



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(200)
Pin No. 8151.20
Amendment No. 3

Dear Sir/Ms:

Please make the following changes to the Bid Documents:

In the Bid Book, REMOVE the "Schedule of Items" dated 070525, sixteen pages total, and REPLACE with the attached "Schedule of Items" dated 070629, fifteen pages total.

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.

On "Special Provision Section 105 General Scope of Work (Environmental Requirements)", under subsection *Water body name(s) with Station #*, note number three, DELETE 1183 + 50, and REPLACE with 1083 + 50.
Make this change in pen and ink.

DELETE "Special Provision Section 105 Control of Work (Cooperation Between Contractors)" dated April 11, 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 12, 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.



PRINTED ON RECYCLED PAPER

The following questions have been received:

Question: Where are the elevations of the top of the three preloads shown?

Response: *Final roadway elevations.*

Question: After the preload @ Flaggy Meadow is completed, will Flaggy Meadow require temporary pavement? If so, will it be a pay item?

Response: *Flaggy Meadow Road must have 2" minimum pavement during the winter. Payment for this shall be under Item 403.213.*

Question: In the areas previously cleared by others (approximately 70% of the project) will the contractor be responsible for erosion control measures prior to starting work in these areas?

Response: *Yes*

Question: Is there a detail available for Item 504.069, Concrete Pipe Ties?

Response: *Yes, Refer to details 504(25) through 504(27) in State of Maine Standard Details Book - Revision of December 2002*

Question: Locations for Item 626.634, 24" Silt Fence are shown on the plans, is all other silt fence required to be paid under Item 656.75, Temporary Soil Erosion and Water Pollution Control?

Response: *Yes*

Question: 24" Silt Fence location is shown being installed outside of the clearing limits. Is this the correct location or can it be installed where the trees have been removed?

Response: *The location noted on the plans is correct.*

Question: Regarding the liquidated damages mentioned in SP107 regarding the closure of Flaggy Meadow Road, how is it determined if the bridge contractor or highway contractor is responsible if the closure lasts more than 6 months.

Response: *See the amended Special Provision 107 as addressed in this amendment*

Question: Please provide more detail on the extent of the Flaggy Meadow water line work. Also where is the 300 lf of 1.5 inch copper water service pipe located?

Response: *The water main relocation is shown correctly on the cross sections. The 1.5" copper water line can be plastic and it services the house to be used as a field office at station 404+00+/- lt. 153 Flaggy Meadow Road.*

Question: SP 105, #3-should the stationing read 1083 and not 1183?

Response: *Yes, please see changes as addressed in this amendment.*

Question: Will the electrical conductors be deenergized during the wick drain installation at Flaggy Meadow Rd? If not, can the wicks be eliminated within the OSHA safety zone?

Response: *The conductors will be deenergized.*

The following four questions are regarding Item 607.092-

Question #1: Is this 8' high or 8' posts?

Response: *8' high fence.*

Question #2: Is this the same gauge wire as the 4' woven wire?

Response: *Yes*


Question #3: Are the posts a studded T post like the 4' high fence?

Response: *No, 2½" x 12' Galvanized Steel Posts.*

Question #4: Do Type I or Type II brace assemblies need to be set in concrete or can we drive them and use drive anchors.

Response: *See Standard Specification, section 607.03.*

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

Sincerely,
for 
Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008151.20

PROJECT(S): HP-8151(200)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.11 CLEARING	33.000 AC				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	36.000 EA				
0030	201.24 REMOVING STUMP	36.000 EA				
0040	202.08 REMOVING BUILDING NO.: 1	LUMP	LUMP			
0050	202.08 REMOVING BUILDING NO.: 2	LUMP	LUMP			
0060	202.08 REMOVING BUILDING NO.: 3	LUMP	LUMP			
0070	202.15 REMOVING MANHOLE OR CATCH BASIN	3.000 EA				
0080	203.20 COMMON EXCAVATION	147500.000 CY				
0090	203.21 ROCK EXCAVATION	9100.000 CY				
0100	203.2318 DISPOSAL OF SPECIAL WASTE	50.000 T				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	203.24 COMMON BORROW	228000.000 CY				
0120	203.2411 COMMON BORROW / TIRE SHRED FILL	LUMP	LUMP			
0130	203.242 DIRTY BORROW	7850.000 CY				
0140	203.25 GRANULAR BORROW	9000.000 CY				
0150	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	50.000 CY				
0160	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	260.000 CY				
0170	209.29 VERTICAL DRAINAGE WICKS - PREFABRICATED	85100.000 LF				
0180	304.09 AGGREGATE BASE COURSE - CRUSHED	49000.000 CY				
0190	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	54000.000 CY				
0200	304.123 AGGREGATE SUBBASE COURSE - SAND (TRUCK MEASURE)	50.000 CY				
0210	403.207 HOT MIX ASPHALT 19.0 MM HMA	13100.000 T				

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			DOLLARS	CTS	DOLLARS	CTS
0220	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	9760.000				
		T				
0230	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	470.000				
		T				
0240	403.210 HOT MIX ASPHALT 9.5 MM HMA	315.000				
		T				
0250	403.211 HOT MIX ASPHALT (SHIMMING)	100.000				
		T				
0260	403.213 HOT MIX ASPHALT 12.5 MM HMA BASE	10420.000				
		T				
0270	409.15 BITUMINOUS TACK COAT - APPLIED	5060.000				
		G				
0280	502.341 STRUCTURAL CONCRETE ROADWAY MEDIAN	255.000				
		CY				
0290	502.342 STRUCTURAL CONCRETE ROADWAY TRUCK APRON	285.000				
		CY				
0300	504.069 CONCRETE PIPE TIES	72.000				
		EA				
0310	512.07 FRENCH DRAINS (STONES ONLY)	160.000				
		CY				
0320	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000				
		EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	603.15 12 INCH CULVERT PIPE OPTION I	185.000 LF				
0340	603.155 12 INCH REINFORCED CONCRETE PIPE CLASS III	440.000 LF				
0350	603.16 15 INCH CULVERT PIPE OPTION I	50.000 LF				
0360	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	53.000 LF				
0370	603.17 18 INCH CULVERT PIPE OPTION I	200.000 LF				
0380	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	130.000 LF				
0390	603.185 21 INCH REINFORCED CONCRETE PIPE CLASS III	70.000 LF				
0400	603.19 24 INCH CULVERT PIPE OPTION I	36.000 LF				
0410	603.20 30 INCH CULVERT PIPE OPTION I	25.000 LF				
0420	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	330.000 LF				
0430	603.215 36 INCH REINFORCED CONCRETE PIPE CLASS III	184.000 LF				

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			DOLLARS	CTS	DOLLARS	CTS
0440	603.225 42 INCH REINFORCED CONCRETE PIPE CLASS III	50.000 LF				
0450	603.235 48 INCH REINFORCED CONCRETE PIPE CLASS III	504.000 LF				
0460	603.255 60 INCH REINFORCED CONCRETE PIPE CLASS III	100.000 LF				
0470	603.256 60" RCP CLASS III - INCLUDING FISH WEIRS	100.000 LF				
0480	603.2891 96" RCP CLASS III	220.000 LF				
0490	603.43 36 INCH REINFORCED CONCRETE PIPE CLASS IV	216.000 LF				
0500	603.44 42 INCH REINFORCED CONCRETE PIPE CLASS IV	236.000 LF				
0510	603.45 48 INCH REINFORCED CONCRETE PIPE CLASS IV	124.000 LF				
0520	604.072 CATCH BASIN TYPE A1-C	14.000 EA				
0530	604.092 CATCH BASIN TYPE B1-C	9.000 EA				
0540	604.246 CATCH BASIN TYPE F5	2.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0550	604.247 CATCH BASIN TYPE F5-C	1.000 EA				
0560	604.262 CATCH BASIN TYPE B5-C	1.000 EA				
0570	605.09 6 INCH UNDERDRAIN TYPE B	1500.000 LF				
0580	605.10 6 INCH UNDERDRAIN OUTLET	60.000 LF				
0590	605.11 12 INCH UNDERDRAIN TYPE C	1350.000 LF				
0600	605.12 15 INCH UNDERDRAIN TYPE C	320.000 LF				
0610	606.1721 BRIDGE TRANSITION - TYPE 1	12.000 EA				
0620	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	6250.000 LF				
0630	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	50.000 LF				
0640	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA				
0650	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	50.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0660	606.356 UNDERDRAIN DELINEATOR POST	4.000 EA				
0670	606.47 SINGLE WOOD POST	14.000 EA				
0680	606.79 GUARDRAIL 350 FLARED TERMINAL	22.000 EA				
0690	607.09 WOVEN WIRE FENCE - METAL POSTS	33800.000 LF				
0700	607.092 WOVEN WIRE FENCE - METAL POSTS (8')	4000.000 LF				
0710	607.32 BRACING ASSEMBLY TYPE I - METAL POSTS	12.000 EA				
0720	607.321 BRACING ASSEMBLY TYPE I METAL POST (8')	8.000 EA				
0730	607.33 BRACING ASSEMBLY TYPE II - METAL POSTS	81.000 EA				
0740	607.331 BRACING ASSEMBLY TYPE II METAL POSTS (8')	16.000 EA				
0750	609.11 VERTICAL CURB TYPE 1	3030.000 LF				
0760	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	690.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	20.000 EA				
0780	609.31 CURB TYPE 3	1850.000 LF				
0790	609.34 CURB TYPE 5	5375.000 LF				
0800	609.341 CURB TYPE 5 - TRUCK APRON	975.000 LF				
0810	609.35 CURB TYPE 5 - CIRCULAR	190.000 LF				
0820	610.08 PLAIN RIPRAP	7200.000 CY				
0830	610.18 STONE DITCH PROTECTION	30.000 CY				
0840	610.210 STREAM CHANNEL ROCK	25.000 CY				
0850	610.211 STREAM CHANNEL GRAVEL	10.000 CY				
0860	613.319 EROSION CONTROL BLANKET	11000.000 SY				
0870	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	850.000 UN				

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			DOLLARS	CTS	DOLLARS	CTS
0880	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	420.000 UN				
0890	619.1201 MULCH - PLAN QUANTITY	1270.000 UN				
0900	619.1301 BARK MULCH	40.000 CY				
0910	619.1401 EROSION CONTROL MIX	240.000 CY				
0920	620.54 STABILIZATION GEOTEXTILE	2500.000 SY				
0930	620.58 EROSION CONTROL GEOTEXTILE	5180.000 SY				
0940	621.019 EVERGREEN TREES (2 FOOT - 3 FOOT) GROUP A	6.000 EA				
0950	621.025 EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP A	9.000 EA				
0960	621.031 EVERGREEN TREES (4 FOOT - 5 FOOT) GROUP A	12.000 EA				
0970	621.037 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP A	12.000 EA				
0980	621.039 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP C	4.000 EA				

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PROJECT(S): HP-8151(200)

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0990	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	16.000 EA				
1000	621.045 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP C	6.000 EA				
1010	621.048 EVERGREEN TR (8' - 9') GP C	11.000 EA				
1020	621.121 SMALL DECIDUOUS TREES (5 FOOT - 6 FOOT) GROUP B	20.000 EA				
1030	621.196 MEDIUM DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP B	3.000 EA				
1040	621.246 LARGE DECIDUOUS TREES (3 FOOT - 4 FOOT) GROUP A	30.000 EA				
1050	621.255 LARGE DECIDUOUS TREES (8 FOOT - 10 FOOT) GROUP A	22.000 EA				
1060	621.261 LARGE DECIDUOUS TREES (10 FOOT - 12 FOOT) GROUP A	12.000 EA				
1070	621.273 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	9.000 EA				
1080	621.395 DWARF EVERGREENS (18 INCH - 24 INCH) GROUP A	25.000 EA				
1090	621.51 HYBRID RHODODENDRON (15 INCH - 18 INCH)	24.000 EA				

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PROJECT(S): HP-8151(200)

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1100	621.511 HYBRID RHODODENDRON (18 INCH - 24 INCH)	126.000 EA				
1110	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	100.000 EA				
1120	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	27.000 EA				
1130	621.558 DECIDUOUS SHRUBS (4 FOOT - 5 FOOT) GROUP A	3.000 EA				
1140	621.71 HERBACEOUS PERENNIALS GROUP A	500.000 EA				
1150	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
1160	626.11 PRECAST CONCRETE JUNCTION BOX	1.000 EA				
1170	626.21 METALLIC CONDUIT	120.000 LF				
1180	626.22 NON-METALLIC CONDUIT	5600.000 LF				
1190	626.32 24 INCH FOUNDATION	44.000 EA				
1200	626.35 CONTROLLER CABINET FOUNDATION	3.000 EA				

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PROJECT(S): HP-8151(200)

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1210	627.18 12 " SOLID WHITE PAVEMENT MARKING	3510.000 LF				
1220	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	79400.000 LF				
1230	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	800.000 SF				
1240	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			
1250	629.05 HAND LABOR, STRAIGHT TIME	100.000 HR				
1260	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	65.000 HR				
1270	631.13 BULLDOZER (INCLUDING OPERATOR)	20.000 HR				
1280	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	65.000 HR				
1290	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR				
1300	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	10.000 HR				
1310	631.22 FRONT END LOADER (INCLUDING OPERATOR)	25.000 HR				

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PROJECT(S): HP-8151(200)

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1320	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	5.000 HR				
1330	634.16 HIGHWAY LIGHTING	LUMP	LUMP			
1340	634.21 CONVENTIONAL LIGHT STANDARD	44.000 EA				
1350	639.26 INSTRUMENTATION - GEOTECHNICAL	LUMP	LUMP			
1360	639.261 INSTRUMENTATION GEOTECHNICAL - TRADITIONAL SETTLEMENT PLATFORM	LUMP	LUMP			
1370	639.32 FIELD OFFICE - MODIFICATIONS	LUMP	LUMP			
1380	652.31 TYPE I BARRICADE	20.000 EA				
1390	652.312 TYPE III BARRICADE	12.000 EA				
1400	652.33 DRUM	50.000 EA				
1410	652.34 CONE	100.000 EA				
1420	652.342 42 INCH CONE	50.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1430	652.35 CONSTRUCTION SIGNS	1550.000 SF				
1440	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	540.000 CD				
1450	652.38 FLAGGER	2000.000 HR				
1460	652.41 PORTABLE - CHANGEABLE MESSAGE SIGN	6.000 EA				
1470	656.634 24" SILT FENCE	3700.000 LF				
1480	656.66 STONE CHECK DAM	20.000 CY				
1490	656.71 LEVEL LIP SPREADERS	55.000 CY				
1500	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
1510	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	1900.000 SY				
1520	659.10 MOBILIZATION	LUMP	LUMP			
1530	660.21 ON-THE-JOB TRAINING (BID)	6000.000 HR				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1540	803.011 TEST PITS W-9	24.000 CY				
1550	822.315 TAPPING SLEEVE W-3	2.000 EA				
1560	822.36 12 INCH DUCTILE IRON PIPE W-1	15.000 LF				
1570	822.3661 14" WATERMAIN W-2	650.000 LF				
1580	823.31 12 INCH GATE VALVE W-4	2.000 EA				
1590	823.341 AIR RELEASE VALVE W-6	1.000 EA				
1600	824.30 FIRE HYDRANT W-5	1.000 EA				
1610	825.431 1 1/2 INCH COPPER SERVICE W-7	300.000 LF				
1620	827.302 UNSUITABLE SOIL EXCAVATION - BELOW GRADE W-8	100.000 CY				
	SECTION 0001 TOTAL					
	TOTAL BID					

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

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:

Utility/Railroad	Aerial	Underground
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.

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

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	-----	-----	-----

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

		Left				
CMP 27	528+73	23.5 left	N/A	N/A	N/A	N/A

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.

Town: **Gorham By-Pass**
 Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
 Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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.

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

- 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

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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.

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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.

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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.

Town: **Gorham By-Pass**
Project: **HP-8151 (200) Pin 8151.20**
HP -8151(500) Pin 8151.50
HP -8151(600) Pin 8151.60
Date: **July 5, 2007**

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.

<u>Utility Contacts</u>	<u>Coordinator</u>	<u>Phone</u>
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)

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 are Bridge Construction projects being constructed during 2008. The work on project HP-8151(500) Gorham will occur on Flaggy Meadow Road while the bypass is being constructed below. The HP-8151(500) Gorham contract states that the project shall be complete and ready for Aggregate Subbase Coarse – Gravel and Pavement by September 30, 2008. If the Contractor is not ready for ASCG and Pavement by September 30, 2008, then the Contractor shall notify the Resident and Contractor for project HP-8151(500) Gorham.

The work on project HP-8151(600) Gorham will occur on the bypass while the bypass is being constructed. The Contractor shall provide access to the bridge locations for the Contractors for the other projects. The HP-8151(600) Gorham contract states that the project shall be complete and ready for Aggregate Subbase Coarse – Gravel and Pavement by September 30, 2008. If the Contractor is not ready for ASCG and Pavement by September 30, 2008, then the Contractor shall notify the Resident and Contractor for project HP-8151(600) Gorham.

When the excavation for the abutments at Flaggy Meadow Road is ready for the bridge contractor, the Contractor shall notify the Resident and Contractor for project HP-8151(500) Gorham. The excavation limits are shown in the diagrams to the end of the specification.

When the excavation for the abutments at Gully Brook Bridge and the Newt Bridge is complete, the Contractor shall notify the Resident and Contractor for project HP-8151(600) Gorham. The excavation limits are shown in the diagrams to the end of the specification.

Gorham
HP-8151(200)
July 3, 2007

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 preload and wick drains at Flaggy Meadow Road, Gully Brook Bridge and Newt Bridge shall be complete and in place by November 1, 2007. Supplemental liquidated damages will be assessed to the Contractor at the rate of five-hundred dollars (\$500.00) per day the preload and wick drains installation is not complete by the aforementioned date.

Flaggy Meadow Road may be closed for a maximum of six months during 2008. The closure shall be consecutive in duration and may not occur until the settlement requirements of the contract have been met. The Contractor shall have a maximum of two weeks to excavate below Flaggy Meadow Road Bridge to the limits shown in Special Provision 105 around the abutments and final grade elevations at all other locations. Supplemental liquidated damages will be assessed to the Contractor at the rate of five-hundred dollars (\$500.00) per day that the area is not excavated to the aforementioned limits. No traffic shall be applied to the bridge until a minimum of waterproofing and one layer of pavement has been placed.

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