



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

May 7, 2024
Subject: Perkins Bridge Replacement &
Lake Bridge Replacement
State WIN: 027098.00
Location: **Levant**
Amendment No. 1

Dear Sir/Ms.:

Make the following changes to the bid documents:

In the Plan Set

Remove Sheet 2 titled ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES dated 3/20/2024 and **Replace** with the attached ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES dated 5/6/2024

Remove Sheet 4 titled PROFILE dated 3/20/2024 and **Replace** with the attached sheet 4 PROFILE dated 5/6/2024

The following questions have been received:

Question: Please confirm that excavation associated with the removal of the 2 existing pipes located at station 15+50 will be paid for as common excavation as stated in note 26 on page 2.

Response: Yes, the excavation associated with the removal of the pipes located at 15+50 will be paid for as common excavation as detailed on the revised Sheet 4 of 30. Note 26 on Sheet 2 of 30 has been revised.

Question: Please provide material requirements for embankment construction associated with void left after removal of existing pipes at station 15+50.

Response: The new 7'0" diameter pipe will be backfilled with granular borrow to the limits shown on revised Sheet 4 of 30.

Question: Please provide method of payment for embankment construction associated with void left after removal of existing pipes at station 15+50.

Response: Please see revised plans for limits of granular borrow. Suitable material taken from excavation elsewhere on the project shall be used for embankment construction outside of areas

designated in the Contract Documents to be constructed with granular borrow. No additional payment shall be made.

Question: Contract Documents do not provide any details with regard to the pre purchased structural steel. We need this information to determine girder weight, girder stability, etc. for steel erection estimating. Could this information please be provided?

Response: Shop drawings for the pre-purchased structural steel have been uploaded to the project bid website.

Consider these changes and information prior to submitting your bid on **May 8, 2024**.

Sincerely,



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

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	4	EA
201.24	REMOVING STUMP	4	EA
202.202	REMOVING PAVEMENT SURFACE	120	SY
203.20	COMMON EXCAVATION	3,400	CY
203.25	GRANULAR BORROW	550	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	650	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	1,300	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	183	T
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS)	4	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	290	T
409.15	BITUMINOUS TACK COAT - APPLIED	69	G
501.231	DYNAMIC LOADING TEST	2	EA
501.251	PILE CASING	5	EA
501.50	STEEL H-BEAM PILES 89 LBS/FT. DELIVERED	565	LF
501.501	STEEL H-BEAM PILES 89 LBS/FT. IN PLACE	505	LF
501.90	PILE TIPS	10	EA
501.91	PILE SPLICES	10	EA
501.92	PILE DRIVING EQUIPMENT MOBILIZATION	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (100 CY)	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES (110 CY)	1	LS
502.291	SAW CUT GROOVING (2,350 SF)	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS (20 CY)	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS (8 CY)	1	LS
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	16,500	LB
503.13	REINFORCING STEEL, PLACING	16,500	LB
503.19	LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	18,600	LB
503.20	LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	18,600	LB
504.71	STRUCTURAL STEEL ERECTION - STATE SUPPLIED (73,000 LBS)	1	LS
505.08	SHEAR CONNECTORS (712 EA)	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR (174 LF)	1	LS
507.0822	STEEL APPROACH RAILING, 3-BAR	4	EA
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (400 SY)	1	LS
526.301	PORTABLE CONCRETE BARRIER TYPE I (60 LF)	1	LS
530.30	GFRP, REINFORCEMENT BARS, FAB & DEL	18,510	LF
530.31	GFRP, REINFORCEMENT BARS, PLACING	18,510	LF
603.17	18 INCH CULVERT PIPE OPTION I	78	LF
603.289	84 INCH CULVERT PIPE OPTION III	72	LF
606.1301	3" W-BM GR, MID-WAY SPLICE-SGL FACED	719	LF
606.1303	3" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	50	LF
606.1305	3" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	2	EA
606.1721	BRIDGE TRANSITION - TYPE I	4	EA
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
610.08	PLAIN RIPRAP	500	CY
610.18	STONE DITCH PROTECTION	30	CY
610.213	VOID FILLED RIPRAP	350	CY
613.319	EROSION CONTROL BLANKET	230	SY
615.07	LOAM	97	CY
618.14	SEEDING METHOD NUMBER 2	16	UN
619.12	MULCH	16	UN
619.14	EROSION CONTROL MIX	195	CY
620.58	EROSION CONTROL GEOTEXTILE	1,250	SY
620.66	DRAINAGE GEOCOMPOSITE	84	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,175	LF
629.05	HAND LABOR, STRAIGHT TIME	100	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.14	GRADER (INCLUDING OPERATOR)	10	HR
631.15	ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	25	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	500	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	100	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
834.322	DRY HYDRANT - INSTALL ONLY	1	LS

GENERAL CONSTRUCTION NOTES

1. For easements, construction limits, and right of way lines, refer to the Right of Way Map.

2. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.

3. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

4. Existing signs within the Project limits shall be removed and reset as directed by the Resident. Payment for removal and reinstallation of existing signs will be considered incidental to the Contract. No separate payment will be made.

5. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.

6. In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.

7. All embankment material, except as otherwise shown, placed below EL. 123.0 shall be Granular Borrow meeting the requirements of Standard Specifications Subsection 703.19, Granular Borrow, for Material for Underwater Backfill, with the additional requirement that the maximum particle size shall be limited to 4 inches.

8. Construct the riprap shelf at each abutment at EL. 123.0.

9. Stones which cannot be rolled or compacted into the surface of the shoulder shall be removed by hand raking. Payment for hand raking will be considered incidental to Pay Item 304.10, Aggregate Subbase Course - Gravel.

10. Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.

11. *Erosion Control Mix* may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Pay Item 619.14, *Erosion Control Mix*.

12. Place a 24 inch wide strip of Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.

13. A MASH compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.

14. Where it is apparent that runoff will cause continual erosion, Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed. Payment will be made under the appropriate Contract items.

15. *Protective Coating for Concrete Surfaces shall be applied to the following areas:*

*All exposed surfaces of concrete curbs,
Fascias down to the drip notch,
Concrete wearing surfaces,
Top of abutment backwalls and wingwalls, and
To one foot below the ground on vertical walls against earth.*

16. Project information referred to below may be accessed at the following
MaineDOT web address: <http://www.maine.gov/mdot/contractors/>

17. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.

18. Reports on hydrology and/or hydraulics applicable to the bridge site may be accessed at the MaineDOT web address. The reports are based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.

19. The project geotechnical report titled: *Geotechnical Design Report for the Replacement of Perkins Bridge and Lake Bridge, Levant, Maine, Soils Report 2024-04*, dated February 6, 2024, may be accessed at the MaineDOT web address.

20. Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.

21. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:

a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.

b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.

c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation and Time.

22. Any peat or organics encountered at the subgrade of the toes of reconstructed side slopes or abutment foreslopes shall be excavated to a nominal depth of 1 foot and replaced with granular borrow. Payment will be made under the appropriate Contract Items.

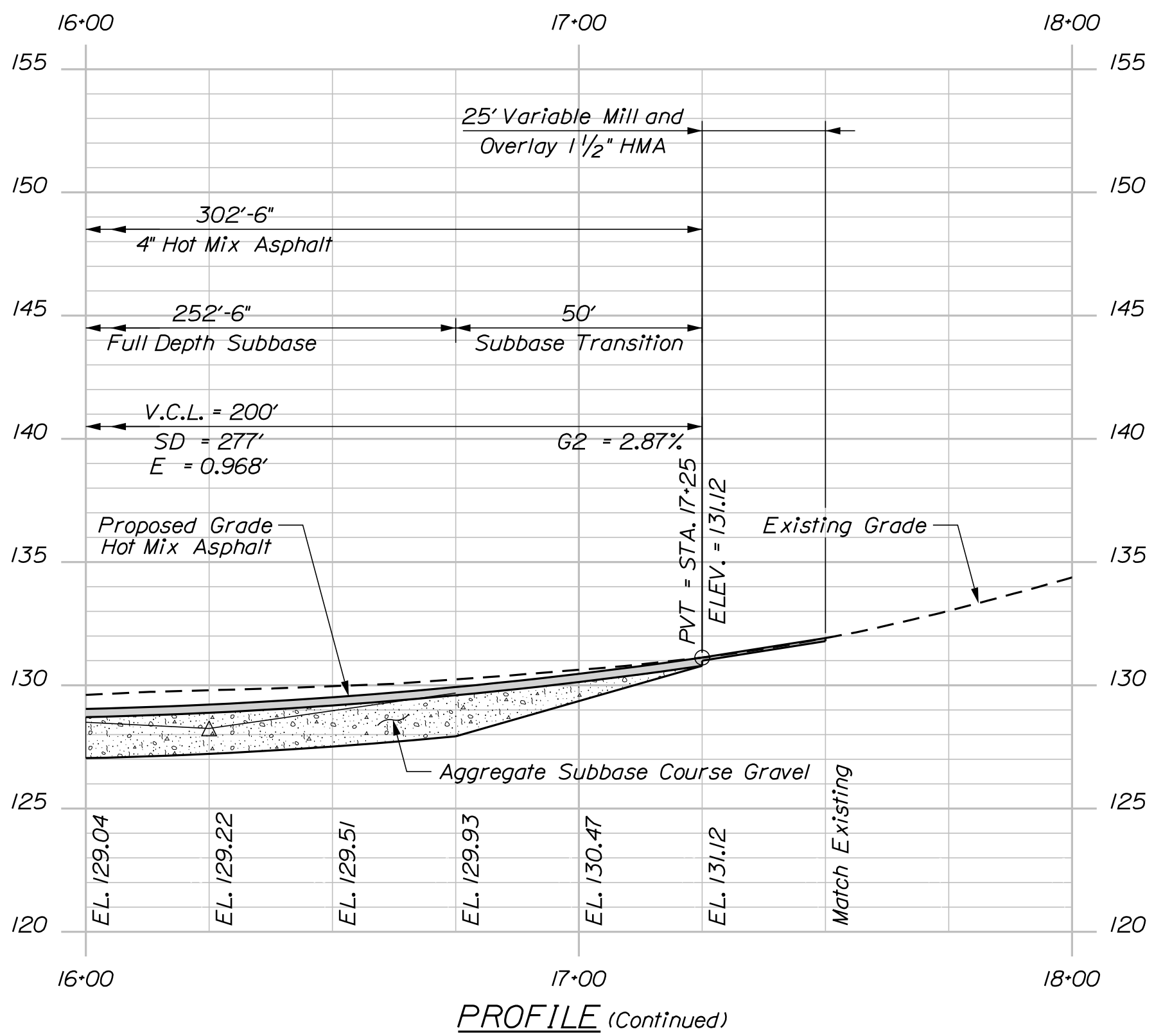
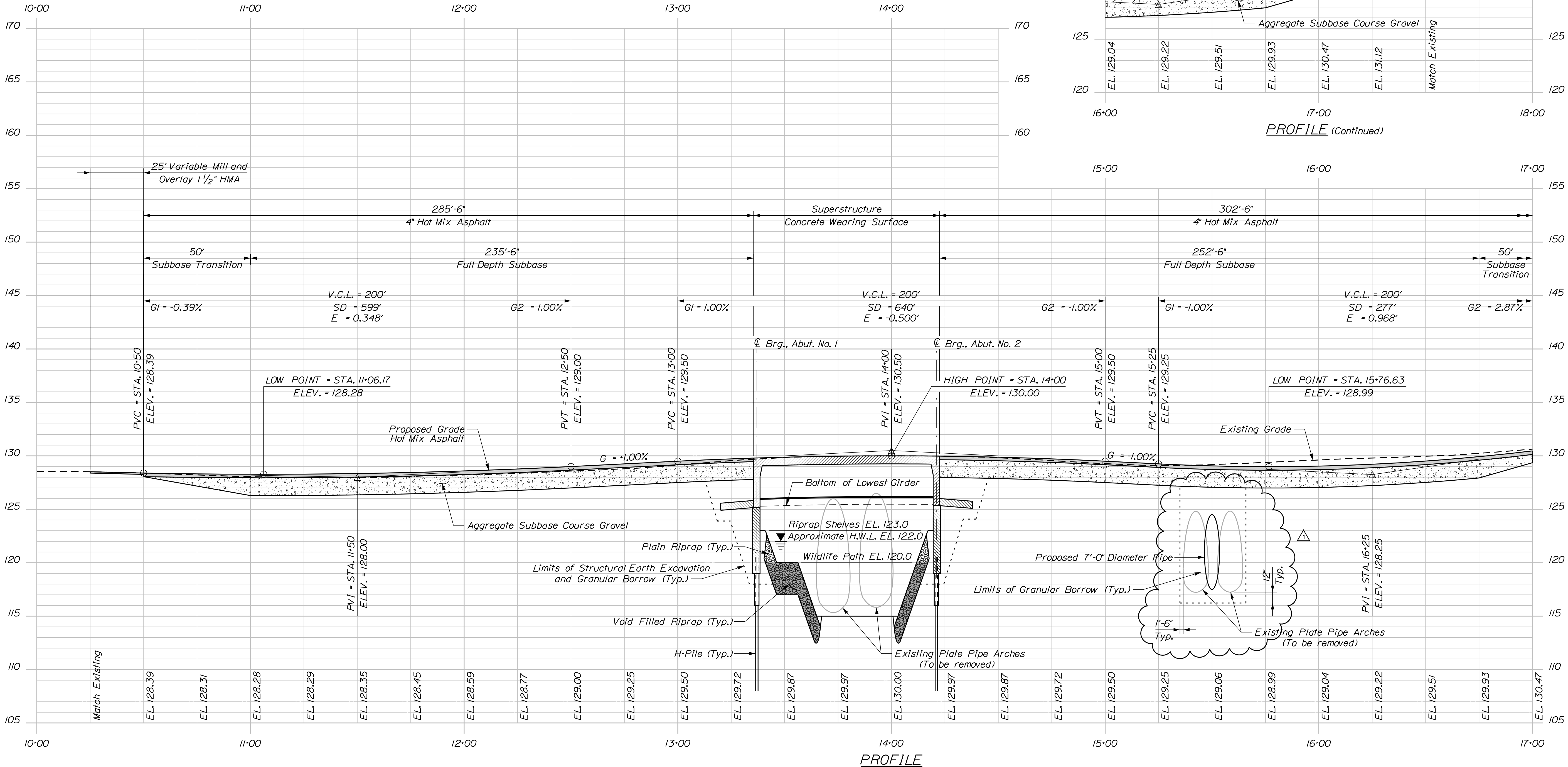
23. Lake Road is currently closed and blocked off at the project site with Portable Concrete Barrier owned by the Department. Upon mobilization to the site, the Contractor shall install their own Portable Concrete Barrier and coordinate with the Department for removal of Department owned barrier.

24. Prior to any approved work stoppage or shutdown, the Contractor shall install a positive barrier at each end of the project limits to prevent traffic from entering the project site.

25. Actual site conditions may vary from what is shown in the Plans. The roadway material above the existing pipes at Perkins Bridge is eroded and the roadway is not passable.

26. Removal of the existing pipes and any excavation required outside of the Limits of Structural Earth Excavation and Granular Borrow will be the amount actually excavated, provided the maximum allowable horizontal dimensions do not exceed those bounded by vertical surfaces 18 inches outside the base or extreme limits of the structure and shall be paid for under Common Excavation.

OF 30		SHEET NUMBER		PERKINS AND LAKE BRIDGES BLACK STREAM LEVANT		PENOBSCOT COUNTY		STATE OF MAINE			
								DEPARTMENT OF TRANSPORTATION			
								2709800			
								WIN			
								BRIDGE NOS. 6133 & 3359 027098.00			
2		ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES		PROJ. MANAGER		J. STETSON		BY		DATE	
				DESIGN-DETAILED		B. BARTLETT		D. SHAW		MAR. 2024	
				CHECKED-REVIEWED		R. WAYER				MAR. 2024	
				DESIGN2-DETAILED2		N. PUJAY		T. WHITE		FEB. 2024	
				DESIGN3-DETAILED3		NOTE: 26 REVISED, AND COMMON EXCAVATION QUANTITY REVISED		P.E. NUMBER			
				REVISIONS 1		REVISIONS 2		REVISIONS 3		DATE	
				REVISIONS 4		REVISIONS 5					
				REVISIONS 6		REVISIONS 7					
				REVISIONS 8		REVISIONS 9					
				FIELD CHANGES							



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2709800		WIN		BRIDGE NOS. 6133 & 3359 027098.00	
PERKINS AND LAKE BRIDGES		BLACK STREAM		PENOBSCOT COUNTY		LEVANT		SHEET NUMBER	
PROJ. MANAGER		J. STETSON		BY		DATE		SIGNATURE	
DESIGNED		REVIEWED		N. PIKAY		T. WHITE		FEB 2024	
DESIGNED		REVIEWED		AREA OF EXCAVATION		AROUND EXISTING		PIPES	
REVISIONS		2		REVISIONS		3		MAY 2024	
REVISIONS		3		FIELD CHANGES				DATE	
4		OF 30		PROFILE					