

Updated 01/06/06

STATE PROJECT

BIDDING INSTRUCTIONS

1. Complete the bid forms with pen and ink.
2. The following are to be completed and returned with the bid:
 - a. A copy of the Notice to Contractors
 - b. The completed Schedule of Items
 - c. Two (2) copies of the completed and signed Contract Offer, Agreement, & Award form
 - d. The completed Contractor Information Sheet
3. To quickly enter into a contract, the bidder may submit certificates of insurance for commercial general liability, automotive liability if company vehicles used, and worker compensation. The Department must be named as an additional insured. Could also include vendor form here.
4. For security and other reasons, all Bid Packages which 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

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:

NOTICE

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

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

Additionally, interested parties will be responsible for reviewing and retrieving the Bid Amendments from our web site, and acknowledging receipt and incorporating those Bid Amendments in their bids using the Acknowledgement of Bid Amendment Form.

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

NOTICE

Bidders:

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

State of Maine
VENDOR FORM

For New Vendors & for Updates on Current Vendors

Special Instructions:

PLEASE PRINT CLEARLY

Return this form to:

*** = MUST BE COMPLETED TO PROCESS**

ONLY ONE NAME/VENDOR PER FORM

New Vendor	Address Change	Multi Address	Name Change	Contact Update	ID # Change
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Social Security Number*
Individual or Sole Proprietor

Federal Taxpayer ID Number*
Corporation

OR

Please fill in ONE.

S

Business name in "DBA" field below.

E

Business name in "Name" field below.

This form will affect all transactions with ALL state agencies.

NEW:*

Remit to Address: Individual or Business Name.

Name*
DBA or C/O
Address*
Tel #*

OLD:

Old number:

Name
DBA or C/O
Address
Tel #

	Is this the same name on your Social Security card?
	If not, have you told Social Security about your name change?

Acct #	
Provider #	

Signature* _____

Contact Name _____

Print Name or Title _____

Accounts Receivable Contact Name _____

Date* _____ (within 3 months)

Phone # if Different or for Contact Info _____

Vendor Indicators: Enter Y (Yes) For All Categories Listed Below That Apply To This Vendor

Dealer: <input style="width: 60px;" type="text"/>	Manufacturer: <input style="width: 60px;" type="text"/>	Factory Rep: <input style="width: 60px;" type="text"/>
Jobber: <input style="width: 60px;" type="text"/>	Retailer: <input style="width: 60px;" type="text"/>	Commodity: <input style="width: 60px;" type="text"/>
Individual: <input style="width: 60px;" type="text"/>	Partnership: <input style="width: 60px;" type="text"/>	Incorporated: <input style="width: 60px;" type="text"/>
Minority: <input style="width: 60px;" type="text"/>	Small Business: <input style="width: 60px;" type="text"/>	In-State: <input style="width: 60px;" type="text"/>

Information on State Agency Submitting Vendor Form

State Agency* & SHS #	Contact Person Name & Title*	Telephone #*
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Send to: Maine Department of Transportation/ Contracts 16 SHS, Augusta, ME 04333-0014 Attn: Pat Brown

INSTRUCTIONS FOR COMPLETING VENDOR FORM

1. **Print Clearly**
2. **All sections marked with an * must be completed for processing**
3. **Send completed form to requesting State agency OR remit to address at bottom of form.**
4. **Do NOT send by Fax. Only originals will be accepted.**

<u>FIELDS</u>	<u>INFORMATION NEEDED FOR FIELD</u>
<i>Special Instructions</i>	<i>Instructions to Vendor from Agency requesting information.</i>
<i>Return to</i>	<i>The location of agency where the form is to be mailed back to. If none use address at bottom of form.</i>
Boxes above SSN/EIN Fields	Please check mark all that apply to the vendor. If other, please specify. If it's a new vendor only one will apply: "New Vendor"
Social Security Number	Individuals, individuals "doing business as", and individuals without a Federal Taxpayer ID #. Use if not using EIN
Federal Taxpayer ID Number*	Businesses or professionals providing services. (ID # needs to be use for REMITTANCE purposes.) Use if not using SSN
New	Current Information
Old	Old information (If another ID# had been used please put it next to "OLD")
Name	Individual's Name or Business Name. ONLY ONE name per a form.
DBA or C/O	"Doing business as" or "In Care Of"
Address	REMITTANCE ADDRESS - Street Address OR PO Box (one or the other)
Tel #	Phone Number of individual or business
Signature	Individual or authorized representative of individual or authorized representative of the business
Date	Current Date (no more than 3 months old)
Contact Name	Contact person at business
Accounts Receivable Contact Name	Contact person at business for accounts receivables.
Phone #	Phone for Act Rec Contact
Vendor Indicators	Indicate all that apply for the vendor, as needed
Agency Info	For Agency personnel submitting the form. Contact info incase of questions.

**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 "Bid for **Guardrail Services**" will be received from contractors at the Reception Desk, Maine DOT Building, Child Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on February 28, 2007, and at that time and place publicly opened and read.

Description: Guardrail repair and installation services for MaineDOT accident damage, maintenance work zones and installations at small construction work sites.

Outline of Work: Supply labor, materials (at some work sites) and equipment to repair and install guardrail runs on an as needed basis.

Bids (quotes) are requested for the five Regions in the state. A map is included that displays the Regions.

The intent of this proposal is to receive numerous bids for Guardrail Services. Contracts with multiple Contractors per Region will be entered into.

A Bidder is not required to bid all regions, but may bid on one or more Regions.

Bid prices are being requested primarily for our 2007 summer construction and maintenance season, but will be valid through March 31, 2008.

For general information regarding Bidding and Contracting procedures, contact Scott Bickford at (207)624-3410. For Project-specific information fax all questions to **Gail MacMunn** at (207)624-3431. 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. Hearing impaired persons may call the Telecommunication Device for the Deaf at (207) 624-3007.

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

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

This Contract is subject to all applicable Federal Laws.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, Revision of December 2002", price \$10 [\$13 by mail], and Standard Details, Revision of December 2002, price \$20 [\$25 by mail] Standard Detail updates can be found at <http://www.state.me.us/mdot/project/design/homepg.htm>

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

Augusta, Maine
February 7, 2007



Michael Burns
Assistant Director
Maintenance and 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/comprehensive-list-projects/project-information.php> It is the responsibility of the Bidder to determine if there are Amendments to the Project, to download them, to incorporate them into their Bid Package, and to reference the Amendment number and the date on the form below. The Maine DOT will not post Bid Amendments any later than noon the day before Bid opening without individually notifying all the planholders.

Amendment Number	Date

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

CONTRACTOR

Date

Signature of authorized representative

(Name and Title Printed)

MAINE DOT GUARDRAIL SERVICES
 SCHEDULE OF ITEMS
 BID PAGE 1

BID ITEMS	PAY UNITS	REGION 1	REGION 2	REGION 3	REGION 4	REGION 5
GUARDRAIL TYPE 3C SINGLE RAIL 0-100'	LINEAR FOOT					
GUARDRAIL TYPE 3C SINGLE RAIL 100'-250'	LINEAR FOOT					
GUARDRAIL TYPE 3C SINGLE RAIL OVER 250'	LINEAR FOOT					
GUARDRAIL TYPE 3C 15' RADIUS AND LESS	LINEAR FOOT					
GUARDRAIL TYPE 3C OVER 15' RADIUS	LINEAR FOOT					
GUARDRAIL REMOVE AND DISPOSE	LINEAR FOOT					
TERMINAL END SINGLE RAIL	EACH					
REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EACH					
REPLACE SINGLE GALVANIZED STEEL POST	EACH					
GUARDRAIL 350 TERMINAL END	EACH					
MOBILIZATION	CALENDAR DAY					
NOTES:						
1. This work consists of supplying all materials, equipment and labor to install guardrail and components at locations and quantities as directed by the Regions.						
2. For each day that the contractor provides guardrail services for the Department, they will be paid one calendar day of mobilization.						
3. The Maine DOT will provide all signs and traffic control.						

Special Provision
Section 103
Award and Contracting

103.1.1 Unit Prices Govern

Add the following statement.

Work under this contract shall be assigned through Task Order assignments on an as needed basis and calculated on the individual unit prices given in the “Schedule of Items” for each item listed on the individual Task Order assignments. The assignment of low bidder for a particular Task Order assignment shall be determined based on the bid unit prices as listed in the “Schedule of Items” for the total estimated work in each proposed Task Order.

The Department will enter into a Contract with all responsive bidders. Work will be assigned under these contracts according to the following process: The Contractor with the lowest calculated bid for the particular Task Order will have first option to accept the work assignment. If for any reason this Contractor is unable to accept the work, the Contract Administrator may contact the 2nd low and subsequent bidders to do the work.

Additionally, if during execution of the Contract, the low bid Contractor fails to complete the work on time and in a satisfactory manner, the Department reserves the right to go directly to the second and subsequent low bid Contractor. Should the second low bidder also exhibit a failure to maintain quality and schedule, the Department reserves the right not to order any work at all from any of the Contractors and re-bid the work.

Although this does not guarantee any work, the following totals were spent on the guardrail services contracts in 2006:

Region 1 - \$225,000
Region 2 - \$ 35,000
Region 3 - \$ 30,000
Region 4 - \$190,000
Region 5 - \$ 22,000

**SPECIAL PROVISION
(MOBILIZATION)**

The contractor shall be paid for one calendar day of mobilization for each day they provide guardrail services to The Maine DOT. This may involve work at multiple sites within the specified area on the same day.

Pay Item

Pay Unit

659.11 Mobilization

Calendar Day

CONTRACT AGREEMENT, OFFER & AWARD

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

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

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

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract for **GUARDRAIL SERVICES IN THE REGIONS BID.** The Work includes providing services at maintenance work zones and small construction projects 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 all required documentation at the conclusion of the 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 provide services to complete all Work, on or before **March 31, 2008.**

C. Price.

The bid prices in the Schedule of Items of the Bid Package will be used as the basis for determining 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, Division 100 Section of the Standard Specifications, Revision of December 2002, Supplemental Specifications,

Special Provisions, and Contract Agreements. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

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

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Division 100 of the Standard Specifications Revision of December 2002 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 Division 100 of the Standard Specifications Revision of December 2002, Supplemental Specifications, Special Provisions, and Contract Agreement contained herein for: **GUARDRAIL SERVICES**, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

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

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

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

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award. Your offer is hereby accepted for (see checked boxes):

Guardrail Services

Region 1

Region 2

Region 3

Region 4

Region 5

The contract amount is _____.

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: _____
Michael E. Burns, Assistant Director
Bureau of Maintenance and Operations

Witness

CONTRACT AGREEMENT, OFFER & AWARD

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

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

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

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract for **GUARDRAIL SERVICES IN THE REGIONS BID.** The Work includes providing services at maintenance work zones and small construction projects 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 all required documentation at the conclusion of the 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 provide services to complete all Work, on or before **March 31, 2008.**

C. Price.

The bid prices in the Schedule of Items of the Bid Package will be used as the basis for determining 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, Division 100 Section of the Standard Specifications, Revision of December 2002, Supplemental Specifications,

Special Provisions, and Contract Agreements. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

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

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Division 100 of the Standard Specifications Revision of December 2002 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 Division 100 of the Standard Specifications Revision of December 2002, Supplemental Specifications, Special Provisions, and Contract Agreement contained herein for: **GUARDRAIL SERVICES**, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

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

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

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

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award. Your offer is hereby accepted for (see checked boxes):

Guardrail Services

Region 1

Region 2

Region 3

Region 4

Region 5

The contract amount is _____.

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: _____
Michael E. Burns, Assistant Director
Bureau of Maintenance and Operations

Witness

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 624-6445

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

Title of Project ----- Guardrail Services for 2007

Location of Project -- Region 1

**2007 Fair Minimum Wage Rates
 Highway & Earthwork
 Androscoggin, Cumberland, Oxford,
 Sagadahoc & York Counties**

Occupation Title	Minimum	Minimum	Total	Occupation Title	Minimum	Minimum	Total
	Wage	Benefit			Wage	Benefit	
Asphalt Raker	\$12.50	\$0.00	\$12.50	Ironworker - Reinforcing	\$18.00	\$10.00	\$28.00
Backhoe Loader Operator	\$14.00	\$1.93	\$15.93	Ironworker - Structural	\$14.75	\$0.52	\$15.27
Bricklayer	\$21.00	\$2.62	\$23.62	Laborers/Helper/Tender	\$11.50	\$0.70	\$12.20
Bulldozer Operator	\$16.29	\$2.67	\$18.96	Laborer - Skilled	\$13.00	\$0.72	\$13.72
Cable Splicer	\$18.50	\$3.56	\$22.06	Line Erector - Power	\$18.01	\$3.71	\$21.72
Carpenter	\$16.50	\$1.84	\$18.34	Loader Op, Front-End	\$14.83	\$2.26	\$17.09
Carpenter - Rough	\$15.00	\$2.11	\$17.11	Mechanic - Maintenance	\$15.98	\$2.37	\$18.35
Cement Mason/Finisher	\$12.00	\$0.59	\$12.59	Millwright	\$19.50	\$5.36	\$24.86
Commun Trans Erector	\$17.49	\$4.04	\$21.53	Painter	\$14.25	\$4.25	\$18.50
Concrete Mixing Plant Op	\$14.25	\$3.93	\$18.18	Paver, Bituminous	\$15.38	\$1.54	\$16.92
Concrete Pump Operator	\$15.40	\$7.96	\$23.36	Pipe/Steam/Sprinkler Fitter	\$20.00	\$4.45	\$24.45
Crane Op =>15 Tons	\$19.50	\$4.70	\$24.20	Pipelayer	\$15.50	\$1.42	\$16.92
Crusher Plant Operator	\$15.00	\$2.42	\$17.42	Roller Operator, Earth	\$12.35	\$4.41	\$16.76
Driller, Rock	\$14.75	\$2.10	\$16.85	Roller Op, Pavement	\$13.43	\$2.16	\$15.59
Electrician, Licensed	\$21.00	\$4.27	\$25.27	Screed Operator	\$15.55	\$3.38	\$18.93
Electrician Hlpr (Licensed)	\$14.00	\$1.89	\$15.89	Stone Mason	\$16.24	\$2.04	\$18.28
Excavator Operator	\$16.25	\$2.29	\$18.54	Truck Driver, Light	\$13.75	\$1.26	\$15.01
Fence Setter	\$12.75	\$1.05	\$13.80	Truck Driver, Medium	\$13.00	\$2.04	\$15.04
Flagger	\$11.00	\$0.87	\$11.87	Truck Driver, Heavy	\$12.90	\$1.01	\$13.91
Grader/Scraper Operator	\$16.63	\$2.37	\$19.00	Truck Driver, Tractor Trlr	\$14.63	\$1.78	\$16.41
Highway Wrkr/Guardrail Inst	\$14.95	\$3.50	\$18.45	Truck Driver, Mixer, Cemnt	\$10.30	\$1.15	\$11.45
Hot Top Plant Operator	\$19.00	\$6.47	\$25.47				

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

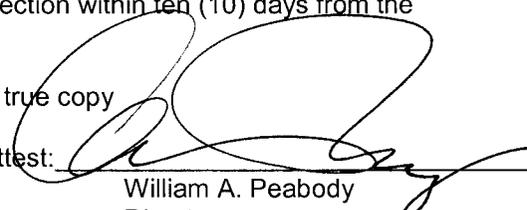
Welders are classified in the trade to which the welding is incidental.

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

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

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

Determination No: HI-008-2007
 Filing Date: January 17, 2007
 Expiration Date: 12-31-2007

A true copy
 Attest: 
 William A. Peabody
 Director
 Bureau of Labor Standards

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 624-6445

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

Title of Project ----- Guardrail Services for 2007

Location of Project -- Region 2

**2007 Fair Minimum Wage Rates
 Highway & Earthwork
 Androscoggin, Kennebec, Knox, Lincoln,
 Sagadahoc, Somerset & Waldo Counties**

<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>	<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>
Asphalt Raker	\$12 63	\$0 29	\$12 92	Ironworker - Reinforcing	\$18 00	\$10 00	\$28 00
Backhoe Loader Operator	\$13 75	\$1 94	\$15 69	Ironworker - Structural	\$14 75	\$0 52	\$15 27
Bricklayer	\$21 00	\$2 62	\$23 62	Laborers/Helper/Tender	\$11 00	\$0 90	\$11 90
Bulldozer Operator	\$16 50	\$3 63	\$20 13	Laborer - Skilled	\$12 50	\$1 13	\$13 63
Cable Splicer	\$18 50	\$3 56	\$22 06	Line Erector - Power	\$18 01	\$3 71	\$21 72
Carpenter	\$16 50	\$1 84	\$18 34	Loader Op, Front-End	\$14 75	\$2 26	\$17 01
Carpenter - Rough	\$15 00	\$2 11	\$17 11	Mechanic - Maintenance	\$15 50	\$2 52	\$18 02
Cement Mason/Finisher	\$12 75	\$1 14	\$13 89	Millwright	\$19 50	\$5 36	\$24 86
Commun Trans Erector	\$17 49	\$4 04	\$21 53	Painter	\$14 25	\$4 25	\$18 50
Concrete Mixing Plant Op	\$14 38	\$3 83	\$18 21	Paver, Bituminous	\$15 00	\$2 58	\$17 58
Concrete Pump Operator	\$15 40	\$7 96	\$23 36	Pipe/Steam/Sprinkler Fitter	\$20 00	\$4 45	\$24 45
Crane Op =>15 Tons	\$19 50	\$4 70	\$24 20	Pipelayer	\$15 00	\$1 19	\$16 19
Crusher Plant Operator	\$14 50	\$3 70	\$18 20	Roller Operator, Earth	\$12 50	\$4 60	\$17 10
Driller, Rock	\$14 75	\$2 10	\$16 85	Roller Op, Pavement	\$15 00	\$4 42	\$19 42
Electrician, Licensed	\$21 00	\$4 27	\$25 27	Screed Operator	\$15 50	\$3 42	\$18 92
Electrician Hlpr (Licensed)	\$14 00	\$1 89	\$15 89	Stone Mason	\$16 24	\$2 04	\$18 28
Excavator Operator	\$15 75	\$2 52	\$18 27	Truck Driver, Light	\$13 75	\$1 26	\$15 01
Fence Setter	\$11 75	\$1 44	\$13 19	Truck Driver, Medium	\$12 50	\$3 11	\$15 61
Flagger	\$10 75	\$0 61	\$11 36	Truck Driver, Heavy	\$12 00	\$1 13	\$13 13
Grader/Scraper Operator	\$17 25	\$2 40	\$19 65	Truck Driver, Tractor Trlr	\$12 95	\$1 86	\$14 81
Highway Wrkr/Guardrail Inst	\$13 00	\$1 76	\$14 76	Truck Driver, Mixer, Cemnt	\$10 30	\$1 15	\$11 45
Hot Top Plant Operator	\$17 33	\$6 98	\$24 31				

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

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

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

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

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

Determination No HI-009-2007

Filing Date *January 17, 2007*

Expiration Date 12-31-2007

A true copy

Attest

[Signature]
 William A. Peabody
 Director
 Bureau of Labor Standards

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 624-6445

RECEIVED

JAN 22 2007

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

Title of Project ----- Guardrail Services for 2007

Location of Project -- Region 3

**2007 Fair Minimum Wage Rates
 Highway & Earthwork
 Androscoggin, Franklin, Kennebec, Oxford
 Piscataquis and Somerset Counties**

<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>	<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>
Asphalt Raker	\$12.50	\$0.23	\$12.73	Ironworker - Reinforcing	\$18.00	\$10.00	\$28.00
Backhoe Loader Operator	\$14.00	\$2.05	\$16.05	Ironworker - Structural	\$14.75	\$0.52	\$15.27
Bricklayer	\$21.00	\$2.62	\$23.62	Laborers/Helper/Tender	\$11.25	\$0.86	\$12.11
Bulldozer Operator	\$16.50	\$3.61	\$20.11	Laborer - Skilled	\$13.00	\$0.92	\$13.92
Cable Splicer	\$18.50	\$3.56	\$22.06	Line Erector - Power	\$18.01	\$3.71	\$21.72
Carpenter	\$16.50	\$1.84	\$18.34	Loader Op, Front-End	\$15.00	\$2.72	\$17.72
Carpenter - Rough	\$15.00	\$2.11	\$17.11	Mechanic - Maintenance	\$16.00	\$2.72	\$18.72
Cement Mason/Finisher	\$12.75	\$1.10	\$13.85	Millwright	\$19.50	\$5.36	\$24.86
Commun Trans Erector	\$17.49	\$4.04	\$21.53	Painter	\$14.25	\$4.25	\$18.50
Concrete Mixing Plant Op	\$14.38	\$4.21	\$18.59	Paver, Bituminous	\$16.00	\$2.12	\$18.12
Concrete Pump Operator	\$15.40	\$7.96	\$23.36	Pipe/Steam/Sprinkler Fitter	\$20.00	\$4.45	\$24.45
Crane Op =>15 Tons	\$19.50	\$4.70	\$24.20	Pipelayer	\$14.75	\$1.18	\$15.93
Crusher Plant Operator	\$16.00	\$3.34	\$19.34	Roller Operator, Earth	\$12.53	\$4.49	\$17.02
Driller, Rock	\$14.75	\$2.10	\$16.85	Roller Op, Pavement	\$15.00	\$3.94	\$18.94
Electrician, Licensed	\$21.00	\$4.27	\$25.27	Screed Operator	\$15.35	\$3.38	\$18.73
Electrician Hlpr (Licensed)	\$14.00	\$1.89	\$15.89	Stone Mason	\$16.24	\$2.04	\$18.28
Excavator Operator	\$16.07	\$2.29	\$18.36	Truck Driver, Light	\$13.75	\$1.26	\$15.01
Fence Setter	\$11.75	\$1.44	\$13.19	Truck Driver, Medium	\$12.98	\$3.12	\$16.10
Flagger	\$11.00	\$0.87	\$11.87	Truck Driver, Heavy	\$12.50	\$1.02	\$13.52
Grade/Scraper Operator	\$17.25	\$2.49	\$19.74	Truck Driver, Tractor Trlr	\$12.95	\$1.78	\$14.73
Hgway Wrkr/Guardrail Inst	\$12.50	\$1.76	\$14.26	Truck Driver, Mixer, Cemnt	\$10.30	\$1.15	\$11.45
Hot Tmp Plant Operator	\$17.75	\$7.46	\$25.21				

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

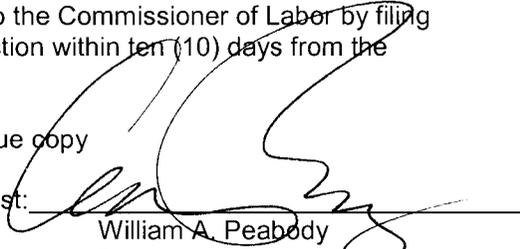
Welders are classified in the trade to which the welding is incidental.

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

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

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

Determination No: HI-010-2007
 Filing Date: January 22, 2007
 Expiration Date: 12-31-2007

A true copy
 Attest: 
 William A. Peabody
 Director
 Bureau of Labor Standards

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 624-6445

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

Title of Project ----- Guardrail Services for 2007

Location of Project -- Region 4

**2007 Fair Minimum Wage Rates
 Highway & Earthwork
 Hancock, Penobscot, Piscataquis,
 Somerset & Washington Counties**

Occupation Title	Minimum			Occupation Title	Minimum		
	Wage	Benefit	Total		Wage	Benefit	Total
Asphalt Raker	\$12.50	\$0.44	\$12.94	Ironworker - Reinforcing	\$18.00	\$10.00	\$28.00
Backhoe Loader Operator	\$13.75	\$1.93	\$15.68	Ironworker - Structural	\$14.75	\$0.52	\$15.27
Bricklayer	\$21.00	\$2.62	\$23.62	Laborers/Helper/Tender	\$10.70	\$1.00	\$11.70
Bulldozer Operator	\$15.50	\$2.55	\$18.05	Laborer - Skilled	\$12.00	\$1.01	\$13.01
Cable Splicer	\$18.50	\$3.56	\$22.06	Line Erector - Power	\$18.01	\$3.71	\$21.72
Carpenter	\$16.50	\$1.84	\$18.34	Loader Op, Front-End	\$14.50	\$2.67	\$17.17
Carpenter - Rough	\$15.00	\$2.11	\$17.11	Mechanic - Maintenance	\$15.00	\$2.71	\$17.71
Cement Mason/Finisher	\$13.25	\$2.03	\$15.28	Millwright	\$19.50	\$5.36	\$24.86
Common Trans Erector	\$17.49	\$4.04	\$21.53	Painter	\$14.25	\$4.25	\$18.50
Concrete Mixing Plant Op	\$14.25	\$3.93	\$18.18	Paver, Bituminous	\$14.50	\$2.80	\$17.30
Concrete Pump Operator	\$15.40	\$7.96	\$23.36	Pipe/Steam/Sprinkler Fitter	\$20.00	\$4.45	\$24.45
Crane Op =>15 Tons	\$19.50	\$4.70	\$24.20	Pipelayer	\$15.00	\$1.19	\$16.19
Crusher Plant Operator	\$17.17	\$3.68	\$20.85	Roller Operator, Earth	\$12.80	\$4.63	\$17.43
Driller, Rock	\$14.75	\$2.10	\$16.85	Roller Op, Pavement	\$17.33	\$6.72	\$24.05
Electrician, Licensed	\$21.00	\$4.27	\$25.27	Screed Operator	\$14.58	\$3.38	\$17.96
Electrician Hlpr (Licensed)	\$14.00	\$1.89	\$15.89	Stone Mason	\$16.24	\$2.04	\$18.28
Excavator Operator	\$14.63	\$2.47	\$17.10	Truck Driver, Light	\$13.75	\$1.26	\$15.01
Fence Setter	\$10.50	\$1.70	\$12.20	Truck Driver, Medium	\$12.50	\$3.14	\$15.64
Flagger	\$9.25	\$0.37	\$9.62	Truck Driver, Heavy	\$11.50	\$0.93	\$12.43
Grade/Scraper Operator	\$16.00	\$1.72	\$17.72	Truck Driver, Tractor Trlr	\$12.50	\$1.18	\$13.68
Hgway Wrkr/Guardrail Inst	\$12.00	\$1.70	\$13.70	Truck Driver, Mixer, Cemnt	\$10.30	\$1.15	\$11.45
Hot Tc p Plant Operator	\$17.33	\$7.63	\$24.96				

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

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

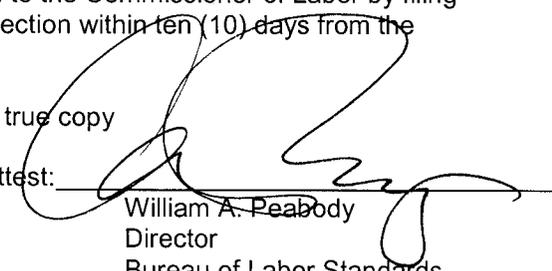
Apprentices - The minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

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

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

Determination No: HI-011-2007
 Filing Date: January 17, 2007
 Expiration Date: 12-31-2007

A true copy

Attest: 
 William A. Peabody
 Director
 Bureau of Labor Standards

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Technical Services Division
 Augusta, Maine 04333-0045
 Telephone (207) 624-6445

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

Title of Project ----- Guardrail Services for 2007

Location of Project -- Region 5

**2007 Fair Minimum Wage Rates
 Highway & Earthwork
 Aroostook, Penobscot, Piscataquis &
 Washington Counties**

<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Minimum Total</u>	<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Minimum Total</u>
Asphalt Raker	\$12.50	\$2.00	\$14.50	Ironworker - Reinforcing	\$18.00	\$10.00	\$28.00
Backhoe Loader Operator	\$13.72	\$2.17	\$15.89	Ironworker - Structural	\$14.75	\$0.52	\$15.27
Bricklayer	\$21.00	\$2.62	\$23.62	Laborers/Helper/Tender	\$10.50	\$3.34	\$13.84
Bulldozer Operator	\$15.21	\$4.97	\$20.18	Laborer - Skilled	\$12.00	\$1.13	\$13.13
Cable Splicer	\$18.50	\$3.56	\$22.06	Line Erector - Power	\$18.01	\$3.71	\$21.72
Carpenter	\$16.50	\$1.84	\$18.34	Loader Op, Front-End	\$15.00	\$3.60	\$18.60
Carpenter - Rough	\$15.00	\$2.11	\$17.11	Mechanic - Maintenance	\$15.50	\$4.00	\$19.50
Cement Mason/Finisher	\$12.88	\$2.84	\$15.72	Millwright	\$19.50	\$5.36	\$24.86
Comm'n Trans Erector	\$17.49	\$4.04	\$21.53	Painter	\$14.25	\$4.25	\$18.50
Concrete Mixing Plant Op	\$14.25	\$3.93	\$18.18	Paver, Bituminous	\$17.33	\$3.66	\$20.99
Concrete Pump Operator	\$15.40	\$7.96	\$23.36	Pipe/Steam/Sprinkler Fitter	\$20.00	\$4.45	\$24.45
Crane Op =>15 Tons	\$19.50	\$4.70	\$24.20	Pipelayer	\$15.00	\$1.19	\$16.19
Crusher Plant Operator	\$17.33	\$4.89	\$22.22	Roller Operator, Earth	\$12.68	\$4.64	\$17.32
Driller, Rock	\$14.75	\$2.10	\$16.85	Roller Op, Pavement	\$17.33	\$7.80	\$25.13
Electrician, Licensed	\$21.00	\$4.27	\$25.27	Screed Operator	\$15.35	\$3.38	\$18.73
Electrician Hlpr (Licensed)	\$14.00	\$1.89	\$15.89	Stone Mason	\$16.24	\$2.04	\$18.28
Excavator Operator	\$14.86	\$2.67	\$17.53	Truck Driver, Light	\$13.75	\$1.26	\$15.01
Fence Setter	\$11.75	\$1.44	\$13.19	Truck Driver, Medium	\$12.50	\$3.12	\$15.62
Flagger	\$7.50	\$0.00	\$7.50	Truck Driver, Heavy	\$11.50	\$1.13	\$12.63
Grader/Scraper Operator	\$16.00	\$1.54	\$17.54	Truck Driver, Tractor Trlr	\$12.00	\$1.87	\$13.87
Hgway Wrkr/Guardrail Inst	\$10.50	\$1.70	\$12.20	Truck Driver, Mixer, Cemnt	\$10.30	\$1.15	\$11.45
Hot Top Plant Operator	\$17.33	\$7.80	\$25.13				

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

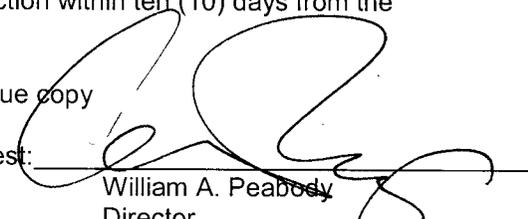
Welders are classified in the trade to which the welding is incidental.

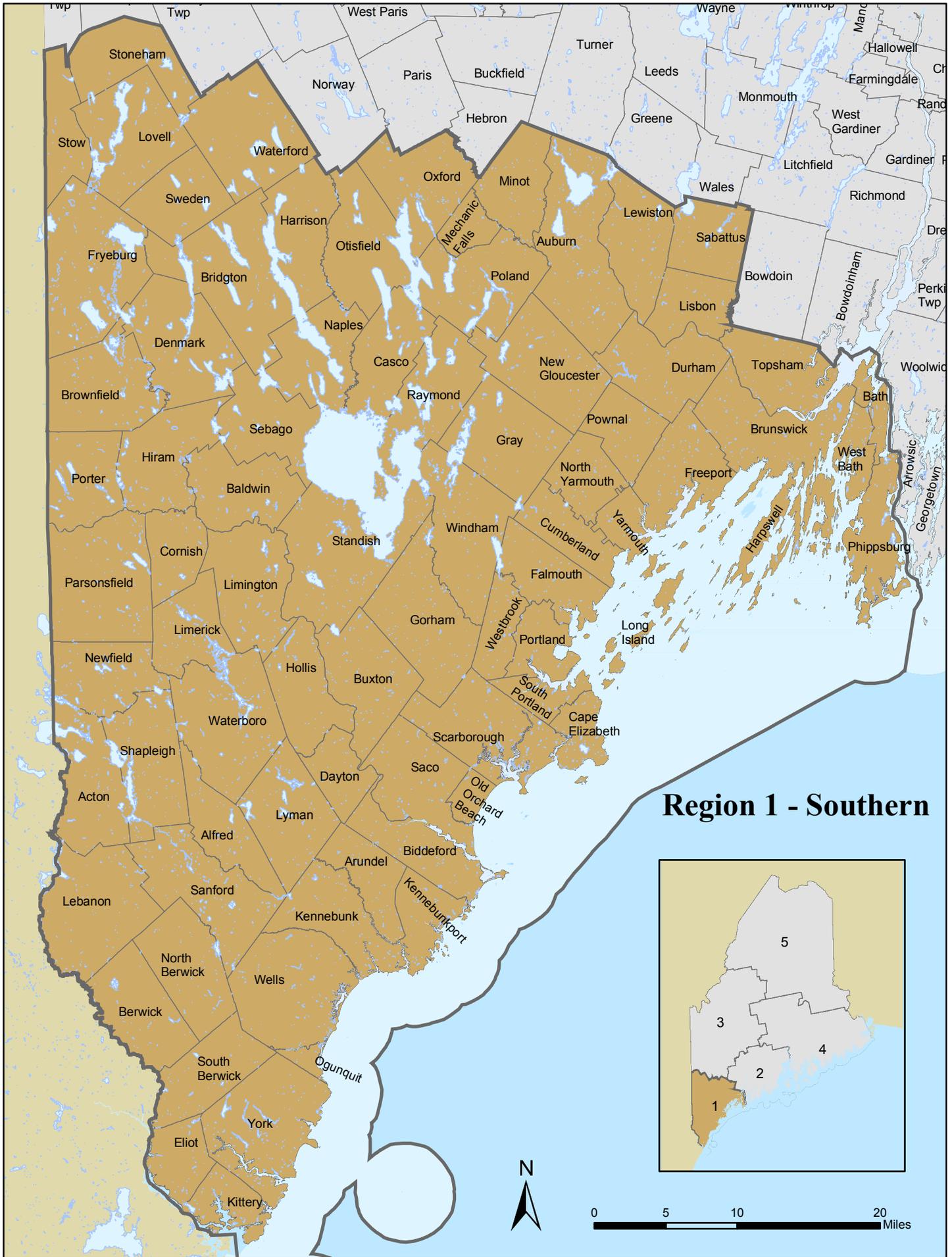
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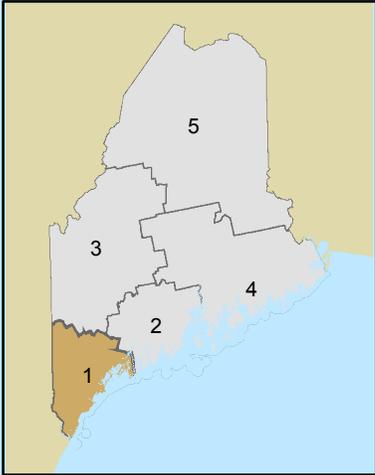
Appeal - Any person affected by the determination of these rates may appeal to the Commissioner of Labor by filing a written notice with the Commissioner stating the specific grounds of the objection within ten (10) days from the filing of these rates with the Secretary of State.

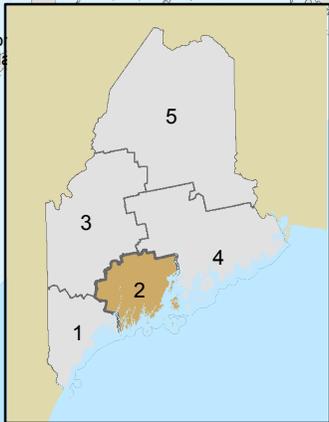
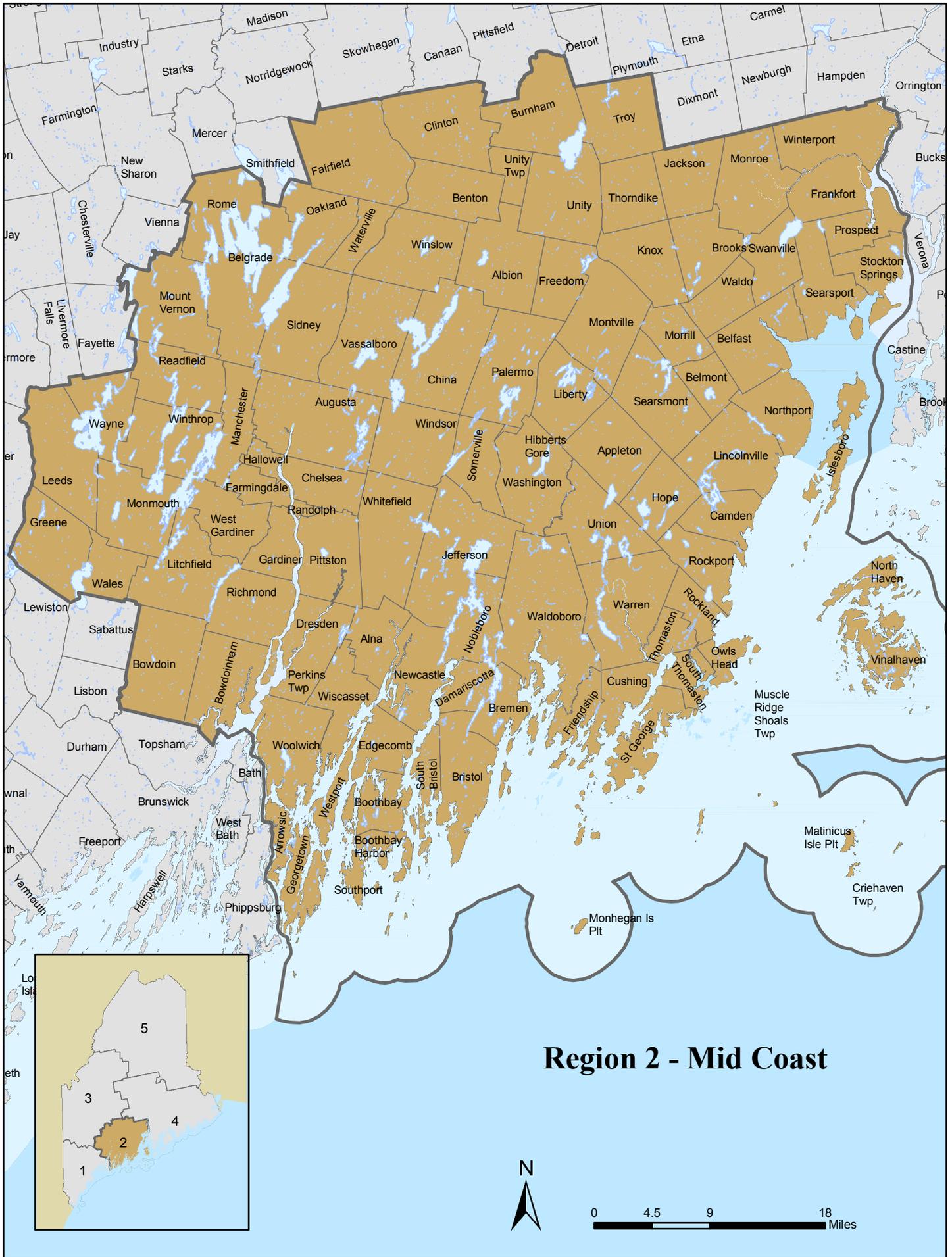
Determination No: HI-012-2007
 Filing Date: January 17, 2007
 Expiration Date: 12-31-2007

A true copy
 Attest: 
 William A. Peabody
 Director
 Bureau of Labor Standards

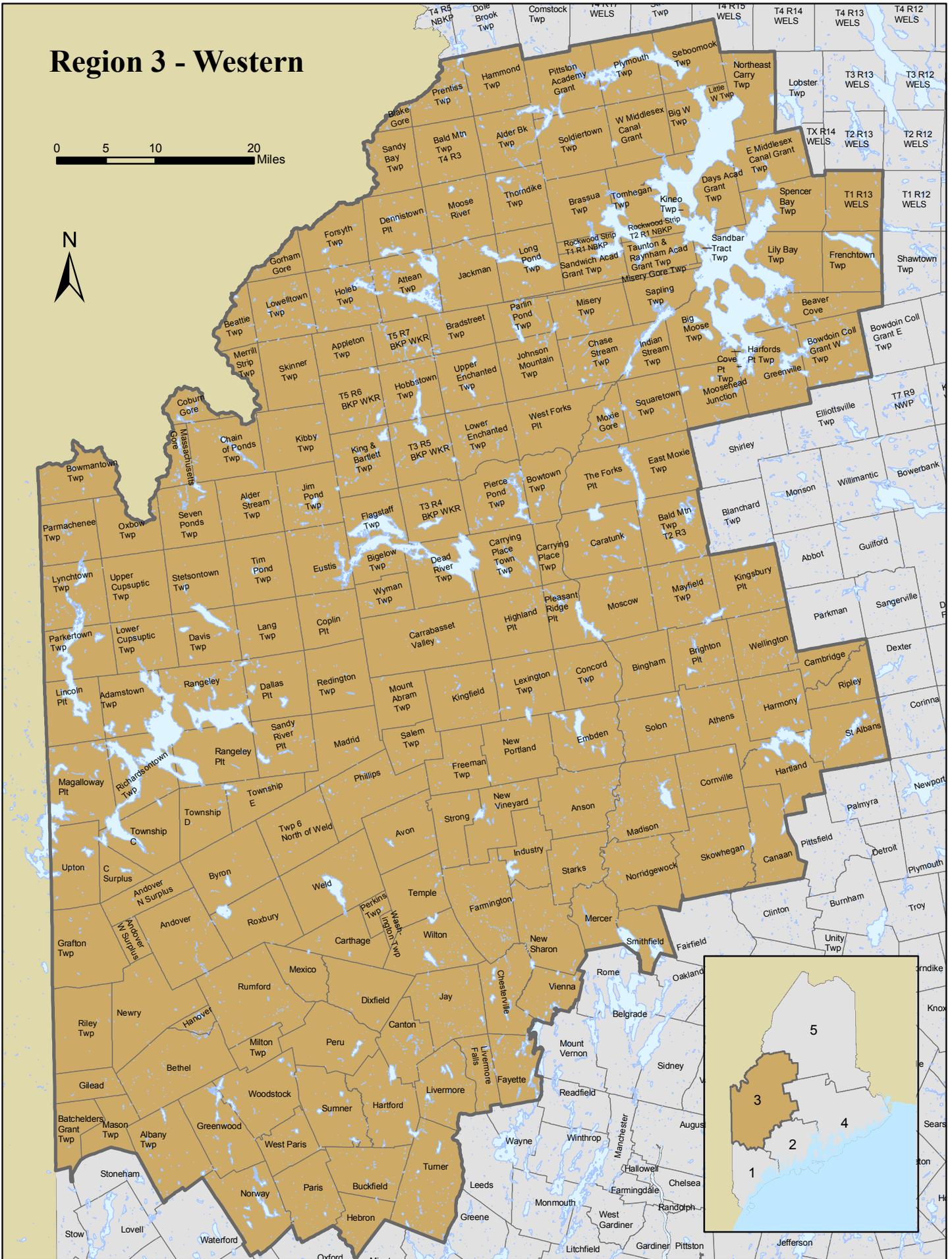


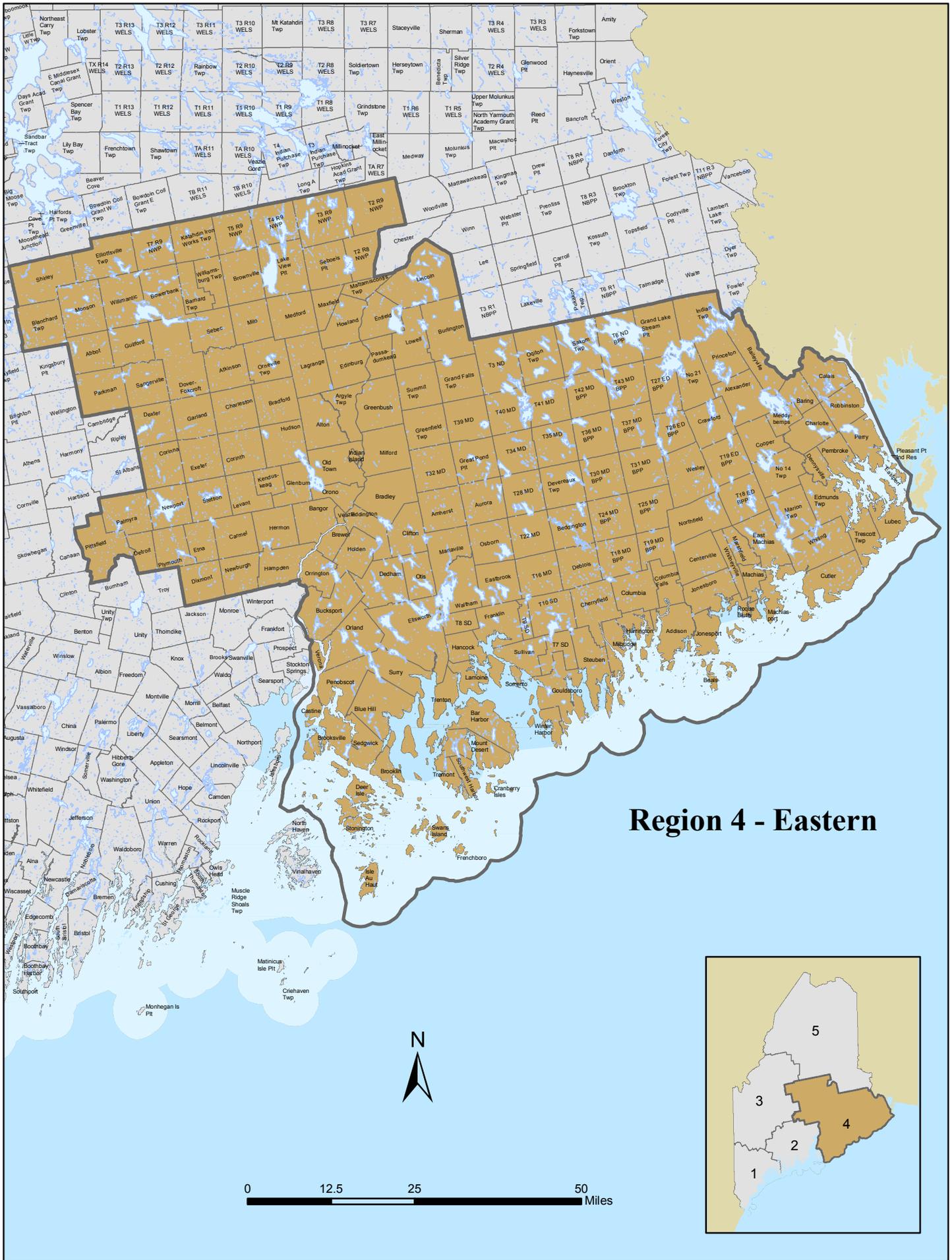
Region 1 - Southern



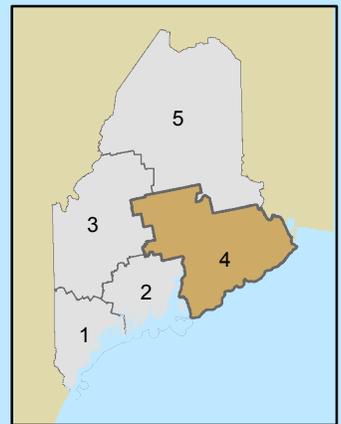


Region 3 - Western

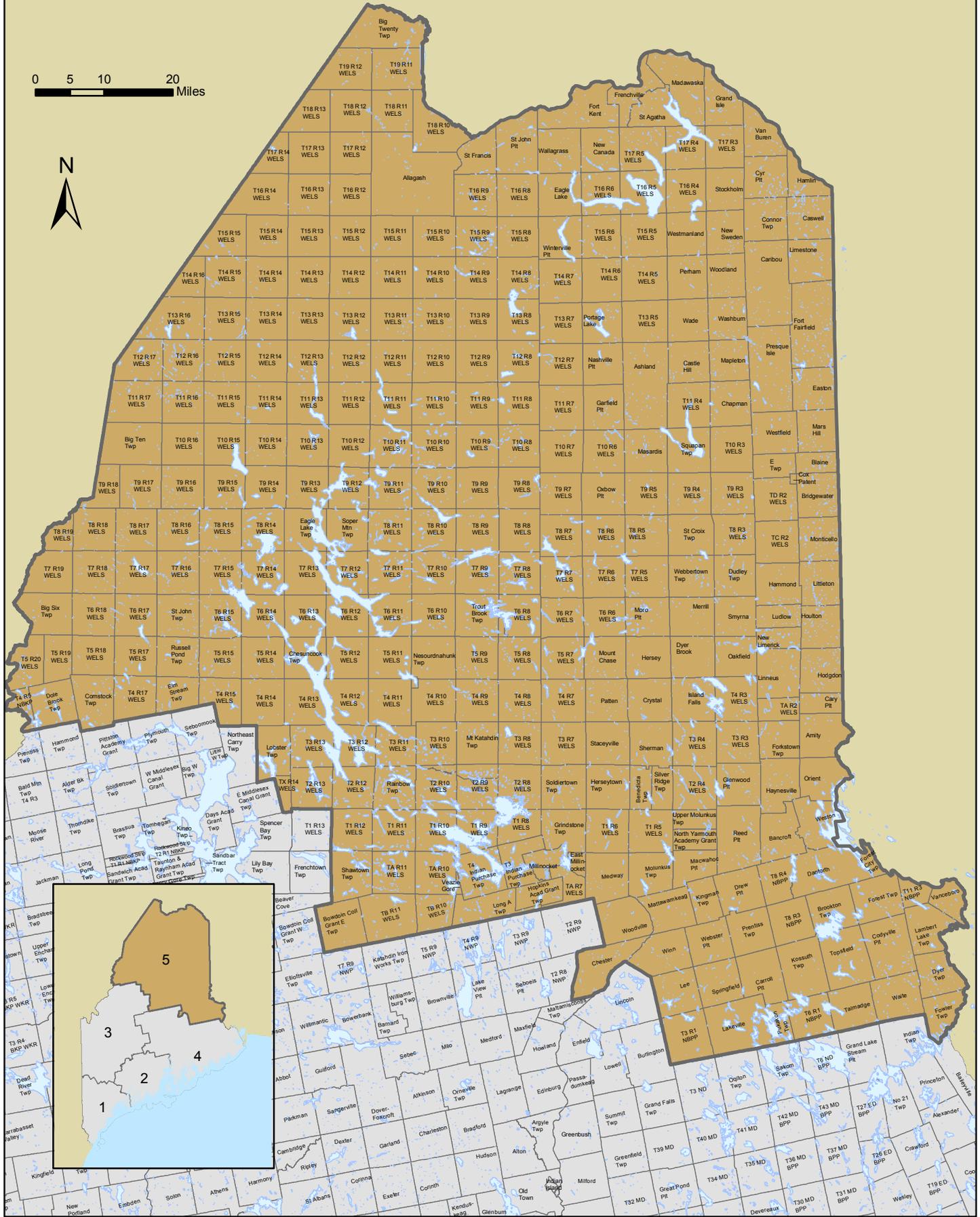




Region 4 - Eastern



Region 5 - Northern



SPECIAL PROVISION
SECTION 606
GUARDRAIL

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. The types of guardrail are designated as follows:

Type 3-Galvanized steel "w" beam, wood posts or galvanized steel posts.

Type 3a-Galvanized steel "w" beam, wood posts, wood or composite offset blocks.

Type 3aa-Corrosion resistant steel "w" beam, wood posts, wood or composite offset blocks.

Type 3b-Galvanized steel "w" beam, galvanized steel posts, galvanized steel offset blocks.

Type 3c-Galvanized steel "w" beam, wood posts or galvanized steel posts, wood or composite offset blocks.

Type 3d-Galvanized steel "w" beam, galvanized steel posts, wood or composite offset blocks.

Thrie Beam-Galvanized steel thrie beam, wood posts or galvanized steel posts, wood or composite offset blocks.

Median barriers shall consist of two beams of the above types, mounted on single posts. Except for thrie beam, median barriers may include rub rails when called for.

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 endpost 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:

Timber Preservative	708.05
Metal Beam Rail	710.04
Guardrail Posts	710.07
Guardrail Hardware	710.08

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, 2.44m [8 ft] long, 3.72 kg/m [2 ½ lb/ft] minimum and have 9.5 mm [3/8 in] round holes, 25 mm [1 in] center to center for a minimum distance of 610 mm [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 end treatment's terminal and its tangent point, both at the leading and trailing ends of each run of guardrail. The marker's flexible posts shall be grey 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 end treatment is not flared, markers will only be required at the end treatment's terminal. 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 Maine DOT's Approved Product List of Guardrail Material. The marker shall be grey, flexible, durable, and of a non-discoloring material to which 75 mm [3 in] by 225 mm [9 in] reflectors shall be applied, and capable of recovering from repeated impacts. 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 20 m [62.5 ft] intervals or every tenth post on tangents and at approximately 10 m [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 Detail 606(07). 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 Approved Products List and shall be NCHRP 350 tested and approved.

The Guardrail 350 Flared Terminal shall be a terminal with a 1.2 m [4 ft] offset as shown in the Manufacturer's installation instructions.

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 13 mm [½ in]. 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 meter [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.

Terminal section, low volume end, NCHRP 350 end treatments, reflectorized flexible guardrail marker, terminal end, 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 measured by the cubic meter [cubic yard] determined from the actual depth of the hole and a hypothetical circle diameter of 600 mm [2 ft].

606.09 Basis of Payment The accepted quantities of guardrail will be paid for at the contract unit price per meter [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. Terminal section, buffer end, NCHRP 350 end treatment, bridge connection, single post and reflectorized flexible guardrail markers will be paid for at the contract unit price each for the kind specified complete in place.

NCHRP 350 end treatments and low volume guardrail ends 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. Each end treatment will be clearly marked with the manufacturers 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 Pay Item 206.07. 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 75 mm [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 350 flared terminal shall also include a set of installation drawings supplied to the Resident.

Anchorage 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 45 m [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 meter and will be full compensation for adjusting to grade. Payment shall also include adjusting terminal end treatments where required.

Modify guardrail will be paid for at the contract unit price per meter 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 terminal ends where required.

Remove and Reset guardrail will be paid for at the contract unit price per meter 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 terminal ends when required. 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.

Remove, Modify, and Reset guardrail will be paid for at the contract unit price per meter 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.

Payment will be made under:

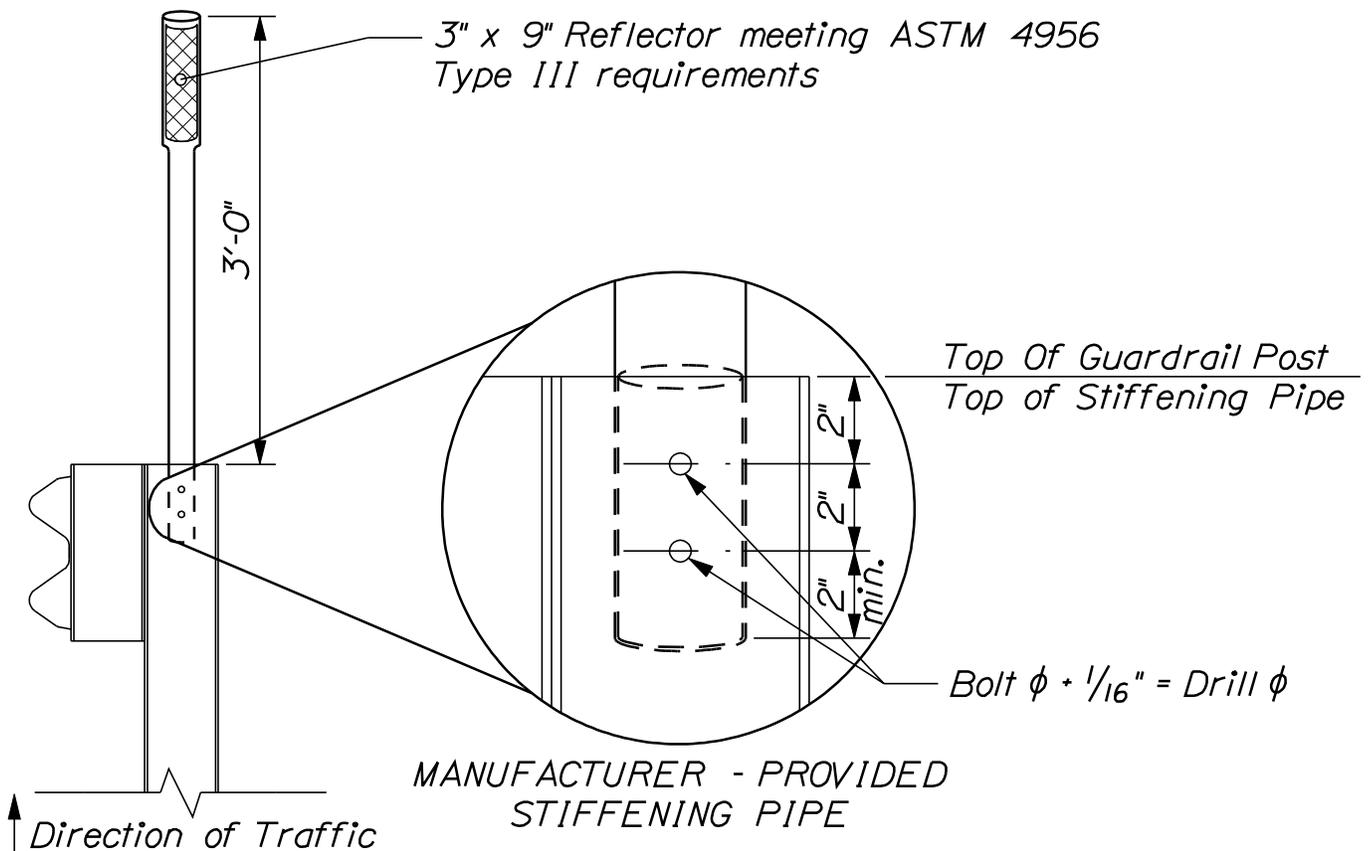
<u>Pay Item</u>	<u>Pay Unit</u>	
606.15	Guardrail Type 3a-Single Rail	meter [Linear Foot]
606.151	Guardrail Type 3aa-Single Rail	meter [Linear Foot]
606.17	Guardrail Type 3b-Single Rail	meter [Linear Foot]
606.1721	Bridge Transition - Type I	Each
606.1722	Bridge Transition - Type II	Each
606.1731	Bridge Connection - Type I	Each
606.1732	Bridge Connection - Type II	Each
606.178	Guardrail Beam	meter [Linear foot]
606.18	Guardrail Type 3b - Double Rail	meter [Linear foot]
606.19	Guardrail Type 3a - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.191	Guardrail Type 3aa - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.20	Guardrail Type 3a - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.201	Guardrail Type 3aa - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.21	Guardrail Type 3b - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.22	Guardrail Type 3b - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.23	Guardrail Type 3c - Single Rail	meter [Linear Foot]
606.2301	Guardrail Type 3c - Double Rail	meter [Linear Foot]
606.231	Guardrail Type 3c - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.232	Guardrail Type 3c - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.24	Guardrail Type 3d - Single Rail	meter [Linear Foot]
606.2401	Guardrail Type 3d - Double Rail	meter [Linear Foot]
606.241	Guardrail Type 3d - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.242	Guardrail Type 3d - over 4.5 m [15 feet] radius	meter [Linear Foot]
606.25	Terminal Connector	Each
606.257	Terminal Connector - Thrie Beam	Each
606.265	Terminal End-Single Rail - Galvanized Steel	Each
606.266	Terminal End-Single Rail - Corrosion Resistant Steel	Each
606.275	Terminal End-Double Rail - Galvanized Steel	Each
606.276	Terminal End-Double Rail - Corrosion Resistant Steel	Each
606.353	Reflectorized Flexible Guardrail Marker	Each
606.354	Remove and Reset Reflectorized Flexible Guardrail Marker	Each
606.356	Underdrain Delineator Post	Each
606.358	Guardrail, Modify, Type 3b to 3c	meter [Linear Foot]
606.3581	Guardrail, Modify Existing to Type 3d	meter [Linear Foot]
606.362	Guardrail, Adjust	meter [Linear Foot]
606.365	Guardrail, Remove, Modify, and Reset, Type 3b to 3c	meter [Linear Foot]
606.3651	Guardrail, Remove, Modify, and Reset Existing to Type 3d	meter [Linear Foot]
606.366	Guardrail, Removed and Reset, Type 3c	meter [Linear Foot]
606.367	Replace Unusable Existing Guardrail Posts	Each
606.47	Single Wood Post	Each
606.48	Single Galvanized Steel Post	Each
606.50	Single Steel Pipe Post	Each

606.51	Multiple Mailbox Support	Each
606.55	Guardrail Type 3 - Single Rail	meter [Linear Foot]
606.551	Guardrail Type 3 - Single Rail with Rub Rail	meter [Linear Foot]
606.56	Guardrail Type 3 - Double Rail	meter [Linear Foot]
606.561	Guardrail Type 3 - Double Rail with Rub Rail	meter [Linear Foot]
606.568	Guardrail, Modify Type 3c -Double Rail	meter [Linear Foot]
606.59	Guardrail Type 3 - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.60	Guardrail Type 3 - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.63	Thrie Beam Rail Beam	meter [Linear Foot]
606.64	Guardrail Thrie Beam - Double Rail	meter [Linear Foot]
606.65	Guardrail Thrie Beam - Single Rail	meter [Linear Foot]
606.66	Terminal End Thrie Beam	Each
606.70	Transition Section - Thrie Beam	Each
606.71	Guardrail Thrie Beam - 4.5 m [15 ft] radius and less	meter [Linear Foot]
606.72	Guardrail Thrie Beam - over 4.5 m [15 ft] radius	meter [Linear Foot]
606.73	Guardrail Thrie Beam - Single Rail Bridge Mounted	meter [Linear Foot]
606.74	Guardrail Type 3 - Single Rail Bridge Mounted	meter [Linear Foot]
606.753	Widen Shoulder for Low Volume Guardrail End - Type 3	Each
606.754	Widen Shoulder for Guardrail 350 Flared Terminal	Each
606.78	Low Volume Guardrail End - Type 3	Each
606.79	Guardrail 350 Flared Terminal	Each

1. ReflectORIZED Flexible Guardrail Markers shall be from Maine DOT's Approved Product List of Guardrail Material.

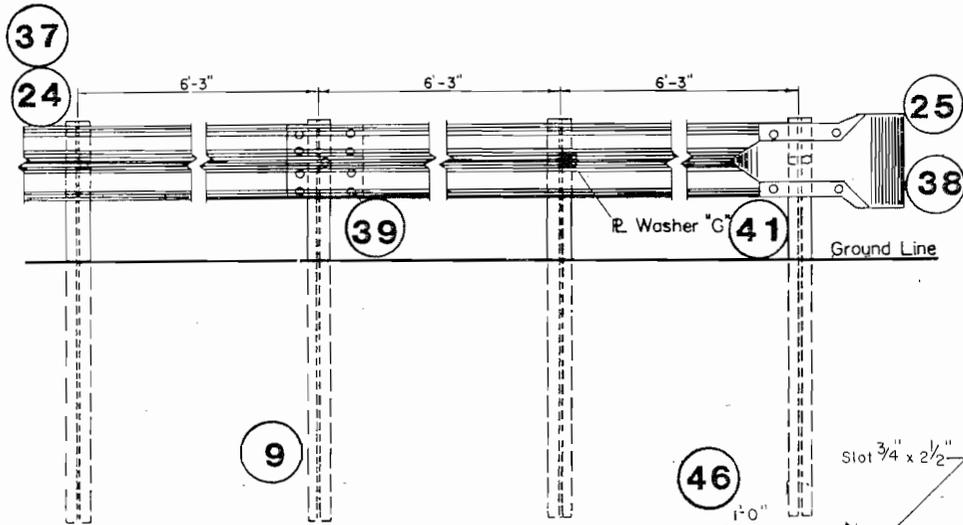
2. Installation:

- a. Each bolt-hole diameter shall be the bolt diameter + $1/16$ ".
- b. Wood post attachment - attach marker with 2, $5/16$ " diameter zinc-coated lag bolts, having 2" of embedment into wood post.
- c. Steel post attachment - attach marker with 2, $1/4$ " diameter zinc-coated bolt, washer and nut assemblies, having $1/2$ " of bolt extension behind steel post.
- d. When provided by the marker manufacturer, a stiffening pipe shall be inserted into the base of the marker prior to drilling bolt holes and shall remain in-place.



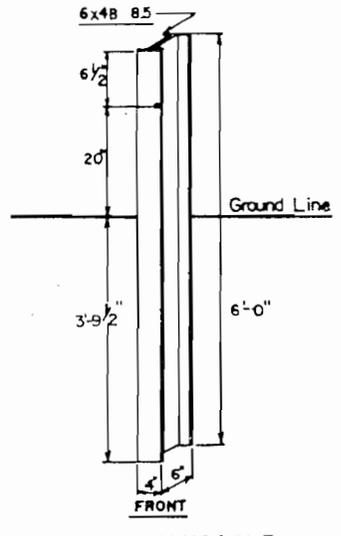
REFLECTORIZED FLEXIBLE GUARDRAIL MARKER DETAILS

606(34)

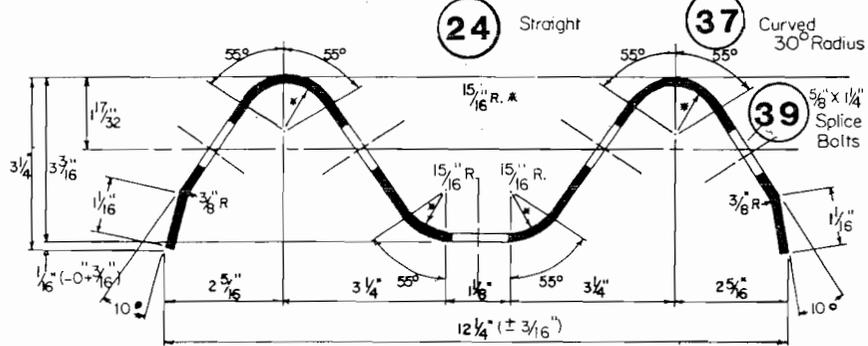
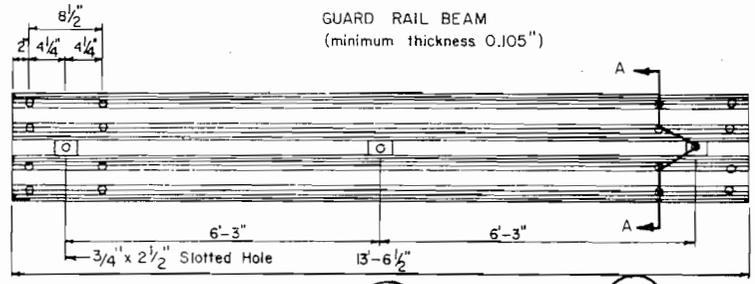


NOTE: "W BEAM" BACKUP PL-0/4 shall be placed behind rail elements at intermediate steel posts (non splice posts) RE-4

Type "3a"-"3b"



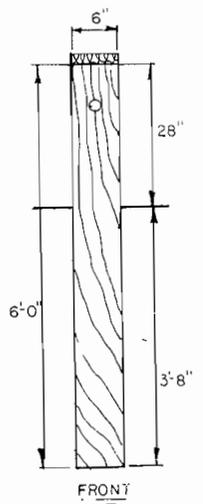
INTERCHANGABLE POST 9
 Note: Posts "2c" & "3b" are interchangeable
 TYPE "2c"



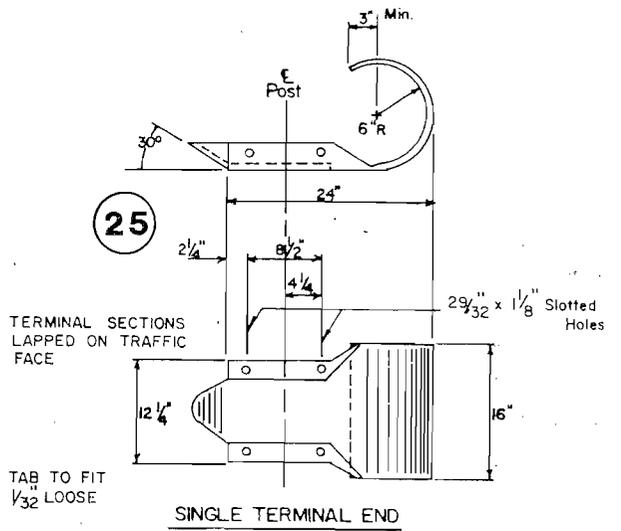
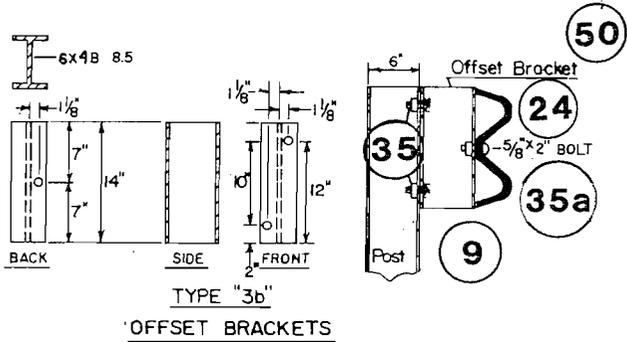
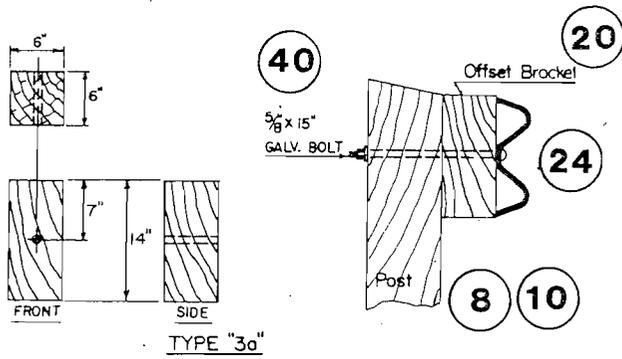
SECTION A-A
 GUARD RAIL PANEL

GUARD RAIL W-BEAM

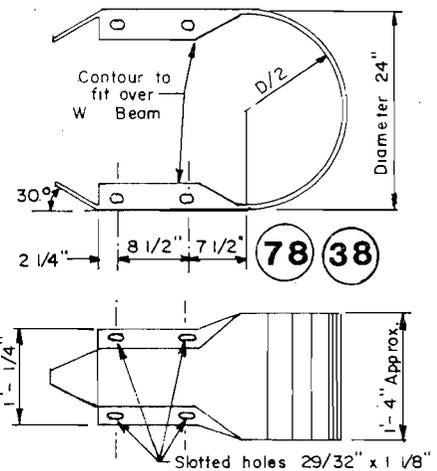
RE-3



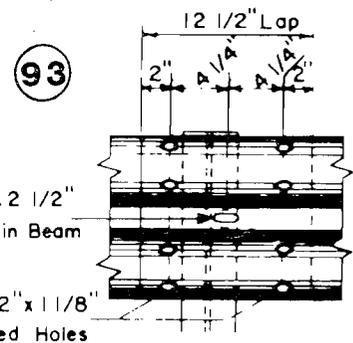
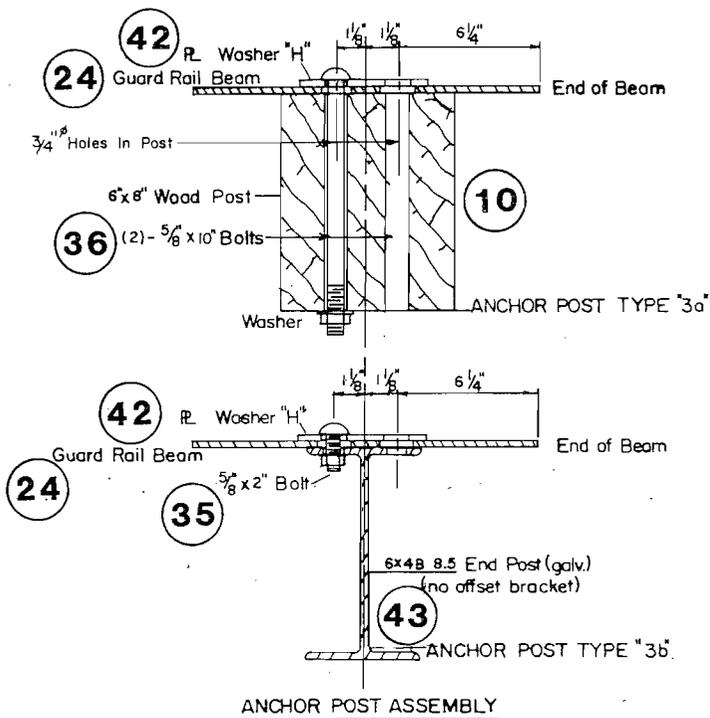
FRONT 8
 TYPE "3a"



RE-6



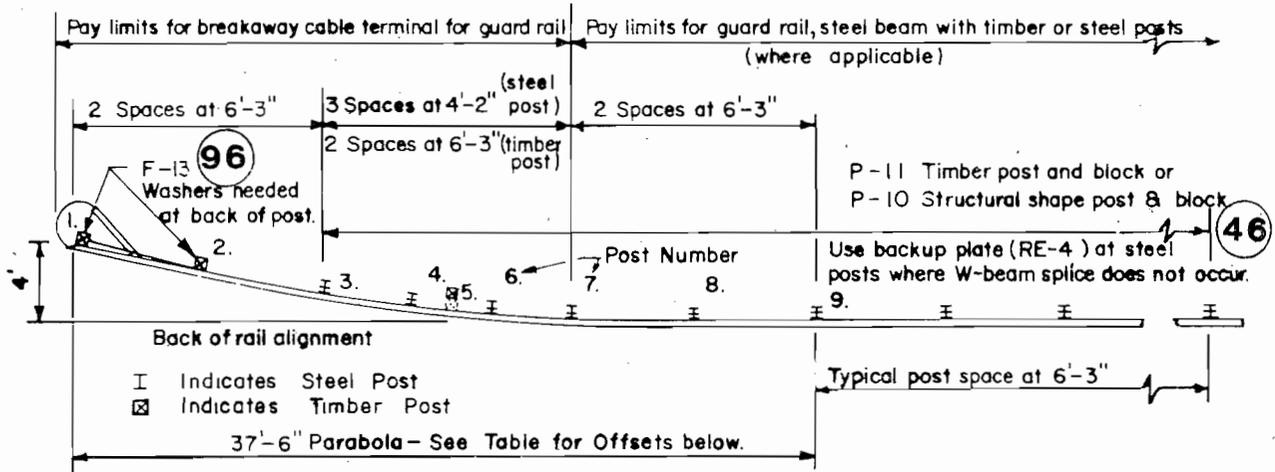
W-BEAM END SECTION (BUFFER) RE-7



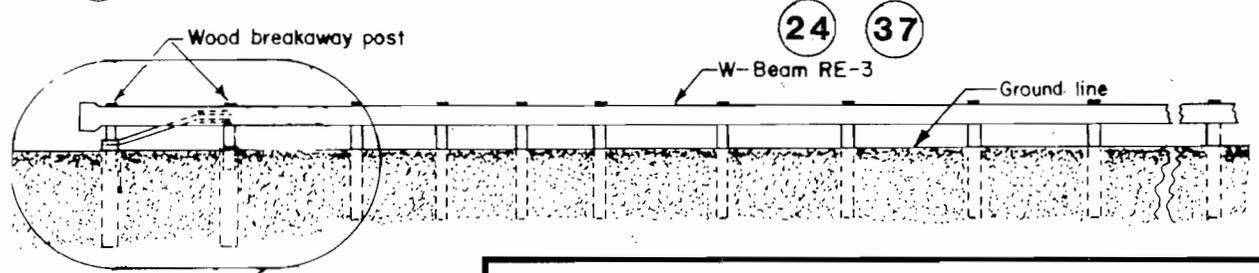
GUARD RAIL SPLICE AT POST

TYPE 3 GUARD RAIL

BREAKAWAY CABLE TERMINAL (BCT)



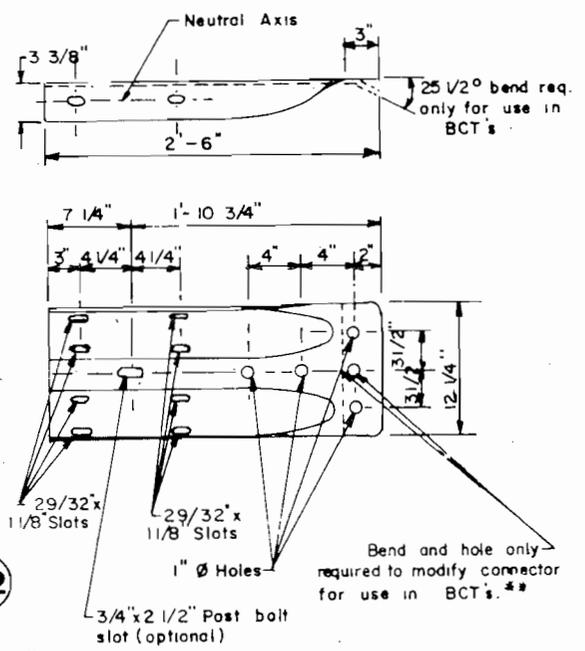
75 SEE 4 DETAIL "A"



DETAIL "A"

Offsets to face of post from back of rail alignment

Post No.	Steel	Timber
1	---	4'-0"
2	---	2'-9 1/2"
3	2'-3 1/2"	2'-3"
4	1'-9"	---
5	---	1'-5 3/4"
6	1'-3 1/2"	---
7	0'-11 1/2"	0'-11"
8	0'-7 1/4"	0'-6 3/4"
9	0'-6"	0'-5 1/2"



** To obtain BCT details show part number as RE-8 (BCT) - 79

W-BEAM TERMINAL CONNECTOR

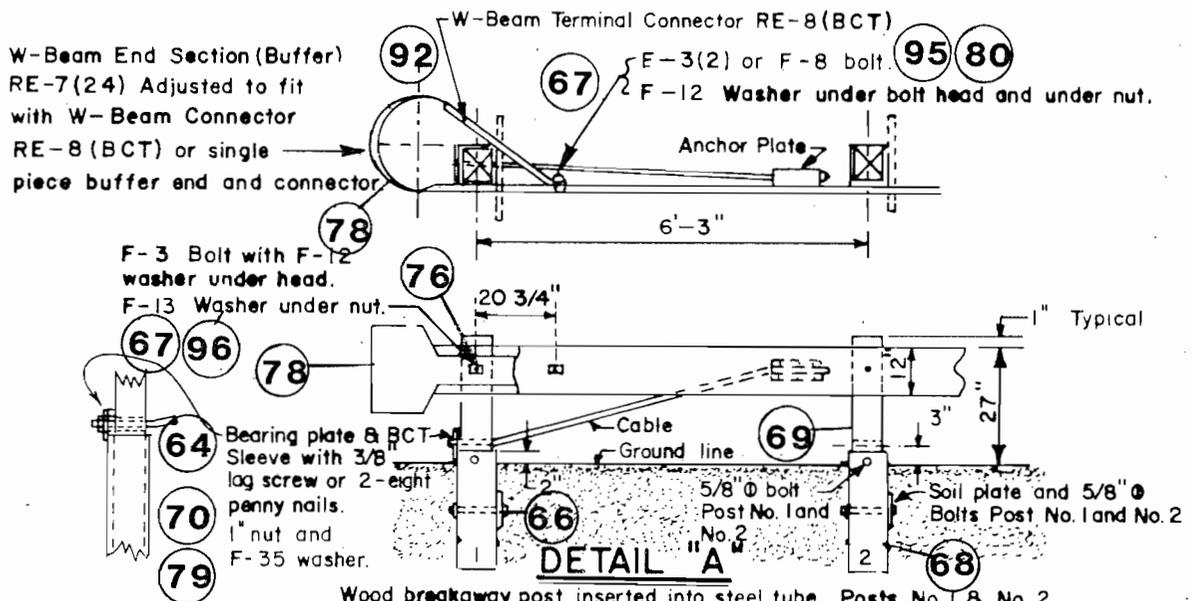
RE-8

3

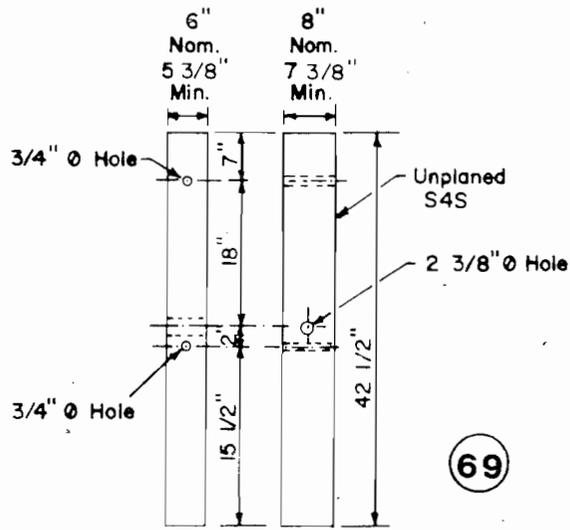
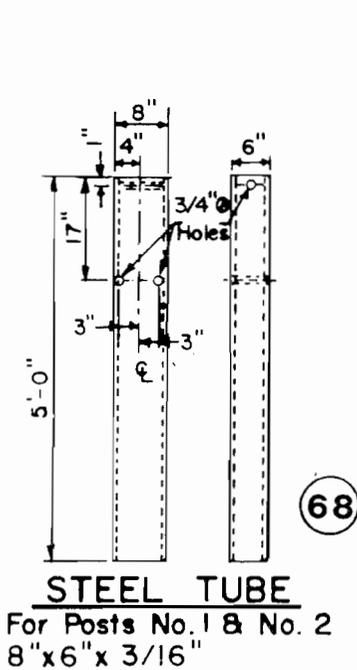
BREAKAWAY CABLE TERMINAL

DETAIL "A"

75

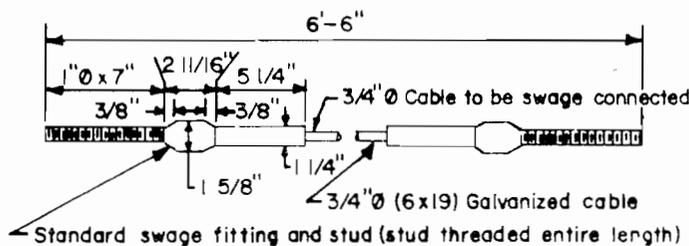


Wood breakaway post inserted into steel tube. Posts No. 1 & No. 2. Trim posts on all 4 sides to provide 1/8" clearance on the inserted portion of the post.



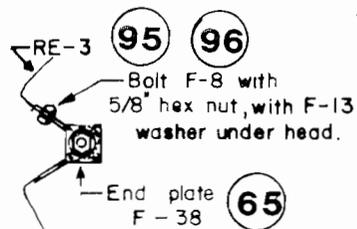
WOOD BREAKAWAY POSTS No. 1 & No. 2

(Not a standard P-59 BCT terminal post)
 Corners of posts to be rounded to fit fillet in steel tube

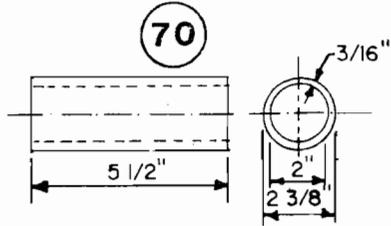


CABLE ASSEMBLY

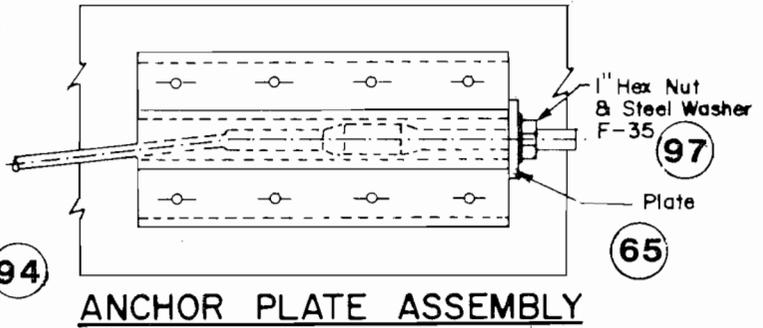
F-37



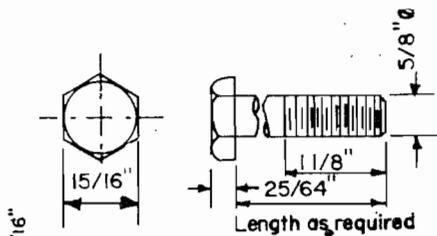
BREAKAWAY CABLE TERMINAL



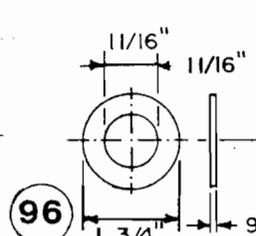
70
BCT SLEEVE
For Post No. 1 Only
F-34



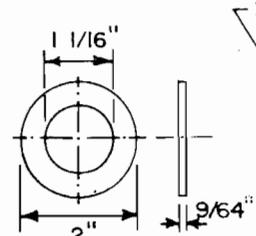
65
ANCHOR PLATE ASSEMBLY



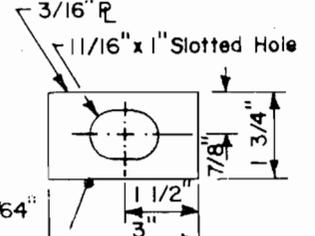
95
BOLT
F-8



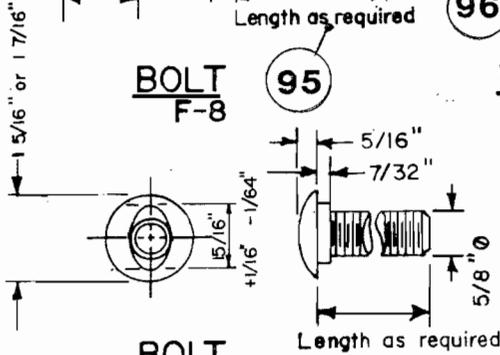
96
WASHER
F-13



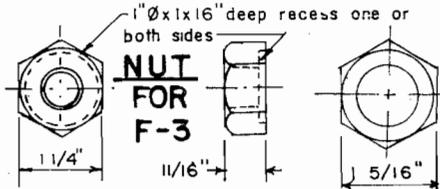
79
WASHER
F-35



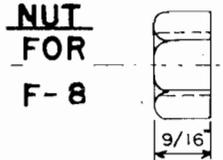
67
WASHER
F-12



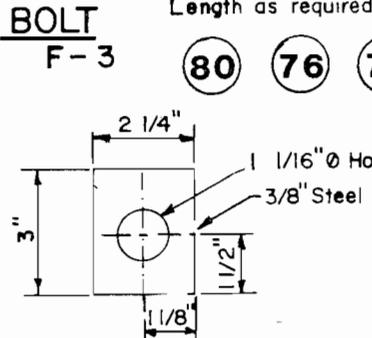
80
BOLT
F-3



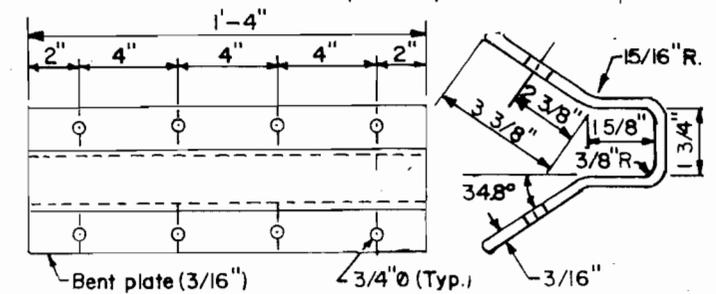
80
NUT
FOR
F-3



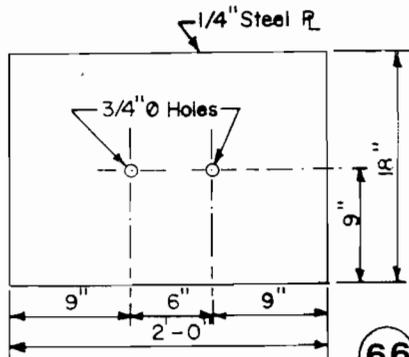
77
NUT
FOR
F-8



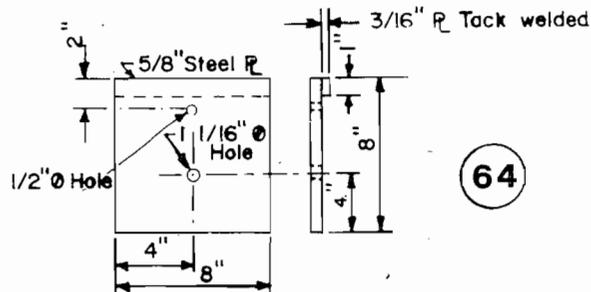
65
END PLATE
F-38



63
ANCHOR PLATE
RE-71

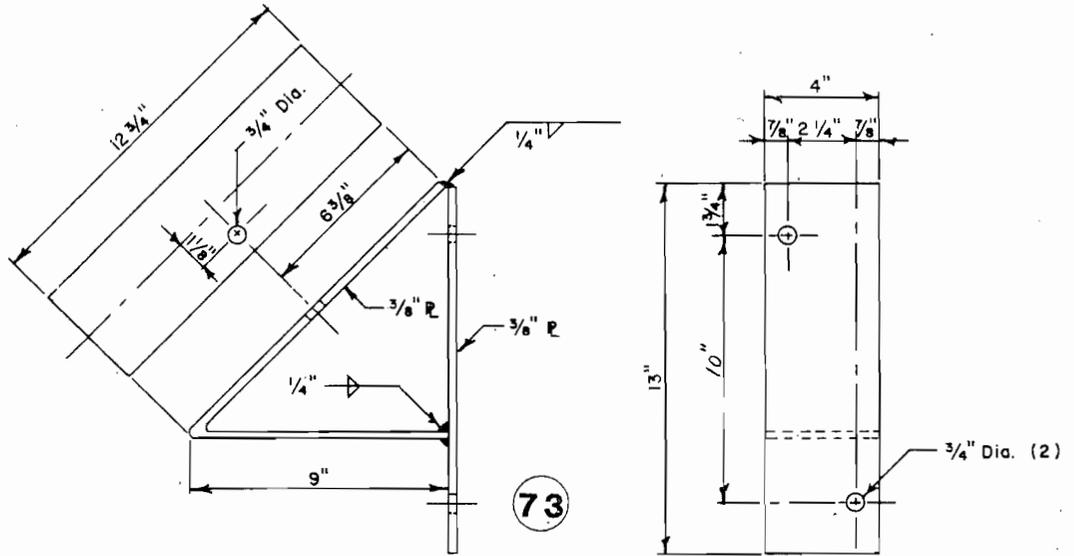


66
SOIL PLATE

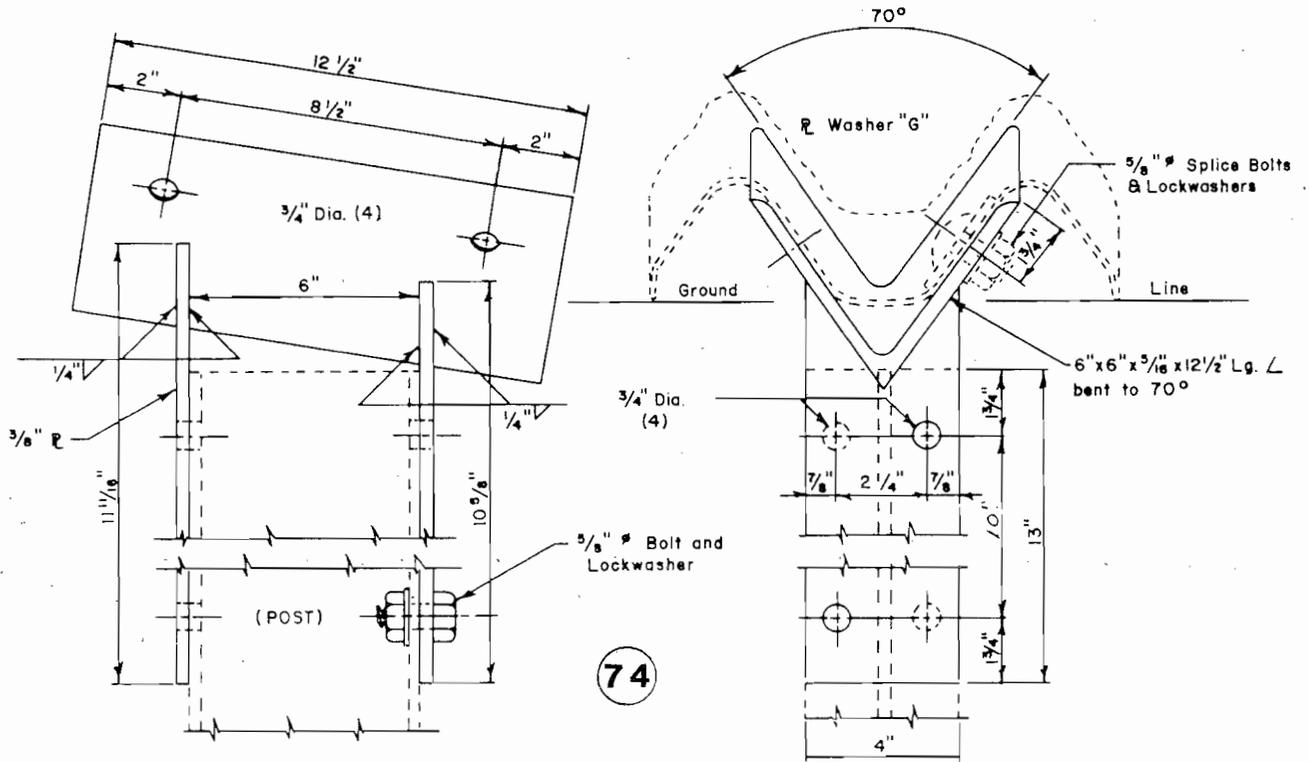


64
BEARING PLATE

TWISTED END SECTION ANCHOR DETAIL



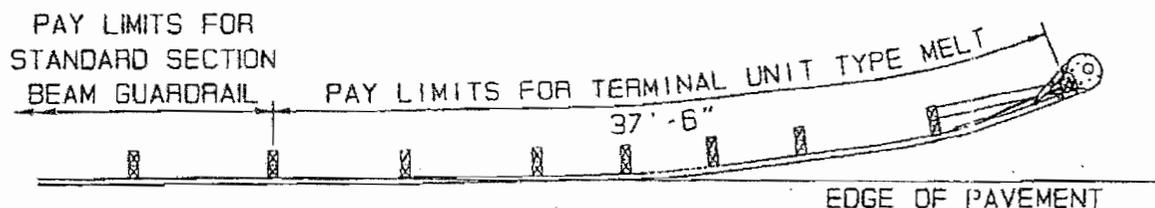
45° BRACKET



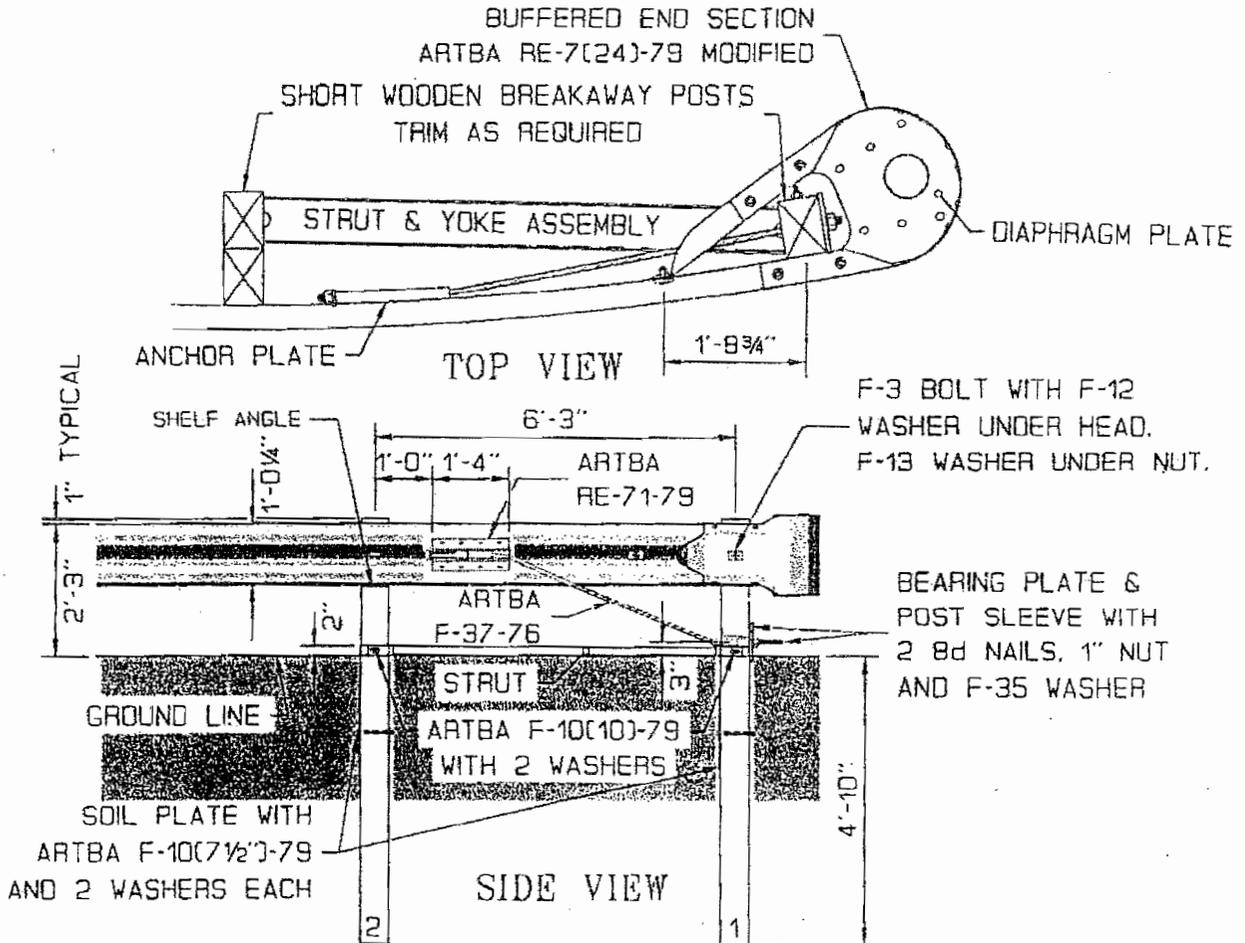
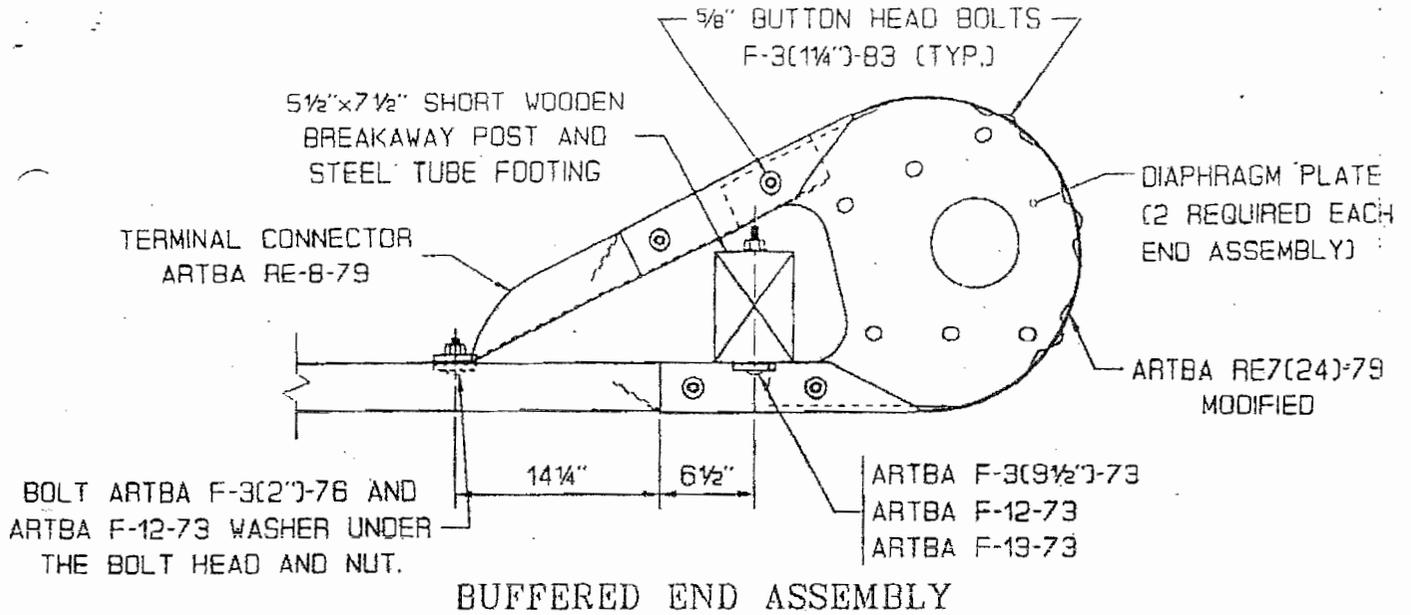
ANCHOR BRACKET

M.E.L.T. NOTES

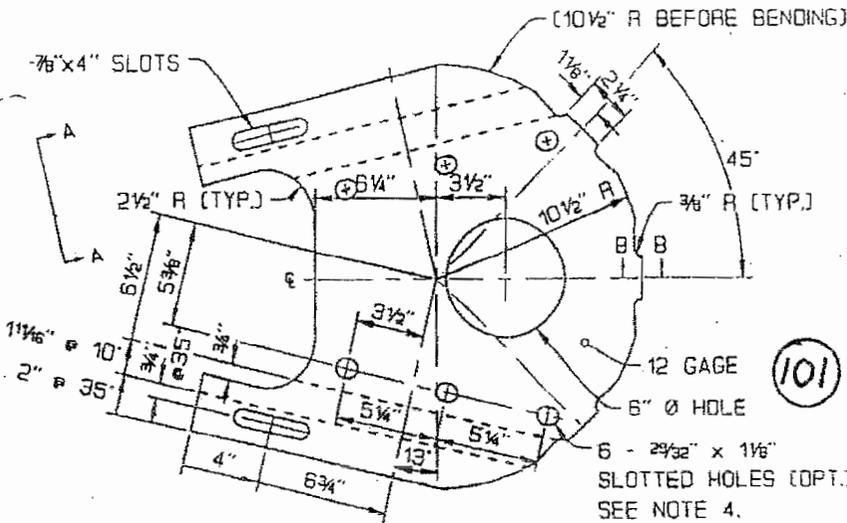
1. For description and specification of part identified "ARTBA" see report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee. A GUIDE TO STANDARDIZED HIGHWAY BARRIER RAIL HARDWARE.
2. All angles, channels and plates shall conform to the requirements of A.S.T.M. A36 and structural tubing to A.S.T.M. A500 or A.S.T.M. A513, Grade 1008. Diaphragm plate shall conform to A.S.T.M. A36 or AASHTO M-180. Welding shall meet the current requirements of the American Welding Society Structural Welding Code ANSI/AASHTO/AWS D1.5. All structural steel shall be galvanized in accordance with A.S.T.M. A123. No punching, drilling, cutting or welding will be permitted after galvanizing.
3. Short Wooden Breakaway Post shall be made of S4S timber with a stress grade of 1200 psi and shall be grademarked or certified by a recognized association or agency which is certified by the Board of Review, American Lumber Standards Committee, to grade the species. It shall receive a preservative treatment in accordance with AASHTO designation M-133.
4. Optional holes are for insertion of Nose Expansion Block when required.
5. The post offset dimensions are given to the center of the traffic face of the blockouts, except at the first post where the dimension is to the center of the traffic face of the post. Offset points are to be located by chord measurements at the back of rail equal to the nominal post spacings shown. Posts are to be set approximately radial to the railing at each post location.
6. 12" x 36" Type III Retroreflective Adhesive Sheeting shall be applied to the approach buffer end section after curving, but prior to the installation of button head bolts as follows:
 - One-way Roadways: Solid White on the right side of the road and solid yellow on the left side.
 - Two-way Roadways: Solid white on the right side of the road with NO sheeting on the left side.



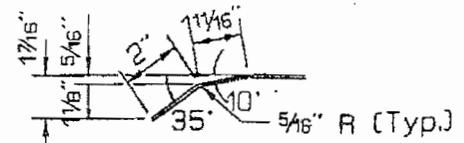
MODIFIED ECCENTRIC LOADER TERMINAL



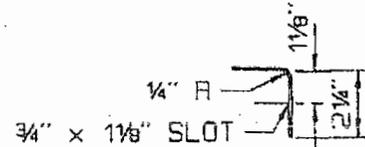
SHORT WOOD BREAKAWAY POST INSERTED INTO STEEL TUBE POSTS NO. 1 & NO. 2.
TRIM POSTS ON ALL 4 SIDES TO PROVIDE 1/8" CLEARANCE ON THE INSERTED
PORTION OF THE POST. CORNERS MUST BE ROUNDED TO FIT FILLET IN STEEL TUBES.



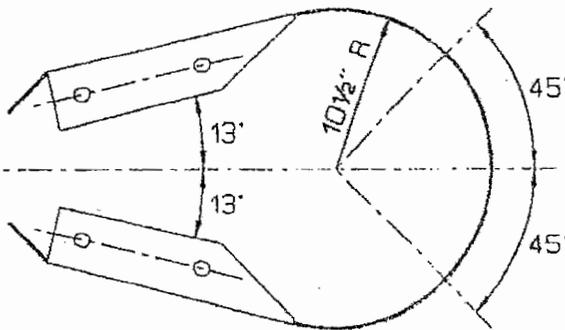
DIAPHRAGM PLATE DETAIL
(2 REQUIRED EACH TERMINAL)



DIAPHRAGM PLATE DETAIL
VIEW A-A

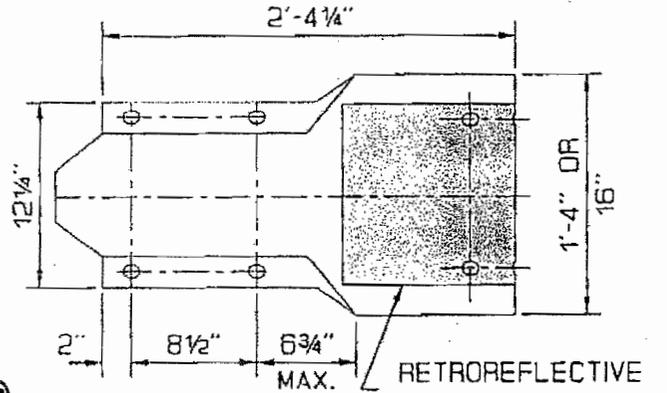


DIAPHRAGM PLATE DETAIL
VIEW B-B

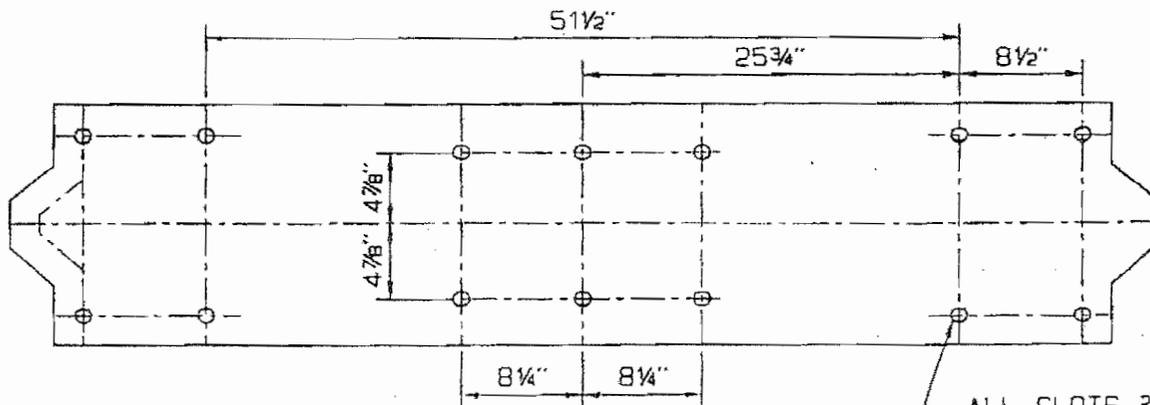


BUFFERED END SECTION
PLAN

102

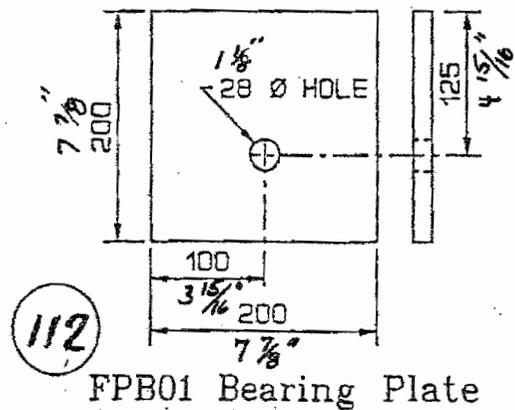
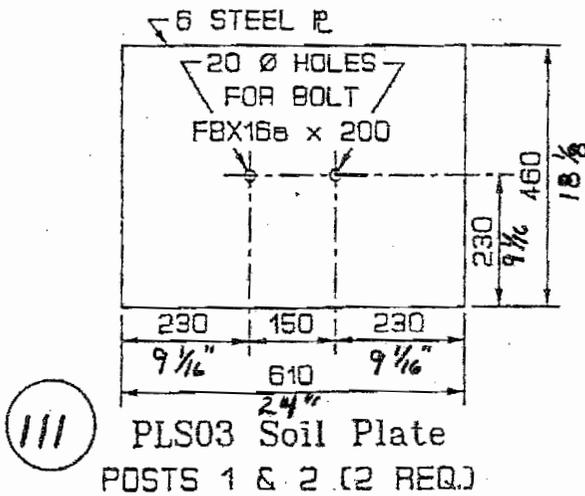
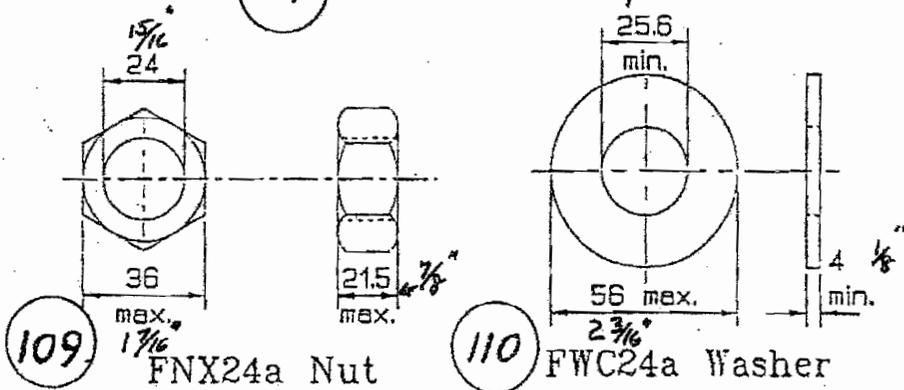
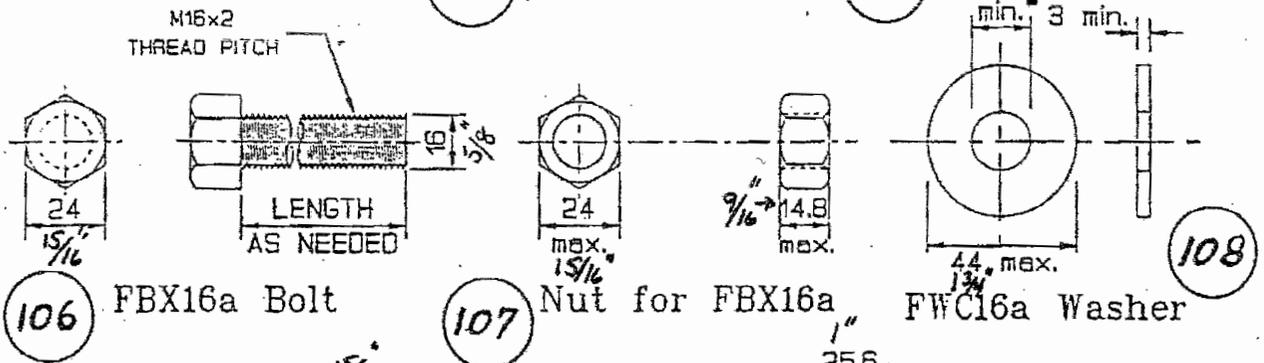
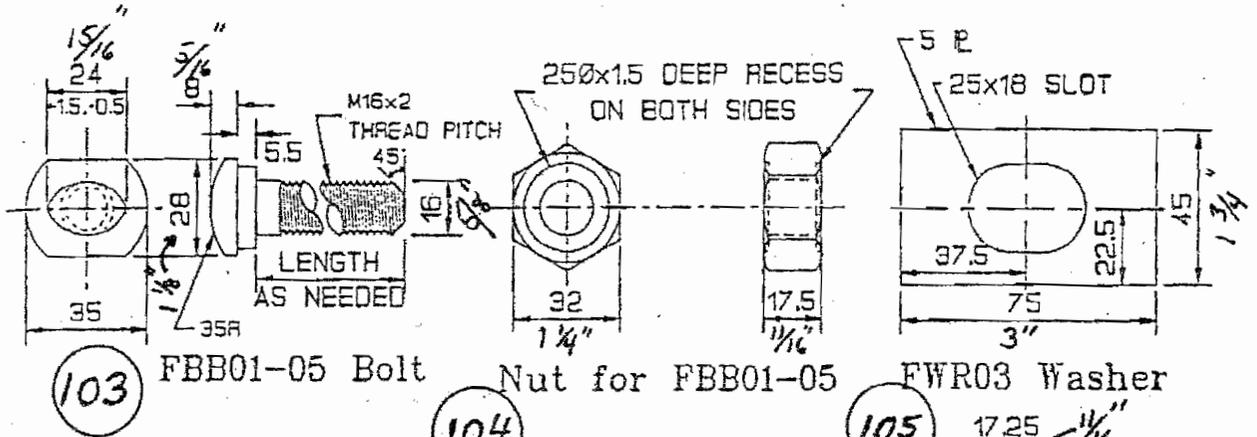


BUFFERED END SECTION
ELEVATION



BUFFERED END SECTION
FLAT PLATE LAYOUT
(Modified ARTBA RE-7-79)

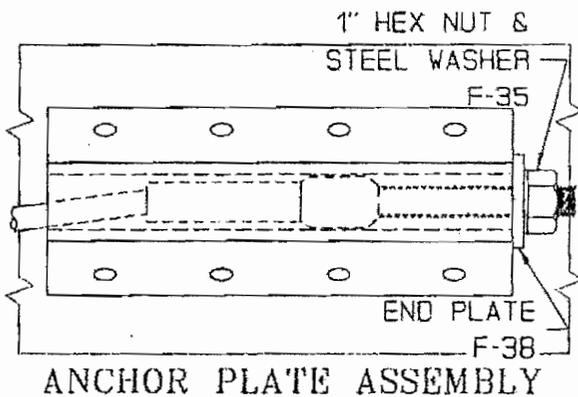
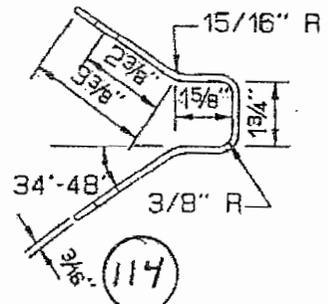
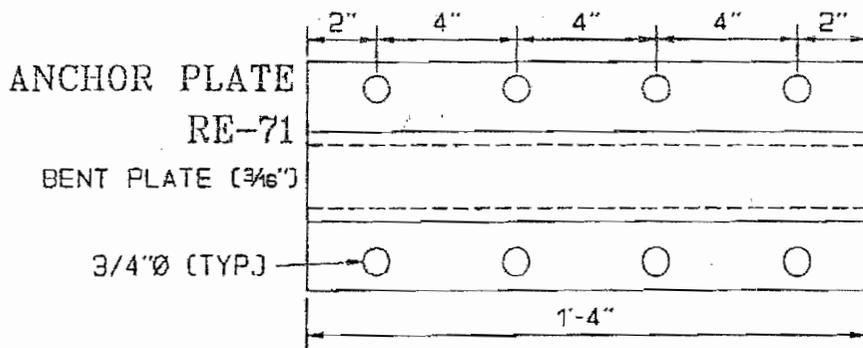
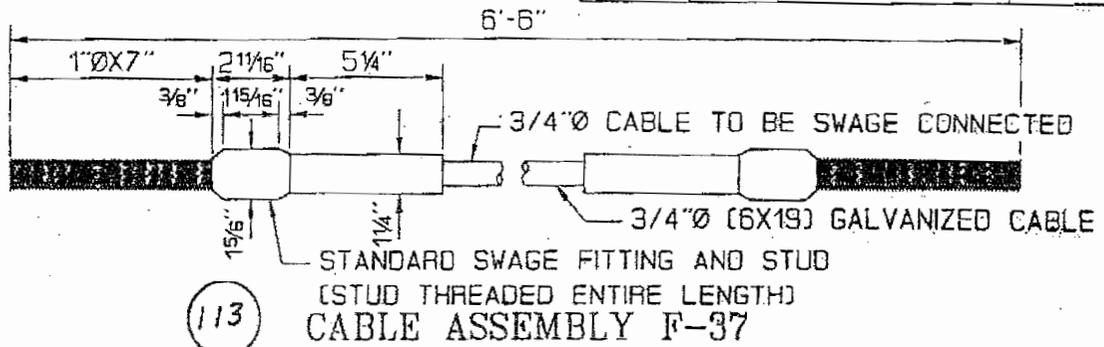
ALL SLOTS 2 9/32" x 1 1/8"
ALL BOLTS ARTBA
F-3(1 1/4")-76



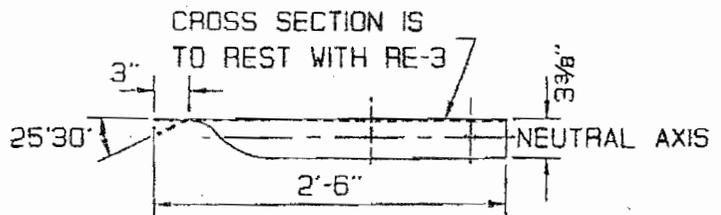
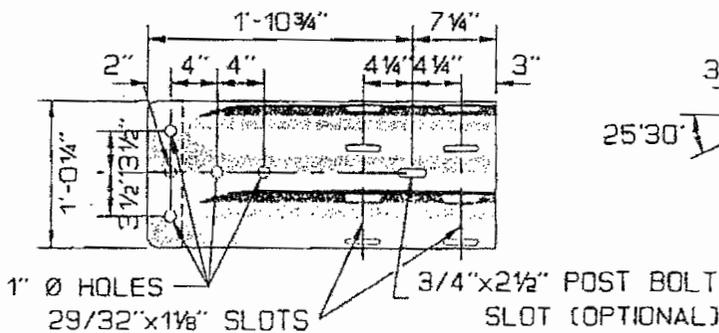
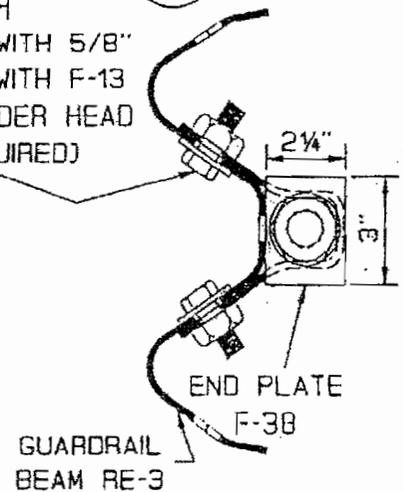
M.E.L.T. HARDWARE

606(8)

F.H.V.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			



BOLT F-8 WITH 5/8" HEX NUT, WITH F-13 WASHER UNDER HEAD (8 REQUIRED)



115

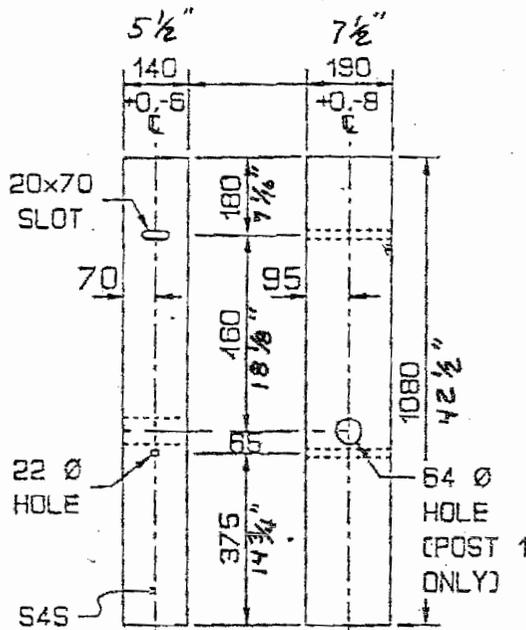
W-BEAM TERMINAL CONNECTOR RE-8-83

TERMINAL CONNECTOR, CABLE

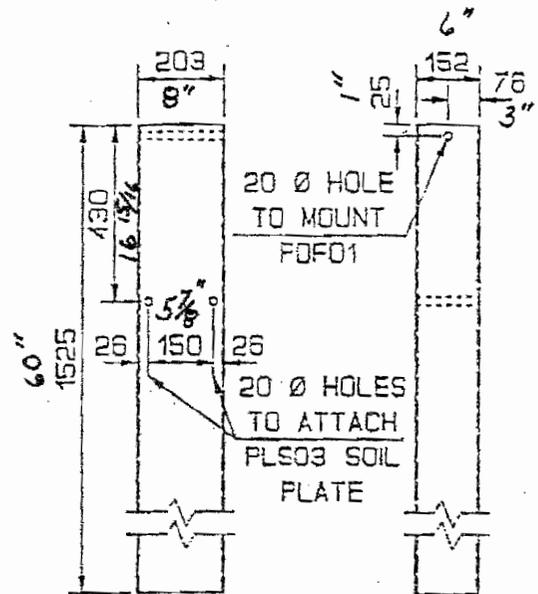
AND ANCHOR PLATE ASSEMBLY

SPEC. 606

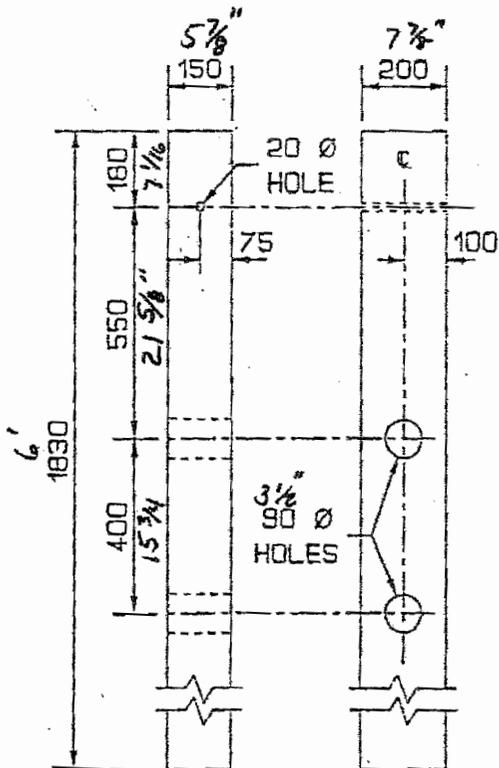
MT004



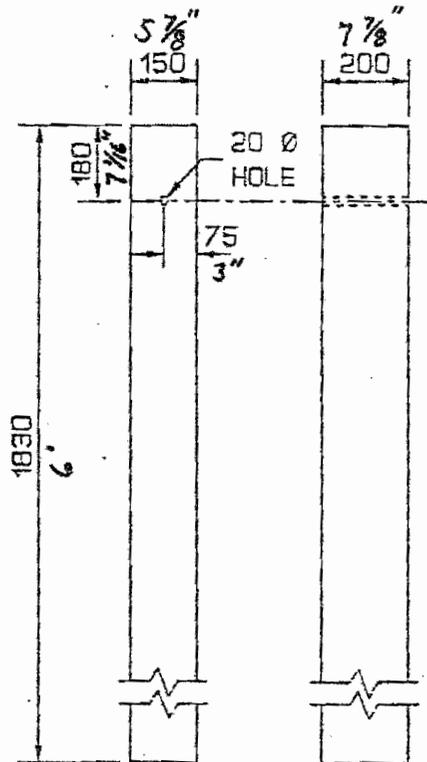
116 PDF01 Timber Post
POSTS 1 & 2 (2 REQ.)



117 PTE05 Foundation Tube
For Posts
No. 1 & No. 2
TS-203x152x4.8

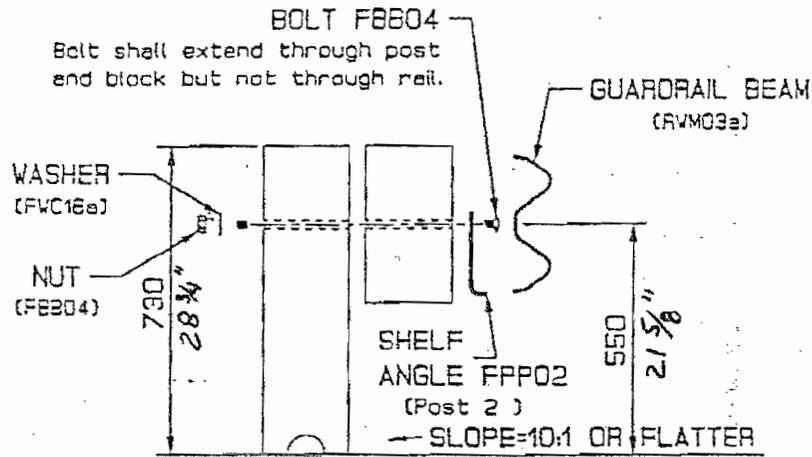


118 PDE09 CRT Timber Post
(4 REQUIRED)

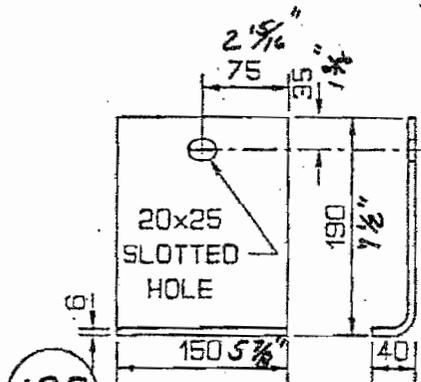


119 PDE02 Timber GR Post
(2 REQUIRED)

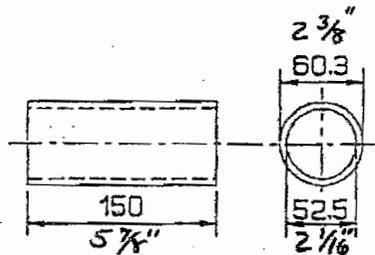
M.E.L.T. POST DETAILS



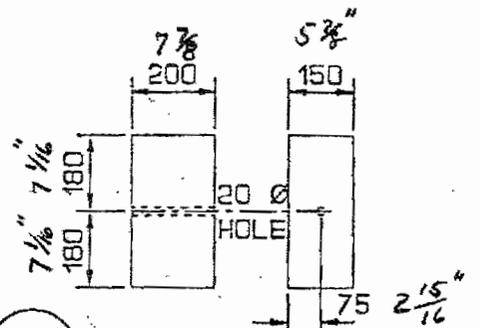
BREAKAWAY LINE POST AND BLOCK
PDE09 (4 REQUIRED)



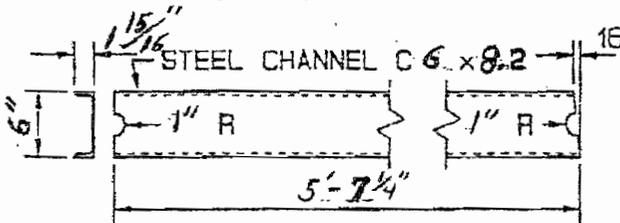
120 FPP02 Shelf
Angle Bracket at Post #2
(1 REQUIRED)



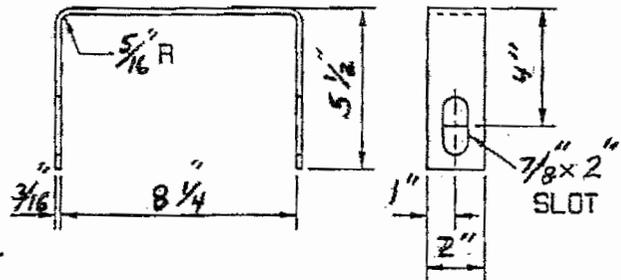
FMM02 Post Sleeve
(POST 1 ONLY)



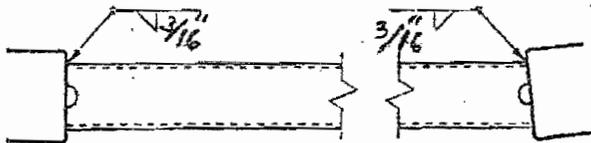
121 PDB01 W-Beam
Timber Blockout
(7 REQUIRED)



Strut Details



Yoke Details
(2 REQUIRED)



PFP01 Strut & Yoke Assembly

123 SHOWN LEGS UP. FOR OPPOSITE
HAND, INSTALL LEGS DOWN.

POST, YOKE & STRUT ASSEMBLY

606(10)