



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

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID A. COLE  
COMMISSIONER

July 6, 2007  
Subject: **Gorham**  
Project No. HP-8151(500)  
Pin No. 8151.50  
**Amendment No. 3**

Dear Sir/Ms:

Please make the following changes to the Bid Documents:

In the Bid Book, REMOVE the existing: "Special Provisions Section 104 Utilities" dated May 8, 2007, sixteen pages total, and REPLACE with the attached "Special Provisions Section 104 Utilities" revision date of July 5, 2007, fifteen pages total.

DELETE "Special Provision Section 105 Control of Work (Cooperation Between Contractors)" dated April 13, 2007, one page to total, and replace with the attached "Special Provision Section 105 Control of Work (Cooperation Between Contractors)" dated July 3, 2007, one page total.

DELETE "Special Provision Section 107 Prosecution of Work and Supplemental Liquidated Damages" dated April 13, 2007, one page total and REPLACE with the new attached "Special Provision Section 107 Prosecution of Work and Supplemental Liquidated Damages" revision date of July 3, 2007, one page total.

On "Special Provision, Section 501, Foundation Piles" pages fifty-four and fifty-five, CHANGE any reference to "Meters" to "Feet" and any reference to "Kilograms" to "Pounds Per foot". Make these changes in pen and ink.

In the Plan Sheets, on sheet nineteen of twenty-six titled: "Superstructure and Details" under the "Superstructure Notes" DELETE in its entirety note number two that begins: "Adjust reinforcing steel to fit ..." Make this change in pen and ink.

The following questions have been received.

**Question:** What are the time limitations for the road closure?

**Response:** *Per Special Provision 652, the road may be closed for a maximum of six consecutive months.*



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**Question:** Reference is made to a preload being done by the roadway contractor. What are the time limitations on this? Does settlement have to be completed prior to the start of bridge construction?

**Response:** *Preload and wick drains shall be complete and in-place by November 1, 2007. After embankment/preload construction is complete, it shall be left in-place until 90% primary consolidation is completed, based on the Department's instrumentation data, or for a period no less than 120 days.*

**Question:** When will excavation be completed for the roadway under the bridge? There will be a lot more excavation and/or cofferdam if the bridge contractor has to excavate from the existing grade.

**Response:** *The bridge contractor and the highway contractor must work together for actual dates.*

**Question:** Pile Specification 501 refers to payment by the meter. Shouldn't this be by the foot?

**Response:** *See changes made to Special Provision 501 as addressed earlier in this amendment.*

**Question:** We'd be bidding on this project now, but it appears that the work is not going to be completed until next year, how is MDOT going to deal with price increase of material? Will they pay for materials stockpiled in vendors' yards?

**Response:** *Stock piling of materials shall be handled according to Specification 108.4.*

**Question:** Will the Bridge Contractor be responsible for excavation of any preload abutment embankment or pier material to construct the substructure. If so, how will the excavation be paid for?

**Response:** *Excavation for the abutments will be performed by the by-pass Contractor. Excavation for the pier from final grade down is the responsibility of the bridge Contractor and will be paid for under structural excavation.*

**Question:** Is the Bridge Contractor allowed to start construction immediately following contract award?

**Response:** *The Bridge Contractor must wait until the required settlement of the preload is achieved.*

**Question:** Can the abutment piers be built during the preload settlement period?

**Response:** *No, traffic will be maintained on the preload.*

**Question:** Is the bridge contractor going to have access to the project to construct the bridge for the entire six month road closure?

**Response:** *Yes.*

**Question:** Reference plan sheet nineteen under Superstructure Notes, note two refers to bridge drains, are there any bridge drains?

**Response:** *See change earlier in this amendment deleting note number two.*

**Question:** Reference plan sheet two under General Construction Notes note three, is all clearing to limits shown by highway contractor?

**Response:** *Yes.*

**Question:** There is a significant amount of excavation and possibly support of excavation to access the bottom of excavation at pier 1 and pier 2. Which contract is this part of?

**Response:** *The excavation of the piers below final grade is the responsibility of the Bridge Contractor. It is the responsibility of the Highway Contractor to excavate down to final grade.*

**Question:** Is it possible to come up with a date for the roadway excavation being complete at the bridge? It is hard to estimate costs if we do not know when the work will be done. Would it be possible to put a time requirement in the 8151.20 project saying something to the effect that "Excavation for the new bypass at the Flaggy Meadow Road Bridge will be completed by ..."

**Response:** *The roadway excavation at Flaggy Meadow Road is directly dependent upon the settlement. The preload shall be left in-place until 90% primary consolidation is completed, based on the Department's instrumentation data, or for a period no less than 120 days. Because of this requirement, we cannot place a time requirement on the excavation.*

**Question:** It would be good to establish the dates for road closure, is this possible?

**Response:** *For the reasons given in the previous answer, establishing dates will not be possible.*

Consider these changes and information prior to submitting your bid on July 11, 2007.

Sincerely,



for

Scott Bickford  
Contracts & Specifications Engineer

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**SPECIAL PROVISIONS**  
**SECTION 104**  
**Utilities**

**MEETING**

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

**GENERAL INFORMATION**

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

**Overview:**

<b>Utility/Railroad</b>	<b>Aerial</b>	<b>Underground</b>
Central Maine Power	X	
Time Warner Cable	X	
Verizon	X	
Maritimes & Northeast Pipeline		X
Portland Sewer District		X
Portland Water District		X

Temporary utility adjustments are **not** anticipated. If temporary relocation becomes necessary, sufficient time will need to be allowed prior to the construction for all required temporary relocation. If the **Contractor** feels temporary relocation is necessary they must notify the **Department** of their concerns prior to construction.

All utility crossings over highways will provide not less than 18 feet vertical clearance over existing ground in cut or over finished grade in fill, during construction of this project.

Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The **Contractor** shall have no claim against the Department if they are exceeded.

Utility working days are Monday through Friday, conditions permitting. Times are estimated on the basis of a single crew for each utility.

In all cases, the utilities shall be notified, by the **Contractor**, well in advance (three weeks) before work in any area is to commence.

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All clearing and tree removal which is a part of this contract in areas where utilities are involved must be completed by the **Contractor** before the utilities can relocate their facilities. Any tree removal or tree trimming required within ten feet of the electrical conductors must be done by a qualified contractor. A list of tree removal contractors qualified to remove trees or limbs within ten feet of the electrical conductors may be obtained from the power company.

The **Contractor** must coordinate with the utilities any cuts, fills and provide accesses that are required for the completion of their work in this section. This work must be completed within 60 calendar days after the award. The pole list provided has spot cuts and fills but cross sections should be used to double check grades by the **Contractor**.

The **Utilities** will provide an initial layout (stakes/nails) of the pole locations based on the pole list that is in the project proposal/specification book. The **Contractor** is then responsible for maintaining and or replacing the pole location stakes/nails until the poles are set by the respective utilities. The **Contractor** shall re-establish these pole locations in a timely manner in order for the utility to complete its work as quickly as possible. Before re-staking the **Contractor** shall contact the utility to verify all locations before proceeding with the layout. The **Contractor** shall employ or retain competent Engineering and/or surveying personnel to fulfill these responsibilities. The **Contractor** must notify the **Department** of any errors or inconsistencies regarding the data and layout provided by the utilities.

***Special note to Contractor and the Utilities:** The Contractor shall plan and schedule his work in such a manner that the utilities that are located on this project will not be harmed, damaged or impacted in any way. The Contractor and Utility will coordinate and communicate their work plans in an effort not to interfere with each other's progress or the completion of the project.*

## **AERIAL**

The existing pole list and estimated times for setting and transferring is noted below. All poles should be checked for spot cut and fills using the cross-sections on the plan and not rely solely on the below list. All above ground utility locations (hydrants, poles, guys, etc.) will be reviewed for compliance with the Department's Above Ground Pole Policy following the completion of the paving operation. Any above ground utility locations not meeting the Department's Above Ground Pole Policy will require relocation to the proper offset.

**Central Maine Power** has 2 sets of 345,000 volt power lines which cross the project at approximately Sta 1008+00. The elevations of these existing lines were checked by **Central Maine Power** and were found to have sufficient height for our new by-pass. The **Contractor** is to be aware that these lines cannot be covered and should exercise caution when working with

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over-height machinery. The **Contractor** is encouraged to inspect the existing height of these lines prior to bid.

**The Contractor** shall not excavate around any pole or guy anchor to a depth that compromises the stability of the pole.

The working days listed below are estimates given to the Department by the Utilities on the amount of time needed for them to complete their work. Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The **Contractor** shall have no claim against the Department if they are exceeded.

Utility	Pole Set Days	Trans. Wires/ Cables	Remove Poles	Estimated Working Days
CMP	8	X	X	15
Verizon	8	X	X	35
Time Warner Cable		X		21

**Flaggy Meadow Rd**

CMP Pole#	Existing Pole Station	Existing Pole Offset (feet)	Proposed Pole Station	Proposed Pole Offset (feet)	Spot Cut* (feet)	Spot Fill* (feet)
32	400+65.0	17.0 Right	Same	26.0 Lt	4.5	-----
31	402+08.0	21.0 Right	Same	26.0 Lt	-----	5.5
30 S	403+70.0	20.0 Lt	Same	22.0 Rt	-----	10.0
30	403+74.5	28.0 Rt	Same	26.0 Lt	-----	10.0
29	404+97.0	28.0 Rt	405+24.0	26.0 Lt	-----	6.5
28	406+55.0	26.0 Right	407+08.5	26.5 Lt	-----	-----
27	407+80.5	25.0 Right	Remove	-----	-----	-----
26	409+46.5	23.5 Right	409+28.0	21.0 Lt	-----	-----
26S			409+27.8	26.0 Rt		
25	411+07.5	21.5 Right	Same	-----	-----	-----
24	412+55.5	20.5 Right	Same	-----	-----	-----
23	414+08.5	21.5 Right	Same	-----	-----	-----

**Route 202**

CMP Pole#	Existing Pole Station	Existing Pole Offset (feet)	Proposed Pole Station	Proposed Pole Offset (feet)	Spot Cut* (feet)	Spot Fill* (feet)
37	0+18.5	21.0 Right	Same	-----	-----	-----

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36	1+66.0	20.5 Right	1+64.0	28.0 Lt		
35	3+30.0	21.0 Right	3+40.0	33.0 Lt	-----	-----
35S	3+42.0	33.0 Left	Remove	-----	-----	-----
34	4+68.0	16.0 Right	5+10.5	42.0 Lt	1.7	-----
33	6+00.5	11.0 Right	Remove	-----	-----	-----
32	7+27.0	12.5 Right	6+99.0	48.0 Lt	1.5	-----
31	8+84.5	14.50 Right	8+72.00	23.5 Rt	-----	-----
30	9+90.0	14.5 Right	Same	22.5 Rt	-----	-----
29	11+49.5	16.5 Right	11+38.0	23.5 Rt	-----	.7
28	12+61.5	15.0 Right	Same	21.0 Rt	-----	-----
27	13+77.5	16.0 Right	Field fit	Right	-----	-----

**Cressey Road**

CMP Pole#	Existing Pole Station	Existing Pole Offset (feet)	Proposed Pole Station	Proposed Pole Offset (feet)	Spot Cut* (feet)	Spot Fill* (feet)
1	301+41.0	27.0 Left	Same	32.0Lt		

**Ledge Lane**

CMP Pole#	Existing Pole Station	Existing Pole Offset (feet)	Proposed Pole Station	Proposed Pole Offset (feet)	Spot Cut* (feet)	Spot Fill* (feet)
1	201+53.0	15.0 Lt	Same	Same		

**Washburn Dr**

CMP Pole#	Existing Pole Station	Existing Pole Offset (feet)	Proposed Pole Station	Proposed Pole Offset (feet)	Spot Cut* (feet)	Spot Fill* (feet)
NET 87					N/A	N/A
NET 86	1+23.5	25.0 Left	1+23.5	25.0 Left	N/A	N/A
NET 85	2+57.0	25.5 Left	2+81.5	25.5 Left	N/A	N/A

**Route 114 South Street**

NET 84	104+37	55.5 Left	104+45	63.0 Right	N/A	N/A
NET 83	105+62.5	7.0 Right	N/A	N/A	N/A	N/A
New Anchor Pole	N/A	N/A	106+82	56.0 Left	N/A	1.0

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NET 82D 82 1 CMP	106+23.5	112.0 Right	N/A	N/A	N/A	N/A
NET 82	106+92	55.0 Right	106+63	58.0 Right	N/A	2.0
NET 81	108+18	103.0 Right	109+22	80.0 Right	N/A	1.0
NET 76	111+33.5	12.0 Right	111+50.5	38.0 Right	1.5	N/A
New Anchor Pole	N/A	N/A	111+43	38.0 Left	N/A	N/A
NET 3 75 CMP	113+99	29.0 Left	113+51	37.0 Right	1.5	N/A
New	N/A	N/A	115+70	32.0 Right	1.0	N/A
No #	116+73.5	37.0 Left	N/A	N/A	N/A	N/A

**Route 25  
State Street**

CMP 39.5	504+72	19.0 Left	N/A	N/A	N/A	N/A
CMP 39	506+14	23.5 Left	N/A	N/A	N/A	N/A
CMP 38.1	507+46	40.0 Right	Same	44.0 Right	0.0	0.0
CMP 37/37	509+00	43.0 Left	509+34	48.0 Left	5.0	N/A
CMP 38	507+64	28.0 Left	507+04	36.5 Left	7.5	
CMP 36/36	510+40	66.0 Left	N/A	N/A	N/A	N/A
CMP 35/35	511+50	95.0 left	511+64	51	10.0	n/a
CMP 34/38	512+82	144.0 Left	N/A	N/A	N/A	N/A
No #	515+53	6.5 Left	N/A	N/A	N/A	N/A
CMP 37/37	515+73	176.0 Left	(514+90) 513+88	136.0 Left 106.0 Left	5.5	N/A
CMP 32/32	517+55	86.0 Left	517+19	57.0 Left	7.0	N/A
CMP 31/31	519+47	29.0 Left	519+39	34.0 Left	1.0	N/A
CMP 212G/30/30	521+86	25.5 Left	521+80	32.0 Left	0.0	0.0
CMP 33S	522+46	37.0 Right	N/A	N/A	N/A	N/A
CMP 29/900/212G	524+22	23.0 Left	N/A	N/A	N/A	N/A
CMP 28/28	526+41	23.5	N/A	N/A	N/A	N/A



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		<b>Left</b>				
<b>CMP 27</b>	<b>528+73</b>	<b>23.5 left</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

**UNDERGROUND**

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

The **Portland Water District** has entered into an agreement with the Maine Department of Transportation to include installation of a new water main as shown on the plans and specs around the new bridge on Flaggy Meadow Road with bid items in Category 2 as part of this project. The **Contractor** shall install this water system as part of the bid document and shall include installation of the new water system in the schedule for construction. This additional water line work will be included in the items used to determine low bid and **is not** an option out clause. The **Contractor** is encouraged to read the “Description” section of the **Portland Water District** spec for a time line of this water main installation. The contact for the **Portland Water District** is Ned Pierce at 774-5961 ext 3043.

The **Portland Water District** has facilities in the area of Rte 202 and the by-pass and will require 5 working days notification before adjustments are required. The **Portland Water District** will check, loosen and lower their respective structures before any milling or shimming process. (see chart below) Additional days may be required for repairs to any structures that are found to be broken or not operating properly. The **Portland Water District** will then raise their respective structures during the paving operation. There may be conflicts with the proposed drainage and the water or sewer lines in this area. The **Contractor** and **Portland Water District** are encouraged to dig test pits well in advance of the drainage operation to discover actual location of existing utilities to see if adjustments are needed. Work for pits will be paid under **Portland Water Districts** item. This work will be coordinated by the **Contractor** and the **Portland Water District**. The contact for the **Portland Water District** is Frank Meader at 774-5961.

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Utility	Summary of Work	Estimated Working Days
Portland Water District	Adjust Gate Valves	15
Portland Sewer District	Adjust Manholes to Grade	10

The **Portland Water District** will inspect all existing valve boxes and manholes for damage prior to the start of the project. Any boxes or manholes damaged by the contractor will be repaired or replaced at the contractor's expense.

**M&N Operating Company** has a high pressure gas transmission main on the project which we cross at Sta. 1010+00. **M&N Operating Company** must be notified at least one week prior to any work in the area of the gas main. **M&N Operating Company** has provided the following rules for the **Contractor** to obey when working over or around their facility. The **Contractor** shall familiarize themselves with the below spec but should pay special attention to 3.6. The contact for **M&N Operating Company** is Don Thompson at 737-8249.

## 1.0 PURPOSE

- 1.1 This guideline presents the requirements for construction in the vicinity of a Company pipeline(s) or pipeline right-of-way. These requirements are general in nature whereby specific circumstances may necessitate special considerations.

The following areas are addressed.

- 1.0 Purpose
- 2.0 Company Notifications
- 3.0 General Requirements
- 4.0 Excavation and Blasting
- 5.0 Foreign Line Crossings

- 1.2 If any of the conditions stated in this document can not be satisfied, the Company representative shall be advised immediately.

## 2.0 COMPANY NOTIFICATIONS

- 2.1 The Company considers it essential that developers and contractors know the exact location and depth of the Company's pipeline(s) and requires that the

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pipeline(s) be shown on the contractor's plans.

2.2 The Company will field locate and stake its pipeline(s) at selected points in accordance with state and local requirements at no cost to the developer or contractor. Note: A Company representative must be present during the excavation to expose the pipeline.

2.3 The Company shall be given at least three (3) working days advance notice prior to the actual commencement of any work or excavation over or near its pipeline right-of-way so that the Company may locate its pipeline(s) and have a field representative present during excavation or construction activities.

2.4 In addition to complying with the above Company requirements, developers, contractors, utility companies, and landowners shall comply with the provisions of all state and/or local one-call regulations relating to excavation and demolition work in the vicinity of underground facilities.

### **3.0 GENERAL REQUIREMENTS**

3.1 No buildings, structures or other obstruction may be erected within, above or below the pipeline right-of-way. If requested, the Company will furnish pipeline easement information which describes the pipeline right-of-way width.

3.2 Wire type, stockade, decorative and similar type fencing that can be easily removed and replaced may cross the pipeline right-of-way at or near right angles.

3.3 Planting of trees is not permitted on the pipeline right-of-way.

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- 3.4 Planting of shrubs, bushes or other plants associated with landscaping on the pipeline right-of-way is subject to Company approval and shall not exceed 4 feet in height.
- 3.5 No drainage swells and no reductions in grade are permitted on the pipeline right-of-way.
- 3.6 A Company representative shall give prior approval for heavy equipment to cross the Company pipeline(s) at any location. Minimum cover and other requirements will be determined by the Company on an individual basis.
- 3.7 Parking areas should be planned so as to avoid covering the pipeline right-of-way if possible.
- 3.8 No roads, foreign lines, or utilities may be installed parallel to the pipeline within the pipeline right-of-way.
- 3.9 All foreign lines, roads, electrical cables and other utilities shall cross the pipeline right-of-way at an angle at or near right angles, if practical.

#### **4.0 EXCAVATION AND BLASTING**

4.1 Excavation operations shall be performed in accordance with the guidelines set forth below.

- 4.1.1 When a contractor excavates near Company pipelines, the Company representative shall be on site at all times to locate the pipeline(s), to determine the depth of cover before and during the excavation (see Section 2.4) and to witness the excavation and backfilling operations. The

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contractor shall not perform any excavation, crossing, backfilling or construction operations unless the Company representative is on site. The Company representative shall have full authority to stop the work if it is determined that the work is being performed in an unsafe manner.

4.1.2 Excavation by a third party backhoe or other mechanical equipment shall not be permitted within the Company pipeline right-of-way until an excavation plan has been reviewed and approved by the Company representative. The excavation plan may be a written document produced by the contractor or a verbal discussion between the contractor and the Company representative. As a minimum, the excavation plan shall include but not be limited to the following:

- Backhoe set-up position in relationship to the pipeline
- Need for benching to level backhoe
- Required excavation depth and length
- Sloping and shoring requirements
- Ingress/egress ramp locations
- Minimum clearance requirements for mechanical equipment
- Verify bar has been welded onto backhoe bucket teeth and side cutters have been removed
- Pipeline location and depth
- Spoil pile location
- Compliance with OSHA regulations

4.1.3 No mechanical excavation equipment shall be used within the greater of 18 inches or the applicable dig-safe law of the pipeline(s). Hand shovels shall be used to push the dirt directly above the pipeline(s) into the ditch.

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4.1.4 Federal regulations require that the Company's pipe be inspected whenever it is exposed. OSHA regulations pertaining to excavations must therefore be met to ensure the safety of the Company representative who must enter the excavation.

4.2 Blasting operations shall be performed in accordance with the minimum guidelines set forth below. Consult TG-111, "Blasting Adjacent to In-Service Pipelines" for more detailed information.

4.2.1 The Company shall be advised of any blasting proposed within 200 feet (500 feet for large scale quarry-type blasting) of its facilities. No blasting is permitted within the pipeline right-of-way, and no blasting shall occur outside the pipeline right-of-way if the Company determines that such blasting may be detrimental to its facilities.

4.2.2 The Company reserves the right to require that the party responsible for blasting furnish a detailed blasting plan at least three (3) working days prior to blasting to allow for evaluation and to make arrangements for witnessing the blasting operation. Blasting codes shall be followed in all cases.

## **5.0 FOREIGN LINE CROSSINGS**

5.1 All buried foreign lines shall be installed as noted below and as stated in Sections 3.8 and 3.9, as appropriate.

5.1.1 Foreign lines shall be installed below the Company's pipeline(s) with a minimum of 12" of clearance except as noted in Section 5.1.2. Additional

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separation may be required in marshy areas or other areas where the 12” of clearance would have a potential to cause future problems.

5.1.2 If the normal crossing requirements present undue difficulties, foreign lines may be installed above the Company's pipeline(s) with prior approval from the Company representative. All such lines shall be installed with a minimum of 12” of clearance. The Company will not be responsible for any damage or required repairs which are caused by the Company's operating and maintenance activities when foreign lines are installed above the pipeline(s).

5.1.3 Suitable backfill shall be placed between the foreign line and the Company's pipeline(s).

5.1.4 The installation of test leads (two No. 12 THW black insulated solid copper wires) attached at the point of crossing for corrosion control monitoring may be required for metallic foreign lines as directed by the Company representative. Test wires shall be routed underground and terminated at a point specified by the Company.

5.2 The following requirements shall be met for fiber optic cables which encroach upon the pipeline right-of-way.

5.2.1 High capacity fiber optic cable shall be installed in a rigid non-metallic conduit or covered in 6-8" of concrete which has been colored with an orange dye extending across the entire pipeline right-of-way.

5.2.2 The fiber optic cable shall be installed a minimum of 12” below the Company’s pipeline(s) across the entire width of the pipeline right-of-way, unless approved by the Company representative.

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5.2.3 Orange warning tape shall be buried a minimum of 18" directly above the fiber optic cable across the entire width of the pipeline right-of-way, where practical.

5.2.4 The fiber optic cable crossing shall be clearly and permanently marked with identification signs on both sides of the pipeline right-of-way.

5.3 The information listed below shall be furnished to the Company for all proposed electrical cables which will encroach upon the pipeline right-of-way.

- Number, spacing and voltage of cables
- Line loading and phase relationship of cables
- Grounding system
- Position of cables and load facilities relative to pipeline(s)

5.4 Specific installation requirements for cables carrying less than 600 volts shall be determined by the Company on a case by case basis.

5.5 The following installation requirements shall be met for electrical cables carrying over 600 volts but less than 7,600 volts. The Company will determine the installation procedures for electrical lines carrying voltages over 7,600 volts on a case by case basis.

5.5.1 The electrical cable shall be installed in a rigid non-metallic conduit covered in a minimum thickness of 2" of concrete which has been colored with a red dye extending across the entire pipeline right-of-way.

5.5.2 The electrical cable shall be installed a minimum of 12" below the



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Company's pipeline(s) across the entire width of the pipeline right-of-way, unless approved by the Company representative.

- 5.5.3 Each phase conductor should be surrounded with a spirally wound, concentric neutral conductor. The neutral may be within the outer cable jacket.
- 5.5.4 Red warning tape shall be buried a minimum of 18" directly above the electric cable across the entire width of the pipeline right-of-way, where practical.
- 5.5.5 The electric cable crossing shall be clearly and permanently marked with identification signs on both sides of the pipeline right-of-way.

5.6 Overhead power line and telephone line installations shall be reviewed by the Company on an individual basis. As a minimum requirement, overhead lines shall be installed with a minimum clearance of 25 feet above the grade of the pipeline right-of-way. The installation of poles will not be permitted on the pipeline right-of-way.

### **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.

### **SAFE PRACTICES AROUND UTILITY FACILITIES**

The **Contractor** shall be responsible for complying with M.R.S.A. Title35-A, Chapter 7-A Sections 751 -761 Overhead High-Voltage Line Safety Act. Prior to commencing any work that may come within ten (10) feet of any aerial electrical line; the Contractor shall notify the aerial utilities as per section 757 of the above act.

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**DIG SAFE**

The **Contractor** shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work and shall notify utilities of proposed excavation in accordance with M.R.S.A. Title 23 §3360-A, Maine “Dig Safe” System. The **Contractor** is also reminded that all utilities on the project may not be members of Dig Safe.

**MAINTAINING UTILITY LOCATION MARKINGS**

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

**THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK ACCORDINGLY.**

<b><u>Utility Contacts</u></b>	<b><u>Coordinator</u></b>	<b><u>Phone</u></b>
Central Maine Power Co.	Gary Crabtree	791-8025
Time Warner Cable	Don Johnson	253-2291
Verizon	Marty Pease	797-1170
Portland Water District (main extension)	Ned Pierce	774-5961 ext 3043
M&N Operating Co	Don Thompson	737-8249 ext 239
Portland Water District (adjustments)	Frank Meader	767-8418 (pager)

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**SPECIAL PROVISION**  
**SECTION 105**  
**CONTROL of WORK**  
(Cooperation Between Contractors)

It is hereby brought to the Contractor's attention that the Department has plans to advertise and award a contract within the limits of this contract, which may be in progress simultaneously.

The Contractor shall cooperate with other Contractors at all times and provide project access as necessary and as directed by the Resident.

There is a Roadway Construction project being constructed between 2007 and 2009. The work on project HP-8151(200) Gorham will include placing a preload to the final grade elevations as shown on the plans, all roadway and slope work on Flaggy Meadow Road, excavation at bridge location down to final grade, and construction of new bypass beneath the structure. The HP-8151(200) Gorham Contract states that the excavation under Flaggy Meadow Road Bridge shall be performed within the first two weeks of the road closure.

When the bridge is ready for Aggregate Subbase Coarse – Gravel, riprap, or pavement, the Contractor shall notify the Resident and Contractor for project HP-8151(200) Gorham.

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SPECIAL PROVISION  
SECTION 107  
PROSECUTION OF WORK  
and  
**SUPPLEMENTAL LIQUIDATED DAMAGES**

Once the Contractor commences work on this project the work shall be continuous through completion.

The new structure shall be in place and project ready for pavement and Aggregate Subbase Coarse- Gravel placement by September 30, 2008, unless agreed upon by the Resident and the Contractor for HP-8151(200) Gorham project.

Supplemental liquidated damages will be assessed to the Contractor at the rate of five-hundred dollars (\$500.00) per day the project is not prepared for paving beyond the above mentioned date. If an agreement is met between the Contractor for this project, the Contractor for HP-8151(200) Gorham project, and the Resident, that a later date is acceptable, then the liquidated damages for missing the September 30, 2008 date may be waived.

This assessment of liquidated damages will be in addition to the liquidated damages specified in Section 107 of the Standard Specifications.