



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

February 23, 2024
Subject: Highway Paving
Federal WIN: 027324.00
Location: Troy, Dixmont, Newburgh,
Newport
Amendment No. 1

Dear Sir/Ms.:

The following questions have been received:

In the construction notes for the Newport section under 202.2023 Remove Pavement Surface there is a gap in the stationing from 46+29 to 48+26. The location of the railroad tracks is not shown on the project stationing:

Question: Is this gap skipping the railroad tracks?

Response: The intent is to mill and pave up to and between the railroad tracks in the travel lane only. See updated Construction Notes dated February 23, 2024, Special Provision 104, Utilities dated February 23, 2024.

Question: There is a note on R/R Crossing – mill up to and between the tracks travel lane only.

Response: The intent is to mill and pave up to and between the railroad tracks in the travel lane only. See updated Construction Notes dated February 23, 2024, Special Provision 104, Utilities dated February 23, 2024.

Question: Will RR Protective insurance be required?

Response: Yes, see Schedule 1, Contractor's Acceptance and Exhibit C Protection of Railroad Traffic and Structures following Special Provision 104, Utilities dates 2/23/24.

Consider these changes and information prior to submitting your bid on **February 28, 2024**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

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 pre-utility meeting, as defined in Subsection 104.4.6 of the Standard Specifications, **is** required.

GENERAL INFORMATION

This Special Provisions outline the arrangements that have been made by the Department for utility and railroad work to be undertaken in conjunction with this project. The following table identify all known utilities/railroads having facilities presently located within the limits of the specified road segments or intending to adjust facilities during this construction project.

Utilities have been notified and shall be furnished a project booklet electronically.

Utility Overview & Contact Information					
Utility	Aerial	Subsurface	Railroad	Contact Person	Contact Phone
Consolidated Communications of Northern New England Company	X	X		Brian Smith Travis Roberts	712-8604 944-2361
Central Maine Power	X			Charlie Herbest	716-7706
Versant Power	X			Dave Perkins	949-3918
Spectrum-Charter Communications	X			Jeff Greenwald	478-1423
FristLight Fiber	X	X		Mike Ellingwood	462-2759
Unitel	X			Sherman Robbins	323-9451
Newport Water District		X		AJ Newhall	341-7721
Newport Sanitary District		X		Jeff Weirs	717-0468
Springfield Terminal Railways (CSX)			X	Ryan Peploski	315-212-7644

Temporary utility adjustments **are not** anticipated as part of this project. If any unexpected utility relocations become necessary, they shall be scheduled in compliance with Section 104 of the Standard Specifications and shall be performed by the appropriate utility company in conjunction with the work by the Contractor. Should the contractor choose to have any poles temporarily relocated, all work shall be done at the Contractor’s request and expense, with no additional cost or schedule impacts to the Department.

Any adjustments are to be made by the respective utility unless otherwise specified herein.

Utility working days are Monday through Friday. Times are estimated based on a single crew for each utility. Any times and dates mentioned are **estimates only** and dependent upon favorable weather, working conditions, and freedom from emergencies.

The contractor shall notify all utility/railroad companies **ten (10) working days** prior to beginning any work on this project.

**** Specific information regarding the line voltage can be requested from Central Maine Power and Versant Power. ****

AERIAL

Aerial utility adjustments **are not** anticipated as part of this project. If any unexpected utility relocations become necessary, they shall be scheduled in compliance with Section 104 of the Standard Specifications and shall be done by the utilities in conjunction with the work by the Contractor.

Attention needs to be made to existing aerial service lines crossing the highway corridor at intermediate locations through-out the project. Each of the existing service lines provide a source of power and/or communication to the surrounding residents and commercial properties.

SUBSURFACE

Subsurface utility adjustments **are** anticipated as part of this project. If any unexpected utility relocations become necessary, they shall be scheduled in compliance with Section 104 of the Standard Specifications and shall be done by the utilities in conjunction with the work by the Contractor.

Utility Specific Information:

#27328_NEWPORT_ROUTE #2 (MAIN STREET/ELM STREET:

Summary:

Utility	Summary of Work	Estimated Working Days
Newport Water District	adjusting ten (10) water valve covers <i>(assumption for quantity)</i>	5
Total:		5

Consolidated Communications of Northern New England Company:

Consolidated Communications of Northern New England Company has subsurface facilities existing along Route #2 (Main Street). Consolidated facilities that exist consist of four (4) concrete structures with three (3) existing rims/frames being visible. The contractor is responsible for confirming with the Consolidated representative, the existing subsurface facility locations, prior to performing paving prep work activities. No adjusting/impacts are anticipated for the Consolidated facilities.

Newport Water District (NWD):

Newport Water District has subsurface water facilities existing along Route #2 (Main Street/Elm Street). The water facilities that exist is an **assumed quantity** of ten (10) water valve covers with possible impacts. The contractor is responsible for confirming with the NWD representative, the existing subsurface facility locations, prior to performing paving prep work activities. NWD shall self-perform all necessary adjustments/removal/re-installs to the existing water valve covers. NWD shall require **ten (10) working days** prior notice to schedule their work.

The contractor shall be responsible, eliminating the risk of all unnecessary foot traffic on the final pavement mat, for raising the water valve covers to the final pavement elevation. NWD shall be responsible for loosening the water valve covers prior to the placement of all new pavement surfaces. The payment associated with the contractor raising the water valve covers shall be incidental to a paving bid item.

Newport Sanitary District (NSD):

Newport Sanitary District has subsurface sewer facilities existing along Route #2 (Main Street/Elm Street). The contractor is responsible for confirming with the NSD representative, the existing sewer facility locations, prior to performing paving prep work activities. NSD shall self-perform the necessary adjustments with the intent to utilize riser rings (provide by NSD) only if adjustments are necessary. NSD shall require **ten (10) working days** prior notice to schedule their involvement.

RAILROAD

#27328_NEWPORT_ROUTE #2 (MAIN STREET/ELM STREET):

Springfield Terminal Railway Company (subsidiary of CSX Transportation):

Springfield Terminal Railway (CSX) is the owner/operator of a railroad crossing along the Route #2 (Elm Street) corridor. CSX needs to be notified **thirty (30) calander days** prior to working within 50' of the rail crossing location. This notification is to ensure that acceptable communication is occurring when working within the limits of the railroad right-of-way, and to allow for proper scheduling of track protection personnel and/or track safety items. This rail crossing has active trains at intermediate times through-out the week.

At this rail crossing #912328 (44.83464/-69.27024), the contractor shall perform pavement removal by milling; removing loose pieces and filling potholes with new hot mix; and placing shim/final courses (2 separate) of continuous overlay. These work activities shall include the area between the existing rails. The intent is for the existing pavement mat to be continuously covered, excluding the rubber/rail items, with the new hot mix pavement. This rail crossing shall require track protection personnel and/or track safety items (specific to section #21 of the PRTS).

The contractor shall be responsible for requirements as stated in the special provision entitled “Protection of Railroad Traffic and Structures (PRTS)” date 11/12/23_draft; and signature of the schedule 1 document entitled “Contractor’s Acceptance” dated 11/12/23_draft. These documents are enclosed within this project booklet after this “utility 104 special provisions”.

Stated within this PRTS, the contractor is responsible for developing/submitting a work plan document to the CSX representative (see section #7 & #11); and the “Contractors’ Acceptance” document signed. This work plan document shall include a schedule specific to when the contractor plans to work within the railroad right-of-way, and a specific description of the work activities being performed, and equipment being used. No work activities shall occur within the railroad right-of-way prior to authorization by the CSX representative and/or a railroad track protection is present.

Railroad	Summary of Work	Estimated Man Days
Springfield Terminal Railways (CSX)	perform track protection services (install/remove derail & personnel)	10
Total:		10

MAINTAINING UTILITY LOCATION MARKINGS

The Contractor shall 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.

SCHEDULE I

CONTRACTOR’S ACCEPTANCE

To and for the benefit of Springfield Terminal Railway Company (“Railroad”), and to induce Railroad to permit Contractor on or about Railroad’s property for the purposes of performing work in accordance with the Agreement dated _____, 2024, between the Maine Department of Transportation and Railroad for Pavement Resurfacing project on Route 2 in Newport, Maine; WIN #27328.00, Contractor hereby agrees to abide by and perform all applicable terms of Exhibit C to the Agreement, titled “Protection of Railroad Traffic and Structures – Special Provisions.”

Contractor: _____

By: _____

Name: _____

Title: _____

Date: _____

EXHIBIT C

PROTECTION OF RAILROAD TRAFFIC AND STRUCTURES SPECIAL PROVISIONS

1. GENERAL REQUIREMENTS

Part of the work required by the contract between MaineDOT and the Contractor for the performance of the Project (the “Contract”) will be performed within a railroad right of way and/or adjacent to the tracks, telephone, telegraph, signal and electric supply lines of Springfield Terminal Railway Company (“Railroad”), a subsidiary of CSX Transportation. The Contractor agrees to perform all such work in compliance with all of the terms of these Special Provisions and all safety rules, regulations, or standards applicable to the Railroad. The Contractor shall be fully responsible for all damages arising from the Contractor’s failure to comply with the requirements of these Special Provisions. The Contractor shall be deemed to have included all costs associated with complying with these requirements in the unit prices of the Schedule of Prices and the Proposal.

Additionally, the Contractor shall comply with the current version of the CSX *Special Provisions for Construction Near CSX Property* found in the CSX Public Project Information Manual. In instances where these Special Provisions and the aforementioned CSX Special Provisions conflict, the more stringent requirement shall prevail; where there is a conflict between a general requirement and a specific requirement, the specific requirement shall prevail.

2. AMOUNT OF WORK NEAR TRACKS

The estimated amount of work to be done within 50 feet of the Railroad’s track is 1% of the Contract.

3. NUMBER OF TRAINS AND TRAIN SPEED

The Contractor is notified that a maximum speed of 25 mph will be considered as prevailing for the operation of trains of the Railroad at the Project location and that the approximate number of trains per week at the Project location is three (3).

4. PRIORITY OF RAILROAD OPERATIONS

The train movements of the Railroad, and its lessees and licensees, shall have absolute priority over the performance of the Project within the Railroad right of way. The Contractor hereby agrees that the hours and times of work within the Railroad right of way must be coordinated through the Railroad and that such hours and times are subject to change without prior notice to the Contractor, unless other prior arrangements have been made through the Railroad.

CONSTRUCTION NOTES

202.2023 REMOVE PAVEMENT SURFACE – MEDIUM CUT DRUM

Travel Way

Station	to	Station	Width (Ft)	Side	notes
10+00		46+29	12	Lt	
10+00		46+29	12	Rt	
46+29		48+26	12	Lt	begin R/R crossing
46+29		48+26	12	Rt	end R/R crossing
48+26		61+86	12	Lt	
48+26		61+38	12	Rt	

Shoulder

Station	to	Station	Width (Ft)	Side	notes
40+42		45+46	6	Lt	Bridge #2501
40+42		45+46	6	Rt	Bridge #2501

Adjustments to the profile grade may be required between station 40+42 to 42+94, mark downs or mark ups will be determined in the field by the Resident.

R/R Crossing – mill up to and between the tracks travel lane only.

403.209 HOT MIX ASPHALT 9.5MM INCIDENTALS

Station	to	Station	Width (Ft)	Side	
14+18		14+38	20	Lt/Rt	ATV Trail

Item 403.209 will be used if driveways cannot be matched as specified by the construction note in Item 461.210. Locations and offsets will be determined in the field by the Resident.

411.10 UNTREATED AGGREGATE SURFACE COURSE, TRUCK MEASURE

Station	to	Station	Width (Ft)	Side	
14+18		14+38	20'	Lt/Rt	ATV Trail

This item is to be used for gravel drives and the backing up of driveway aprons. Locations and offsets will be determined in the field by the Resident.

424.3331 ASPHALT LOW MODULUS CRACK SEALER, APPLIED

Apply crack sealer to travel lanes only after pavement removal and before placement of shim.

CONSTRUCTION NOTES

424.381 ASPHALTIC RECREATIONAL CROSSINGS, 2 INCH DEPTH

Construct at Four Seasons Recreational Crossing Station 14+28, 8 feet wide full width of roadway.

461.210 9.5MM HMA - CYCLICAL PAVEMENT RESURFACING

Travel Way

Station	to	Station	Width (ft)	Side
10+00		61+38	12	Lt
10+00		61+38	12	Rt

Shoulder

Station	to	Station	Width (Ft)	Side
40+42		45+46	6	Lt
40+42		45+46	6	Rt

461.216 6.3MM HMA - SHIM

Adjustments to the profile grade may be required between station 40+42 to 42+94, mark ups will be determined in the field by the Resident.

627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARK LINE

Center lines and edge lines shall be painted on all matched pavement within one week. Center line TOMs may be utilized until final striping and will be considered incidental to the contract.

Multilane sections and truck lanes must be striped daily on all matched pavement layers.

627.75 WHITE OR YELLOW PAVEMENT AND CURBING MARKING

Station	Side	Description
31+28	LT/RT	Crosswalk
33+77	LT/RT	Crosswalk
36+77	LT/RT	Crosswalk
38+71	LT/RT	Crosswalk
40+49	RT	Stop Bar
40+59	RT	RR
40+74	RT	Railroad "X"
40+99	RT	Stop Bar
46+69	RT	Stop Bar
47+47	LT	Stop Bar

CONSTRUCTION NOTES

627.75 WHITE OR YELLOW PAVEMENT AND CURBING MARKING (Continued)

Station	Side	Description
48+40	LT/RT	Crosswalk
50+93	LT	Stop Bar
51+18	LT	Railroad "X"
51+33	LT	RR
51+43	LT	Stop Bar

627.78 TEMPORARY PAVEMENT MARK LINE WHITE OR YELLOW

Temporary center lines and edge lines shall be painted on all matched pavement within one week.

Multilane sections, truck lanes, and milled surfaces must be striped daily on all matched pavement layers.

629.05, 631.12, 631.172 RENTAL ITEMS

To be used for grading existing material to back up pavement, cleaning existing ditches, cleaning beneath guardrail, and other miscellaneous activities as directed by the Resident.

5. AUTHORITY OF RAILROAD TO STOP WORK

If the Contractor fails to comply with the safety terms of these Special Provisions, or if the Railroad determines that the Contractor is using unsafe practices that threaten the safety of rail traffic, rail workers, or the general public, the Railroad shall have the right to immediately order the Contractor to cease work and vacate the Railroad's property. The Railroad agrees to confirm any cessation of work in writing by delivering to MaineDOT's Construction Manager a completed Stop Work Order form attached as Exhibit A within 24 hours of giving any such order.

The Contractor shall arrange and conduct its work so that there will be no interference with the Railroad's operations, including train, signal, telephone and telegraphic services, or damage to the Railroad's property, or to poles, wires, and other facilities of tenants on the Railroad's property or right-of-way. The Contractor shall store materials so as to prevent trespassers from causing damage to trains or to the Railroad's property. Whenever work is likely to affect the operations or safety of trains, the method of doing such work shall first be submitted to the Railroad's representative for approval, but such approval shall not relieve the Contractor from liability in connection with such work.

If conditions arising from or in connection with the Project require that immediate and unusual provisions be made to protect train operation or the Railroad's property, the Contractor shall make such provision. If the Railroad's representative determines that such provision is insufficient, the Railroad may, at the expense of the Contractor, require or provide such provision as may be deemed necessary, or cause the work to cease immediately.

6. ENTRY UPON RAILROAD PROPERTY

The Railroad hereby agrees to permit the Contractor, together with their subcontractors, suppliers, consultants and engineers (the "Contractor"), to enter upon the Railroad property for the purpose of performing the Project, PROVIDED THAT the Contractor complies with all of the terms of these Special Provisions and all safety requirements and directions of the Railroad's representative.

7. NOTICE REQUIRED BEFORE ENTRY

The Contractor shall not commence any work on the Railroad's property or rights-of-way until it has complied with the following conditions:

A. Notify the Railroad in writing of the date that it intends to commence work on the Project. Such notice must be received by the Railroad at least **14** calendar days in advance of the date the Contractor proposes to begin work on the Railroad's property. The notice must refer to the agreement between MaineDOT and the Railroad for the Project (the "Agreement") by date. Additional notice requirements when flagging/inspection services are required are set forth in Section 21.

B. Obtain authorization from the Railroad's representative to begin work on the Railroad's property, such authorization to include an outline of specific conditions with which it must comply.

C. Obtain from the Railroad the names, addresses and telephone numbers of the Railroad's personnel who must receive notice under provisions in the Agreement. Where more than one individual is designated, the area of responsibility of each shall be specified.

8. HAZARDS

The Contractor shall assess to its own satisfaction hazards which may be caused by its operations. At a minimum, the Contractor agrees that the following shall constitute Hazards:

An operating track shall be considered fouled and subject to hazard when any object is brought nearer than 25 feet to the gauge line of the near rail of the track.

A signal line or communication line shall be considered fouled and subject to hazard when any object is brought nearer than 25 feet to any wire or cable.

An electric supply line shall be considered fouled and subject to hazard when any object is brought nearer than 25 feet to any wire of the line.

Cranes, trucks, power shovels or any other equipment shall be considered as fouling and subjecting to hazard a track, signal line, communication or electric supply line when working in such position that failure of equipment, with or without load, could foul the track, signal line, communication or electric supply line.

Railroad operation will be considered subject to hazard when explosives are used in the vicinity of Railroad premises, or during the driving or pulling of sheeting for any footing adjacent to a track, or when erecting structural steel adjacent to a track, or when performing work under, across or adjacent to a track, or when operations involve swinging booms or chutes that could in any way come nearer than 25 feet to the gauge line of the near rail of the track, or when erection or removal of staging, false work or forms fouls a track or wire line.

None of the operations specified as a Hazard above shall be carried on during the approach or passing of a train or without permission from the Railroad and the presence of a Railroad inspector/flagman, unless other prior arrangements have been made through the Railroad.

9. MINIMUM CLEARANCES

During the construction of staging, false work or forms, the Contractor shall at all times maintain a minimum vertical clearance of 23 feet above the top of high rail and a minimum side clearance of 10 feet from the gauge line of the near rail where track is tangent. Additional side clearance must be maintained where track is on a curve.

10. COOPERATION AND DELAYS

Contractor shall arrange a schedule with the Railroad for accomplishing stage construction

involving work by the Railroad. In arranging its schedule, the Contractor shall ascertain, from the Railroad, the lead time required for assembling crews and materials and shall make due allowance therefore.

The Contractor may not charge any costs or submit any claims against the Railroad for hindrance or delay caused by railroad traffic; work done by the Railroad or other delay incident to or necessary for safe maintenance of railroad traffic; or for any delays due to compliance with these Special Provisions.

The Contractor shall cooperate with others participating in the construction of the Project to the end that all work may be carried on to the best advantage.

The Contractor understands and agrees that the Railroad does not assume any responsibility for work performed by others in connection the Project. The Contractor further understands and agrees that it shall have no claim whatsoever against the Railroad for any inconvenience, delay or additional cost incurred by the Contractor on account of operations by others.

11. WORK PLAN SUBMITTAL AND APPROVAL

The Contractor shall submit in writing to the Railroad's representative and MaineDOT's representative, at least 30 calendar day(s) in advance of the start of the Project, an outline of the Contractor's plan for work within the Railroad right of way, including contemplated method(s) of construction. This plan must meet with the approval of the Railroad's representative and MaineDOT's representative in every respect. If the Contractor contemplates the use of "on the track equipment", it should so state and obtain from the Railroad the conditions pertaining to such operations. All Railroad costs included in this operation will be borne by the Contractor. In a like manner, any of the Contractor's equipment or material on cars for the Project shall be handled in conformance with existing traffic rules, with all costs borne by the Contractor.

Prior to submitting its Proposal, the Contractor shall have ascertained, from the Railroad's representative and from MaineDOT's representative, all information relating to the Railroad's requirements and regulations and all costs in connection with compliance thereto.

The Railroad may require additional construction submittals pending review of the Work Plan. Such submittals may include but are not limited to:

1. Hoisting Operations
2. Demolitions Procedure
3. Erection Procedure
4. Temporary Excavation and Shoring
5. Track Monitoring

Submission requirements and review periods for such submittals will be communicated at the pre-construction utility meeting.

12. WORK FOR THE BENEFIT OF THE CONTRACTOR

No temporary or permanent changes to wire lines or other facilities (other than third-party fiber optic cable transmission systems) on the Railroad's property that are considered necessary to the work are anticipated or shown on the Plans. If any such changes are, or become, necessary in the opinion of the Railroad or MaineDOT, such changes will be covered by appropriate revisions to the Plans and by preparation of a force account estimate. Such force account estimate may be initiated by either the Railroad or MaineDOT, but must be approved by both the Railroad and MaineDOT. MaineDOT or Contractor shall be responsible for arranging for the relocation of the third-party fiber optic cable transmission systems, at no cost or expense to the Railroad.

Should MaineDOT or Contractor desire any changes in addition to the above, then it shall make separate arrangements with the Railroad for such changes to be accomplished at MaineDOT's or Contractor's expense.

13. HAUL ACROSS RAILROAD

If Contractor desires access across the Railroad's property or tracks at other than an existing and open public road crossing in or incident to construction of the Project, Contractor must first obtain the permission of the Railroad and shall execute a license agreement or right of entry satisfactory to the Railroad, wherein Contractor agrees to bear all costs and liabilities related to such access.

Contractor shall not cross the Railroad's property and tracks with vehicles or equipment of any kind or character, except at such crossing or crossings as may be permitted pursuant to this section.

14. STORAGE OF MATERIALS AND EQUIPMENT

Contractor shall not store its materials or equipment on the Railroad's property or where they may potentially interfere with the Railroad's operations, unless Contractor has received the Railroad representative's prior written permission. Contractor understands and agrees that the Railroad will not be liable for any damage to such materials and equipment from any cause and that the Railroad may move, or require Contractor to move, such material and equipment at Contractor's sole expense. To minimize the possibility of damage to the railroad tracks resulting from the unauthorized use of equipment, all grading or other construction equipment that is left parked near the tracks unattended by watchmen shall be immobilized to the extent feasible so that it cannot be moved by unauthorized persons.

15. EXCAVATIONS

Before excavation for footings adjacent to tracks and/or within the Railroad's right-of-way may commence, whether or not also within the limits of a public highway, plans and calculations for such excavations, prepared by a Professional Engineer authorized to practice in Maine, shall be submitted to the Railroad's representative for review and approval. Unless other prior arrangements have been made, the Railroad shall have 30 calendar days to perform such review and approval and issue written permission to proceed with the excavation. No excavation shall

proceed without such permission. If permission is denied, the Railroad shall have an additional 30 calendar days to perform such review of any re-submittal.

At a minimum, excavations must utilize proper bracing, shoring, sheeting or other support, as determined by the Railroad, to support the tracks with railroad traffic. Open excavation shall be suitably planked over when construction operations are not in progress. No excavation work shall be performed by the Contractor within the limits of the Railroad right of way, whether or not also within the limits of a public highway, until the Contractor has ascertained from the Railroad the location of any wires, conduits, pipes, cables or other railroad facilities below the surface of the ground. Damage to any such facilities caused by the failure of the Contractor to ascertain the location of such facilities or by failure to use due care to avoid injury to such facilities shall be at the expense of the Contractor.

16. EQUIPMENT

Equipment of the Contractor shall be in such condition so as to prevent failure that would cause delay in the operation of trains or damage to railroad facilities. Equipment shall not be placed or put in operation adjacent to a track without first obtaining permission of the Railroad. The Railroad agrees that such permission shall not be unreasonably withheld.

17. RAILROAD SERVICES - GENERALLY

When work is to be performed within the Railroad's right-of-way, the Railroad shall provide the services, equipment and materials provided in these Special Provisions including, but not limited to, engineering, flagging, inspection, signal protection and/or relocation, and restoration or replacement of the Railroad's track structure or ballast. Further, if the Railroad determines that the Contractor's operations do not comply with all of the safety requirements of these Special Provisions and all of the Railroad's safety requirements and directions, the Railroad will employ the necessary qualified employees to protect its trains and other facilities. The Contractor shall pay to the Railroad the cost for performing all Railroad Services unless said costs are to be paid by MaineDOT as specified in these Special Provisions.

18. CONSTRUCTION PROCEDURES

A. General

1. Construction work on the Railroad's property shall be subject to the Railroad's inspection and approval.
2. Construction work on the Railroad's property shall be in accord with the Railroad's written outline of specific conditions and with these Special Provisions.
3. Contractor shall observe the terms and rules of the Railroad's Safe Way manual, which Contractor shall be required to obtain from the Railroad, and in accord with any other instructions furnished by the Railroad or the Railroad's Representative.

B. Blasting

1. Contractor shall obtain the Railroad's prior written approval for use of explosives on or adjacent to the Railroad's property. If permission for use of explosives is granted, Contractor must comply with the following:

- a. Blasting shall be done with light charges under the direct supervision of a responsible officer or employee of Contractor.
- b. Electric detonating fuses shall not be used because of the possibility of premature explosions resulting from operation of two-way train radios.
- c. No blasting shall be done without the presence of an authorized Railroad representative. At least 10 calendar days' advance notice to the Railroad is required to arrange for the presence of an authorized Railroad representative and any flagging that the Railroad may require.
- d. Contractor must have at the Project site adequate equipment, labor and materials, and allow sufficient time, to (i) clean up (at Contractor's expense) debris resulting from the blasting without any delay to trains; and (ii) correct (at Contractor's expense) any track misalignment or other damage to the Railroad's property resulting from the blasting, as directed by the Railroad's Representative, without delay to trains. If Contractor's actions result in delay of any trains, including Amtrak passenger trains, Contractor shall bear the entire cost thereof.
- e. Contractor shall not store explosives on the Railroad's property.

2. The Railroad's representative will:

- a. Determine the approximate location of trains and advise Contractor of the approximate amount of time available for the blasting operation and clean-up.
- b. Have the authority to order discontinuance of blasting if, in his or her opinion, blasting is too hazardous or is not in accord with these Special Provisions.

19. MAINTENANCE OF DITCHES ADJACENT TO RAILROAD'S TRACKS

Contractor shall maintain all ditches and drainage structures free of silt or other obstructions that may result from Contractor's operations. Contractor shall provide erosion control measures during construction and use methods that accord with applicable state standard specifications for road and bridge construction, including either (1) silt fence; (2) hay or straw barrier; (3) berm or temporary ditches; (4) sediment basin; (5) aggregate checks; and (6) channel lining. All such maintenance and repair of damages due to Contractor's operations shall be performed at Contractor's expense.

20. UTILITY FACILITIES ON RAILROAD'S PROPERTY

MaineDOT shall arrange, upon approval from the Railroad, to have any utility facilities on or over the Railroad's property changed as may be necessary to provide required clearances.

21. INSPECTION / FLAGGING

The Railroad has sole authority to determine the need for inspection/flagging required to protect its operations and property. The Railroad shall furnish and assign all inspectors/flaggers for general inspection purposes and for general protection of Railroad property and operations during construction as the Railroad determines are necessary to preserve safety.

(a) Responsibility for Cost. MaineDOT will bear the cost of flagging or inspection (including travel time), or any combination thereof, up to 10 man days of said flagging or inspection. If, in the opinion of the Railroad, further services of a flagger or inspector will be required due to the operations of the Contractor, the services will be furnished and the cost thereof (salary, expenses, insurance, taxes and vacation allowance, etc.) shall be paid to the Railroad by MaineDOT, and will be recovered by MaineDOT from the Contractor.

(b) Terms. The minimum hours per day for the Railroad employees engaged in inspection or flagging services shall be eight (8) hours. Time at rates for straight time, overtime or for deadheading starts in accordance with established practices in effect in the territory in which the Project is located. Information as to these practices should be obtained from the Railroad.

(c) Notice. The Contractor shall notify the Railroad's representative in writing at least **30** calendar days before the Contractor first commences work within 50 feet of the track or that otherwise requires inspection or flagging services so that Railroad can provide these services. Thereafter, following this initial notice, the Contractor shall notify the Railroad's representative in writing at least **10** calendar days before suspending such work, and shall notify the Railroad's representative in writing at least **10** calendar days before resuming such work. Failure to give notice of intent to suspend work shall be cause to charge the Contractor the cost of inspection during the period when work is suspended.

(d) Estimated Cost. The following is an estimate of the cost per day of inspection/flagging necessary for this Project. The rates shown include all overhead charges, travel time, deadheading and personal expenses.

Estimated daily rate for four (4) consecutive hours Monday-Friday (straight time): \$600

Estimated daily rate for four (4) consecutive hours Saturday, Sunday, Holiday (overtime):
\$900

Estimated rate for hours worked in excess of eight (8) hours in any one day: \$225/hour

Rates charged will be the actual pay rate of the flaggers and inspectors used, plus standard

additives, whether that amount is above or below the rate provided in the Estimate. The Railroad agrees to notify MaineDOT if rates used to calculate the above estimates change before the date of bids are received for this Contract.

(e) Definitions.

Man day (M.D.) - eight (8) consecutive hours or any portion thereof.

Overtime - Each additional hour or fraction thereof consecutive to and beyond the standard man day will count as 3/16 of a man day.

Standard Man Day - Eight (8) consecutive hours, Monday - Friday between the hours of 8:00 a.m. to 4:00 p.m. unless otherwise noted and agreed to by all parties.

Travel Time - Time required by flagger and/or inspector to commute between his or her point of headquarters to the project site. This time shall not be included in determining available man days.

22. CLEAN-UP

Contractor, upon completion of the Project, shall remove from the Railroad's property any temporary grade crossings, any temporary erosion control measures used to control drainage, all machinery, equipment, surplus materials, falsework, rubbish, or temporary buildings belonging to Contractor. Contractor, upon completion of the Project, shall leave the Railroad's property in neat condition, satisfactory to the Railroad's representative.

23. OTHER CONTRACTOR RESPONSIBILITIES

The restoring and resurfacing of tracks, if disturbed due to the Contractor's operations, shall be at the expense of the Contractor.

Any other changes made or services furnished by the Railroad as a result of the Contractor will be at the Contractor's expense.

24. INDEMNIFICATION

A. Generally. To the maximum extent permitted by applicable law, Contractor shall indemnify, defend, and hold Railroad and its affiliates harmless from and against all claims, demands, payments, suits, actions, judgments, settlements, and damages of every nature, degree, and kind (including direct, indirect, consequential, incidental, and punitive damages), for any injury to or death to any person(s) (including, but not limited to the employees of Railroad, its affiliates, MaineDOT, or MaineDOT's other contractors, if any), for the loss of or damage to any property whatsoever (including but not limited to property owned by or in the care, custody, or control of Railroad, its affiliates, MaineDOT, or Maine DOT's other contractors (if any), and environmental damages and any related remediation brought or recovered against Railroad and its affiliates), arising directly or indirectly from the negligence, recklessness or intentional wrongful

misconduct of Contractor, its agents, employees, invitees, or subcontractors in the performance of or in connection with the work or activities incidental thereto, or from their presence on or about Railroad's property. The foregoing indemnification obligation shall not be limited to the insurance coverage required herein, except to the extent required by law or otherwise expressly provided herein.

B. Compliance with Laws. Contractor shall comply with any federal, state, or local laws, statutes, codes, ordinances, rules, and regulations applicable to its work and shall indemnify, defend, and hold Railroad and its affiliates harmless with respect to any fines, penalties, liabilities, or other consequences arising from breaches of this requirement.

C. "Railroad Affiliates". For the purpose of this indemnification provision, Railroad's affiliates include Springfield Terminal Railway Company and all entities, directly or indirectly, owned or controlled by or under common control of Springfield Terminal Railway Company and their respective officers, directors, employees and agents.

D. Notice of Incidents. Contractor shall notify Railroad and MaineDOT promptly of any loss, damage, injury or death arising out of or in connection with its work.

E. Survival. This indemnification provision shall survive the termination or expiration of the Contract.

25. INSURANCE

A. Insurance Policies. To the extent that Contractor is performing work on or about Railroad's property, Contractor shall procure and maintain the following insurance policies:

1. Commercial General Liability coverage at Contractor's sole cost and expense with limits of not less than \$5,000,000 in combined single limits for bodily injury and/or property damage per occurrence, and such policy shall name Railroad as an additional insured. The policy shall include endorsement ISO CG 24 17 evidencing that coverage is provided for work within 50 feet of a railroad. If such endorsement is not included, railroad protective liability insurance must be provided as described in item 4 below.
2. Statutory Worker's Compensation and Employers Liability Insurance with limits of not less than \$1,000,000, which insurance must contain a waiver of subrogation against Railroad and its affiliates (if permitted by state law).
3. Commercial automobile liability insurance with limits of not less than \$1,000,000 combined single limit for bodily injury and/or property damage per occurrence, and such policy shall name Railroad as an additional insured. The policy shall include endorsement ISO CA 20 70 evidencing that coverage is provided for work within 50 feet of a railroad. If such endorsement is not included, railroad protective liability insurance must be provided as described in item 4 below.

4. If either the commercial general liability insurance described in item 1 above or the commercial automobile liability insurance described in item 3 above does not include the referenced endorsement evidencing that coverage is provided for work within 50 feet of a railroad, then Contractor also shall procure and maintain Railroad Protective Liability Insurance with limits of not less than \$5,000,000 combined single limit for bodily injury and/or property damage per occurrence and an aggregate annual limit of \$10,000,000, which insurance shall satisfy the following additional requirements:
 - a. The Railroad Protective Insurance Policy must be on the ISO/RIMA Form of Railroad Protective Insurance - Insurance Services Office (ISO) Form CG 00 35.
 - b. Springfield Terminal Railway Company must be the named insured on the Railroad Protective Insurance Policy.
 - c. Name and Address of Contractor must appear on the Declarations page.
 - d. Description of operations must appear on the Declarations page and must match the Project description.
 - e. Authorized endorsements must include the Pollution Exclusion Amendment - CG 28 31, unless using form CG 00 35 version 96 and later.
 - f. Authorized endorsements may include:
 - (i) Broad Form Nuclear Exclusion - IL 00 21
 - (ii) 30-day Advance Notice of Non-renewal or cancellation
 - (iii) Required State Cancellation Endorsement
 - (iv) Quick Reference or Index - CL/IL 240
 - g. Authorized endorsements may not include:
 - (i) A Pollution Exclusion Endorsement except CG 28 31
 - (ii) A Punitive or Exemplary Damages Exclusion
 - (iii) A "Common Policy Conditions" Endorsement
 - (iv) Any endorsement that is not named in Section 4 (e) or (f) above
 - (v) Policies that contain any type of deductible
5. All insurance companies must be A. M. Best rated A- and Class VII or better.
6. The Springfield Terminal Railway Company project number contract number, as applicable, must appear on each Declarations page and/or certificates of insurance.
7. Such additional or different insurance as Railroad may require.
- B. Additional Terms.

1. Contractor must submit the original Railroad Protective Liability policy, Certificates of Insurance and all notices and correspondence regarding the insurance policies to:

Springfield Terminal Railway Company
1700 Iron Horse Park
North Billerica, MA 01862

2. Neither Agency nor Contractor may begin work on the Project until it has received Railroad's written approval of the required insurance.

26. ROADWAY WORKER SAFETY REGULATION

All Contractors/Subcontractors and individuals must be aware of the Federal Roadway Worker Safety Regulation, CFR 49, Part 214(c), and all Contractor employees designated as Roadway Workers must comply with this regulation. Additional safety requirements can be found here: [Safety Requirements - CSX.com](http://SafetyRequirements-CSX.com).

Requirements will be discussed at the pre-construction utility meeting.

27. FAILURE TO COMPLY

If MaineDOT or Contractor violate or fail to comply with any of the requirements of these Special Provisions, (a) the Railroad may require MaineDOT and/or Contractor to vacate the Railroad's property; (b) the Railroad may withhold monies due MaineDOT and/or Contractor; (c) the Railroad may request that MaineDOT withhold monies due Contractor; and (d) the Railroad may cure such failure and MaineDOT or Contractor shall reimburse the Railroad for the cost of curing such failure.

EXHIBIT A
ORIGINAL TO CONTRACTOR

MDOT/RAILROAD STOP WORK ORDER

Section A - Contractor	Town
	DOT Railroad Project #
Railroad Name	Location
	Notice #
DESCRIPTION OF SAFETY HAZARD/REASON FOR ORDER	
Standard Violated	RAC (Risk Assessment Code)
	N/R
Railroad Official (Flagger/Inspector) Name	Date
Signature	
SECTION B - ACTION TAKEN:	

cc: MDOT - R.E. or Inspector
 MDOT - Utility Section
 MDOT - Construction Division
 Railroad - Chief Engineer

1. Risk Assessment. Each identified/validated hazard shall be assigned a Risk Assessment Code (RAC) by the Safety Office. The RAC represents the degree of risk associated with the deficiency and combines the elements of hazard severity and mishap probability. The RAC is derived as follows:

a. Hazard Severity. The hazard severity is an assessment of the worst potential consequence: Defined by degree of injury, occupational illness, or property damage, which is likely to occur as a result of a deficiency. Hazard severity categories shall be assigned by roman numeral according to the following criteria.

(1) Category I - Catastrophic: The hazard may cause death or loss of a facility.

(2) Category II - Critical: May cause severe injury, severe occupational illness, or major property damage.

(3) Category III - Marginal: May cause minor injury, minor occupational illness, or minor property damage.

(4) Category IV - Negligible: Probably would not affect personnel safety or health, but is nevertheless in violation of a NAVOSH standard.

b. Mishap Probability. The mishap probability is the probability that a hazard will result in a mishap, based on an assessment of such factors as location, exposure in terms of cycles or hours of operation, and affected population. Mishap probability shall be assigned an Arabic letter according to the following criteria:

(1) Sub-category A - Likely to occur immediately or within a short period of time.

(2) Sub-category B - Probably will occur in time.

(3) Sub-category C - May occur in time.

(4) Sub-category D - Unlikely to occur.

c. Risk Assessment Code. The RAC is an expression of risk which combines the elements of hazard severity and mishap probability. Using the matrix shown below, the RAC is expressed as a single Arabic number that can be used to help determine hazard abatement priorities.

	Mishap Probability				RAC	
		A	B	C	D	
Hazard Severity	I	1	1	2	3	1 - Critical
	II	1	2	3	4	2 - Serious
	III	2	3	4	5	3 - Moderate
	IV	3	4	5	5	4 - Minor
						5 - Negligible