0-30</td>
</tr>
<tr>
<td>No. 200</td>
<td>0-7.0</td>
</tr>
</tbody>
</table>