



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

March 11, 2021  
Subject: Placement of Plant-Mixed  
Recycled Asphalt Pavement, HMA  
Overlay with Drainage, Safety &  
Intersection Improvements  
State WINs: 022581.10 & 022581.55  
Location: **Newburgh & Hampden**  
**Amendment No. 1**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** pages 11 – 14, Proposal Schedule of Items, 4 pages, dated 2/17/2021, and **REPLACE** with the attached, revised Proposal Schedule of Items, 5 pages, dated 3/11/2021.

**REMOVE** pages 36 – 41, CONSTRUCTION NOTES, 6 pages, dated February 17, 2021, and **REPLACE** with the attached, revised CONSTRUCTION NOTES, 7 pages, dated March 10, 2021.

**REMOVE** pages 43 – 46, GENERAL NOTES, 4 pages, dated January 28, 2021, and **REPLACE** with the attached, revised GENERAL NOTES, 4 pages, dated March 10, 2021.

**REMOVE** page 58, SPECIAL PROVISION – SECTION 105 - PROSECUTION AND PROGRESS - (LIMITATIONS OF OPERATIONS), 1 page, dated January 12, 2021, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 105 - PROSECUTION AND PROGRESS - (LIMITATIONS OF OPERATIONS), 2 pages, dated March 10, 2021.

The following questions have been received:

**Question:** Could the Department please provide information on the pipes (size, depth, material, etc) to be installed utilizing the hourly items?

**Response:** See above changes. Pipe size, depth, material and extension lengths have been added to the Construction Notes.

**Question:** How will items typically considered incidental to 603 items be covered since pipes will be installed under hourly rental items? (i.e. pumping, if necessary, brush/tree trimming, traffic bypass if necessary, cutting of pipes, ditching at pipe ends, etc.)

**Response:** Bypass pumping will be required for the installation of the pipe extension at Station 127+65, additionally if bypass pumping required for any other pipe replacements bypass pumping will be considered incidental to item 656.75 TSEWPC. Other items typically considered incidental to 603 items will be paid at contract unit prices, i.e. hand labor, hourly rental items or gravel/granular borrow items. Saw cutting of the pavement will be considered incidental to the 403 items.

**Question:** The construction notes that there are approximately 80 driveway pipes on the project. Does the department have an estimated number of how many of these will be replaced?

**Response:** See above changes to the Construction Notes. There are approximately 60 pipes that need to be replaced and 50 pipes that need to be removed and reset.

**Question:** The earliest date for in-stream pipes is June 1st, while the pugmill is shown starting on May 10th. The pipes, drainage and shoulder work need to be completed prior to the placement of PM Rap. Does the department intent to have PM Rap installed prior to pipe installation, and then install the pipes?

**Response:** See above changes to SPECIAL PROVISION – SECTION 105 - PROSECUTION AND PROGRESS - (LIMITATIONS OF OPERATIONS). All shoulder work, 6-inch underdrain type b, cross-pipe replacements and extensions, with the exception of the cross-pipe extension at Station 127+65 left shall be completed prior to the placement of the PMRAP.

**Question:** If the department intends to have the instream pipe work completed after the PM Rap installation, who will be responsible for repairs to the PM Rap should it be damaged completing this work?

**Response:** The Department intends to have the instream cross-pipe extension at Station 127+65 left completed after the placement of the PMRAP. The Department approximates that the connection will be made reasonably close to the edge of proposed shoulder. If the Contractor makes a reasonable attempt to minimize damage to the PMRAP the Department will assume responsibility to repair damage to the PMRAP.

**Question:** How will the repairs be made assuming that the Pugmill has been mobilized to another project?

**Response:** Necessary repairs to the PMRAP surface occurring from the extension of the pipe at Station 127+65 left will be made with HMA shim if the Pugmill has mobilized to another project.

**Question:** Can millings be utilized in cross trenches for maintenance of traffic, allowing multiple pipes to be paved in at a later date in one mobilization of the paving crew?

**Response:** See above changes to SPECIAL PROVISION – SECTION 105 - PROSECUTION AND PROGRESS - (LIMITATIONS OF OPERATIONS). Millings will be allowed daily but permanent pavement shall be placed in the cross trenches weekly.

Consider these changes and information prior to submitting your bid on **March 17, 2021**.

Sincerely,



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

3/11/2021

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 5

Proposal ID: 022581.10

Project(s): 022581.10, 022581.55

SECTION: 1 HIGHWAY

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.20201 REMOVING PAVEMENT SURFACE (HOURLY)	25.000 HR	_____	 _____	_____	 _____
0020	202.203 PAVEMENT BUTT JOINTS	500.000 SY	_____	 _____	_____	 _____
0030	203.20 COMMON EXCAVATION	930.000 CY	_____	 _____	_____	 _____
0040	203.241 BORROW - STATE SOURCE	4,500.000 CY	_____	 _____	_____	 _____
0050	203.25 GRANULAR BORROW	50.000 CY	_____	 _____	_____	 _____
0060	204.21 ADD SHOULDER AGGREGATE - TRUCK MEASURE	5,220.000 CY	_____	 _____	_____	 _____
0070	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	930.000 CY	_____	 _____	_____	 _____
0080	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	374.000 T	_____	 _____	_____	 _____
0090	403.2104 HOT MIX ASPHALT 9.5 MM - THIN LIFT SURFACE TREATMENT	2,630.000 T	_____	 _____	_____	 _____
0100	403.211 HOT MIX ASPHALT (SHIMMING)	2,620.000 T	_____	 _____	_____	 _____
0110	403.213 HOT MIX ASPHALT 12.5 MM BASE	60.000 T	_____	 _____	_____	 _____
0120	409.15 BITUMINOUS TACK COAT - APPLIED	11,010.000 G	_____	 _____	_____	 _____

3/11/2021

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 5

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Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	411.101 UNTREATED AGGREGATE SURFACE COURSE - TRUCK MEASURE - DEPARTMENT SUPPLIED MATERIALS	400.000 CY	_____	 _____	_____	 _____
0140	511.07 COFFERDAM: STA. 127+65 DOWNSTREAM	LUMP SUM	_____	 LUMP SUM	_____	 _____
0150	511.07 COFFERDAM: STA. 127+65 UPSTREAM	LUMP SUM	_____	 LUMP SUM	_____	 _____
0160	604.246 CATCH BASIN TYPE F5	1.000 EA	_____	 _____	_____	 _____
0170	605.09 6 INCH UNDERDRAIN TYPE B	250.000 LF	_____	 _____	_____	 _____
0180	606.356 UNDERDRAIN DELINEATOR POST	7.000 EA	_____	 _____	_____	 _____
0190	609.31 CURB TYPE 3	100.000 LF	_____	 _____	_____	 _____
0200	610.08 PLAIN RIPRAP	150.000 CY	_____	 _____	_____	 _____
0210	610.18 STONE DITCH PROTECTION	445.000 CY	_____	 _____	_____	 _____
0220	613.319 EROSION CONTROL BLANKET	3,000.000 SY	_____	 _____	_____	 _____
0230	615.07 LOAM	180.000 CY	_____	 _____	_____	 _____
0240	615.10 DIRTY BORROW	1,510.000 CY	_____	 _____	_____	 _____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0250	618.13 SEEDING METHOD NUMBER 1	10.000 UN	_____	_____	_____	_____
0260	618.14 SEEDING METHOD NUMBER 2	490.000 UN	_____	_____	_____	_____
0270	619.12 MULCH	500.000 UN	_____	_____	_____	_____
0280	620.58 EROSION CONTROL GEOTEXTILE	1,700.000 SY	_____	_____	_____	_____
0290	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	61,299.000 LF	_____	_____	_____	_____
0300	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	92.000 SF	_____	_____	_____	_____
0310	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	122,598.000 LF	_____	_____	_____	_____
0320	629.05 HAND LABOR, STRAIGHT TIME	100.000 HR	_____	_____	_____	_____
0330	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	300.000 HR	_____	_____	_____	_____
0340	631.14 GRADER (INCLUDING OPERATOR)	40.000 HR	_____	_____	_____	_____
0350	631.161 PAVING CREW	100.000 HR	_____	_____	_____	_____
0360	631.162 PAVING CREW (OVERTIME)	60.000 HR	_____	_____	_____	_____

## Maine Department of Transportation

## Proposal Schedule of Items

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SECTION: 1 HIGHWAY

Alt Set ID:

Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0370	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	600.000 HR	_____	 _____	_____	 _____
0380	631.179 PUGMILL TRUCKING	17,325.000 T	_____	 _____	_____	 _____
0390	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR	_____	 _____	_____	 _____
0400	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	40.000 HR	_____	 _____	_____	 _____
0410	631.22 FRONT END LOADER (INCLUDING OPERATOR)	10.000 HR	_____	 _____	_____	 _____
0420	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0430	652.33 DRUM	60.000 EA	_____	 _____	_____	 _____
0440	652.34 CONE	220.000 EA	_____	 _____	_____	 _____
0450	652.35 CONSTRUCTION SIGNS	630.000 SF	_____	 _____	_____	 _____
0460	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	107.000 CD	_____	 _____	_____	 _____
0470	652.38 FLAGGER	1,478.000 HR	_____	 _____	_____	 _____
0480	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	_____	 LUMP SUM	_____	 _____



**CONSTRUCTION NOTES**

**202.20201 REMOVING PAVEMENT SURFACE (HOURLY)**

Item to be used to profile mill approximately 2" from the centerline of the road to the appropriate cross slope as shown on the Cross Slope Sheet.

**202.203 PAVEMENT BUTT JOINTS**

<b>Station</b>	<b>Station</b>	<b>Side</b>
10+00	10+20	LT & RT
214+13	214+33	LT & RT

5 Side Roads and 51 Paved Drives  
Note: As directed by the Resident.

**203.20 COMMON EXCAVATION**

<b>Station</b>	<b>Station</b>	<b>Side</b>
10+00	20+00	LT & RT

Item is to be used for excavating shoulder reconstruction areas and to be used as directed by the Resident.

**203.241 BORROW – STATE SOURCE**

The Department will supply all material from the MaineDOT Winterport Pit located at 24 Twining Road, Winterport. The contractor will be responsible for loading, trucking, placement, and compaction of the material as outlined in the 203 special provisions.

Item is to be used to build up the inslope areas to a 3:1 slope or flatter. Useable excavation taken off the project needs to be used if available before borrow quantity is utilized. Useable excavation will be placed using contract hourly items. Borrow to be placed as directed by Resident and paid by truck measure (CY).

**203.25 GRANULAR BORROW**

Item to be used in culvert remove/reset or replacement areas where over excavation is necessary or existing excavated material is not suitable to use for backfill. To be used as directed by Resident.

**CONSTRUCTION NOTES**

**204.21 ADD SHOULDER AGGREGATE – TRUCK MEASURE**

<b>Station</b>	<b>Station</b>	<b>Side</b>	<b>Width</b>
20+00	99+50	LT & RT	3'
101+50	188+75	LT	3'
101+50	105+50	RT	3'
107+00	163+00	RT	3'
163+00	163+37	RT	1.5'
163+37	188+75	RT	3'
188+75	190+25	LT & RT	1.5'
190+25	214+13	LT & RT	3'

Item will be used to construct shoulders that are not in the shoulder reconstruction areas and as otherwise directed by the Resident.

**304.10 AGGREGATE SUBBASE COURSE GRAVEL**

<b>Station</b>	<b>Station</b>	<b>Side</b>
10+00	20+00	LT & RT
105+50	107+00	RT

Item is to be used for shoulder reconstruction areas, above subgrade in underdrain areas, and as directed by Resident.

**411.101–UNTREATED AGGREGATE SURFACE COURSE TRUCK MEASURE  
 DEPARTMENT SUPPLIED MATERIALS**

Department supplied material used to back up drives, entrances or as directed by the Resident. The Contractor will provide all loading, trucking, placement, and compaction as outlined in the 411 Special Provisions.

**511.07 COFFERDAM**

<b>Station</b>	<b>Side</b>
127+65	LT & RT

Item is to be used for the upstream and downstream ends of the instream pipe located at this station.

**CONSTRUCTION NOTES**

**604.246 CATCH BASIN TYPE F5**

<b>Station</b>	<b>Side</b>
57+15	RT

Item is to be used for drainage between driveways in this area. A Department supplied 15" Option I pipe will need to inlet and outlet the structure. All work and materials needed to connect the culvert pipe to the structure will be incidental to the price of the structure. Exact location to be determined in the field by the Resident.

**605.09 6" UNDERDRAIN TYPE B**

Item will also be used from approximate station 105+50 to 107+00 RT to replace a full depth ditch in front of a residence. Reference Underdrain Typical for details. Item may also be used as needed to create "weeper" areas in the shoulder reconstruction section that will allow water to drain into the ditch. Underdrain used in these areas should be installed horizontally at an angle, less than perpendicular but greater than parallel, to the paved travelway so as to aid in the drainage of water. Exact locations for use of this item are to be determined in the field by the Resident.

**606.356 UNDERDRAIN DELINEATOR POST**

One marker will be used at the end of each curb section as well as each underdrain outlet.

**609.31 CURB TYPE 3**

<b>Station</b>	<b>Station</b>	<b>Side</b>
105+90	106+90	RT

Exact location to be determined in the field by the Resident.

**610.08 PLAIN RIPRAP**

Item is to be used at cross culverts, underdrain outlets, and as determined in the field by the Resident. Each underdrain outlet, unless in a stone ditch area, will need a 3'x 3' rip rap pad.

**610.18 STONE DITCH PROTECTION**

<b>Station</b>	<b>Station</b>	<b>Side</b>
10+00	20+00	LT & RT

Exact locations to be determined in the field by the Resident.

**CONSTRUCTION NOTES**

**615.07 LOAM**

Item is to be used on lawn areas at a nominal depth of 4 inches. Exact locations to be determined in the field by the Resident.

**615.10 DIRTY BORROW**

Item is to be used for disturbed areas on the project that are not considered a lawn area, as well as to back up the edge of shoulders. Placed at a nominal depth of 2 inches. Exact locations and uses to be determined in the field by the Resident.

When full width from centerline is less than 14 feet the Contractor will start backing up the PMRAP within 2 days after placement if there is a 3 inch or more drop off at the edge of the PMRAP. If less than 3 inches backup within 15 days. When full width from centerline is greater than 14 feet the Contractor will start backing up the PMRAP within 14 days after placement if there is a 3 inch or more drop off at the edge of the PMRAP. If less than 3 inches backup within 30 days. The contractor shall place Item 204.21 – Add Shoulder Aggregate (Truck Measure) to back up the PMRAP prior to placing the final lift of PMRAP.

**627.733 - 4 INCH WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE**

Final striping will not commence until 10 days have elapsed from the completion of surface pavement and must be completed within 20 days of the completion of surface pavement. Unless otherwise directed, failure to comply will result in a Traffic Control Violation.

Once construction is complete, Maintenance of Traffic Control Devices (652.36) will not be paid while waiting to final stripe.

Once construction is complete, Liquidated Damages will not be charged while waiting to final stripe.

**627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING**

<b>Station</b>	<b>Side</b>	<b>Details</b>
153+19	RT	STOP
153+21	RT	Stop Bar
153+87	LT	Stop Bar
153+89	LT	STOP

## CONSTRUCTION NOTES

### **627.78 TEMPORARY 4" PAINT PAVEMENT MARK LINE WHITE OR YELLOW**

- Temporary center lines shall be painted on all matched pavement within one week.
- Temporary edge lines shall be painted on all pavement layers within four weeks.
- Multilane sections, truck lanes and milled surfaces must be striped daily on all matched pavement layers.
- TOMs must be used on all pavement layers until temporary paint is applied.
- TOMs will be removed before final striping.
- TOM removal will be addressed in the Traffic Control Plan

### **629.05, 631 ITEMS**

Items shall be used to replace cross culverts and remove, reset, or replace driveway culverts, as directed. Items shall also be used to ditch, inslope, and remove extra existing material from shoulder areas.

The Department will be supplying the culverts and banding components needed on the project. This pipe is located at 908 Hampden Road, Carmel. The Contractor will be responsible for retrieving and loading the pipe from the storage area and transporting to the project when needed, payment will be made under the appropriate equipment rental items.

Compaction of the culvert trenches will be paid for by the hour for a laborer to use the required equipment (roller, plate compactor, pogo, etc.) and done according to plans and specifications, but payment for the compaction equipment itself will be considered incidental.

Any necessary bypass pumping required to replace culverts will be considered incidental to Item 656.75 Temporary Soil and Water Pollution Control.

Any necessary clearing of brush at pipe ends will be paid with appropriate equipment rental items.

Cutting of existing or new culverts and completing connection between pipes will be paid under Item 629.05 Hand Labor

Any excavation, furnishing gravel or granular borrow in order to maintain traffic during culvert installation will be paid with appropriate equipment rental and gravel or granular borrow items.

Saw cutting the existing pavement will be considered incidental to the 403 Items.

**CONSTRUCTION NOTES**

**629.05, 631 ITEMS**

**Cross Culvert Locations  
 (Full Replacements)**

<b>Station</b>	<b>Replacement Diameter</b>	<b>Length</b>	<b>Approximate Flow Line Depth</b>
17+59	18"	51'	4'
22+13	18"	52'	4'
24+86	18"	46'	4'
49+87	30"	60'	7'
85+20	18"	62'	7'
166+26	18"	52'	4'
201+03	18"	45'	4'

Note: MDOT supplied replacement pipe material to be used is Poly Coated Corrugated Metal Pipe.

**Cross Culvert Locations  
 (Extensions)**

<b>Station</b>	<b>Side</b>	<b>Diameter</b>	<b>Existing Pipe Material</b>	<b>Distance to End of Pipe from Centerline</b>	<b>Approximate Flow Line Depth</b>
32+97	LT	18"	HDPE	22'	5'
124+26	LT	18"	CMP	24'	4'
124+26	RT	18"	CMP	26'	5'
127+65	LT	24"	CMP	21.5'	5'
163+02	LT	18"	HDPE	25.5'	5'
164+53	LT	15"	HDPE	28'	4'
164+53	RT	15"	HDPE	24'	5'

Note: Existing HDPE will be extended with MDOT supplied HDPE, and existing CMP will be extended with MDOT supplied PCCMP.

**Approximate Number of Driveway Pipes to Add/Replace**  
 50

**Approximate Number of Driveway Pipes to Remove/Reset**  
 60

Note: Driveway pipe quantity is approximate and will be determined in the field by the Resident.

**CONSTRUCTION NOTES**

**652.35 CONSTRUCTION SIGNS**

Two **Road Work Next 4 Miles** signs are required for this project.

**GENERAL NOTES**

1. Pavement thicknesses shown on the typical sections are intended to be nominal.
2. All joints between existing and proposed hot bituminous pavement shall be butted. Payment shall be made under Standard Specifications Item 202.203, Pavement Butt Joints.
3. Construct butt joints at all paved drives and entrances. Butt joints shall have a minimum width of 18 inches or as directed by the Resident.
4. Where deemed necessary by the Resident, unsuitable excess material shall be removed from the edges of shoulders and placed in designated areas or disposed of. Payment will be made under the appropriate Contract items.
5. All inslope and ditches in cut areas shall be graded as shown on the typicals or flatter, or as directed by the Resident.
6. The Contractor shall plan and conduct work so that upon completion of the project there is no drop-off from the edge of the shoulder pavement.
7. The Contractor shall place suitable existing or other material acceptable to the Resident on all pavement edges to allow a drop off no greater than the surface pavement thickness. The material shall be graded to match the existing inslope or as directed by the Resident before surface is placed. The Contractor will be paid under appropriate equipment rental items. Borrow is not authorized until all acceptable waste material has been utilized. Seed and Mulch will be paid for at the contract unit price.
8. All waste material not used on the project shall be disposed of off the project in acceptable waste areas reviewed by the Resident. Grading, seeding and mulching of waste areas shall be considered incidental.
9. Required ditch protection shown on the Plans or in the Construction Notes is for estimating purposes only. The actual type and location of ditch protection may be altered by the Resident.
10. Granular borrow used to backfill muck excavation or in low wet areas to 1 foot above water level or old ground shall meet requirements for granular borrow material for underwater backfill as specified in Standard Specifications Item 703.19, Granular Borrow.
11. Existing inslopes in proposed fill areas shall be benched by excavating steps of sufficient width to permit placing and compacting the fill material along with the material removed.

**GENERAL NOTES**

12. A 3-foot paved lip shall be placed at all unpaved entrances unless otherwise noted in the Plans or directed by the Resident.
13. Any necessary cleaning of existing pavement prior to paving (or milling) shall be incidental to the related paving (or milling) items. This includes killing and removal of all vegetative matter.
14. All existing paved shoulders and widenings shall be resurfaced as directed by the Resident.
15. When superelevation exceeds the slope of the low-side shoulder, the low-side shoulder will have same slope as the travelway.
16. Cross slopes for normal and superelevated sections will be straight unless otherwise directed by the Department.
17. The algebraic difference between travelway and shoulder cross slope shall not exceed 8 percent.
18. Prior to surface paving, existing culverts to remain shall be cleaned as directed by the Resident. Payment will be made under Standard Specifications Item 631.32, Culvert Cleaner (including operator).
19. Existing culverts and catch basins will be cleaned as directed by the Resident under the appropriate pay items.
20. No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.
21. Inlets and outlets of all culverts shall be rippapped unless otherwise noted on the Plans or directed by the Resident.
22. Plastic end caps shall be placed on the inlet end of all dead-end 6-inch Type B underdrain and shall be considered incidental to this item.
23. Any necessary cutting of existing pipes to fit in areas of proposed catch basins will not be paid for separately and will be considered incidental to Standard Specifications Section 604, Manholes, Inlets and Catch Basins.
24. Any necessary cutting of existing catch basins to allow for proposed pipe connections will not be paid for separately and will be considered incidental to Standard Specifications Section 603, Pipe Culverts and Storm Drains or Standard Specifications Section 605, Underdrains.

**GENERAL NOTES**

25. As directed by the Resident, all existing underdrain outlets shall be located, cleaned out and ditched as required or replaced as necessary. Payment will be made under appropriate Contract items.
26. All underdrain not shown on the cross sections will have a flow line of 5.5 feet below finish grade directly above the underdrain and the underdrain sand backfill will be placed to an elevation equal to the bottom of the new gravel layer. All underdrain shown on the cross sections will have the flow line scaled from the cross sections. All flow line elevations are subject to approval by the Resident.
27. A 3-foot by 3-foot square riprap pad shall be constructed at each underdrain outlet.
28. Backing up bituminous or concrete slipform curb is incidental to the curb items. In areas where new bituminous or concrete slipform curb is designated to replace existing, the removal of the old bituminous or concrete slipform curb shall be incidental to the new curb. If called for on the Plans or directed by the Resident, loam or dirty borrow will be paid for separately.
29. Loam has been estimated for disturbed lawn areas. Actual placement of the loam shall be as noted on the Plans or designated by the Resident.
30. Dirty borrow has been estimated for all disturbed slope areas other than lawn areas. Actual placement of the dirty borrow shall be as noted on the Plans or designated by the Resident.
31. Unless otherwise noted Seeding Method No. 1 shall be utilized on all lawns and developed areas; Seeding Method No. 2 shall be utilized on all other areas.
32. Loam shall be placed to a nominal depth of 4 inches in lawn areas and 2 inches in all other areas unless otherwise noted or directed.
33. Dirty borrow shall be placed to a nominal depth of 2 inches unless otherwise noted or directed.
34. The Contractor will be responsible for maintaining all existing mailboxes to ensure that the mail will be deliverable. Payment for this work will be considered incidental to the contract
35. The Contractor will be responsible for maintaining all existing operational business directional signs (OBDS) to ensure that they are visible to the traveling public. Payment for this work will be considered incidental to the contract.

**GENERAL NOTES**

36. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs shall be at the Contractor's expense.
37. Areas on the project requiring fill will come from suitable sites such as excavation, ditch and inslope or equipment rental areas.
38. No separate payment for superintendent or foreman will be made for the supervision of equipment and layout of work being paid for under the equipment rental items.
39. "Undetermined locations" shall be determined by the Resident.
40. Stations referenced are approximate.
41. The Contractor will place appropriately-marked stakes at the following locations on the project: striping pattern changes, cross-slope changes, and every 500 feet for stationing. The Contractor will paint every full station (100 feet) on the existing roadway and will transfer the painted stationing through all intermediate lifts (not surface). Appropriately-sized striping pattern changes will be painted on surface. Stationing control must be placed before work can commence. Cross-slope and striping change controls must be placed before paving can commence.

**SPECIAL PROVISION**  
**SECTION 105**  
**GENERAL SCOPE OF WORK**  
**(LIMITATIONS OF OPERATIONS)**

1. All hourly pavement surface removal, shoulder work, 6” underdrain type b, cross pipe replacements and extensions with the exception of the cross pipe extension at Station 127+65 left shall be completed prior to the placement of PM Rap.
2. Only one paving operation is allowed at one time, excluding hand placed paving, unless otherwise approved by Resident.
3. The Contractor shall plan operations so that the Resident will have sufficient advance notification to provide the necessary inspection and testing. Sufficient notification is considered 48 hours.
4. The Contractor will not be allowed to work on Saturdays placing PMRAP. The Contractor may work Saturdays placing HMA. Notification of Saturday work must be made 48 hours in advance to the Department.
5. A 24 hour notice is required for any changes in work schedule.
6. Daily operating hours for PMRAP placement will be determined by the Department. A typical full production day can range from 10 to 16 hours. See the Special Provision 631 section 631.07 for explanation of overtime pay.
7. Hourly payment for Item 631.161 (Paving Crew) shall begin 15 minutes prior to commencement of the placement (placement time will be determined the previous day). No payment will be made if the placement does not commence due to inclement weather unless the Department authorizes the Contractor to stand by.
8. PMRAP shall be continuous until completed unless otherwise agreed upon by the Department.
9. The Department and the Contractor shall hold a coordination meeting a minimum of 7 calendar days prior to the beginning of work. Tentative date for the pugmill to be on site and ready to go is **May 10, 2021**.
10. The Contractor’s Traffic Control Plan shall address the construction practices and schedules that will be implemented to minimize vehicles, pedestrians, and bicycle disruptions.

11. The Contractor will be allowed place millings daily in the cross trenches for maintenance of traffic. Placement, compacting, grading, maintaining and removal of the millings prior to paving will be considered incidental to the Contract. The Contractor shall pave cross trenches with HMA base pavement weekly.