

November 4, 2020

**ADDENDUM 1 – JOB 27**

TO: All prospective bidders on Project NH-5-021(016)000, Job No. 27 scheduled for the November 13, 2020 bid opening.

The following plans revisions shall be made:

Plan Revisions:

**See attached summaries from Kirk Hoff, P.E. dated October 30, 2020 for an explanation.**

This addendum is to be incorporated into the bidder's proposal for this project.



PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER

80: dch

Enclosure

**PLAN ADDENDUM SUMMARY AND APPROVAL**

PROJECT INFORMATION		
<b>Project:</b> NH-5-021(016)000	<b>PCN:</b> 18244	
<b>Location:</b> Jct 85 to N Jct 22 – New England		
<b>Date:</b> October 27, 2020	<b>Lead Designer:</b> Ulteig Engineers, Inc.	
<b>Bid Opening Date:</b> November 13, 2020	<b>JOB#:</b> 27	<b>Addendum#:</b> 1

PLAN SHEET CHANGES		
Section	Sheet	Description
2	1	Added SPs: SSP 7, SSP 9
6	4	Added Plan note 762-200

**APPROVAL**

Should the revisions described above be processed as a plan addendum?

Yes                       No

DocuSigned by:

Kirk Hoff

Kirk J. Hoff, P.E. – Design Engineer

10/30/2020

Date

## TABLE OF CONTENTS

Revised	10/27/2020	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	NH-5-021(016)000	2	1

### PLAN SECTIONS

Section	Page(s)	Description
1	1	Title Sheet
2	1 - 2	Table of Contents
4	1	Scope of Work
6	1 - 4	Notes
6	5	Environmental Notes
8	1 - 3	Quantities
10	1 - 3	Basis of Estimate
11	1 - 4	Data Tables
20	1 - 13	Details
30	1 - 4	Typical Sections
40	1 - 22	Removals
50	1 - 2	Hydraulic Data
51	1 - 9	Allowable Pipe List
60	1 - 57	Plan & Profile
75	1 - 24	Wetland Impacts
76	1 - 24	Temporary Erosion Control
77	1 - 33	Permanent Erosion Control
80	1 - 26	Survey Data
81	1 - 2	Survey Coordinate and Curve Data
100	1 - 17	Work Zone Traffic Control
110	1 - 27	Signing
120	1 - 2	Pavement Marking
130	1 - 4	Guardrail
170	1 - 29	Box Culverts
180	1 - 5	Borrow Pit Clues and Pit Plats
200	1 - 355	Cross Sections

### SPECIAL PROVISIONS

Number	Description
59(20)	Intelligent Compaction (IC) for HMA
60(20)	Flexible Pavement Surface Tolerance
61(20)	Temporary Water Diversion
PSP 10(20)	Permits and Environmental Considerations
SSP 1	Temporary Erosion and Sediment Best Management Practices
SSP 2	Federal Migratory Bird Treaty Act
SSP 4	Longitudinal Joint Density
SSP 7	Bitumen Testing Price Adjustments
SSP 9	HMA Acceptance

Revised 10/27/20

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-5-021(016)000	6	4

**NOTES**

6. Standard D-704-22, layouts K and L: For construction trucks hauling material.
7. Standard D-704-24, layouts R and S: For shoulder work.
8. Standard D-704-26, layouts BB, CC, EE, and GG: For paving operations.
9. Standard D-704-26, layout JJ: For centerline pipe replacement.
10. Standard D-704-27: For mobile operation of pavement marking.
11. Standard D-704-30: For windrow marking of material on roadway.
12. Standard D-704-56: For installation of rumble strips.

When installing layout G from Standard D-704-20, move sign W3-5-48 and the sign assembly containing signs R2-1-48 and R2-1a-24 with the work area as it progresses through the construction zone. Place the R2-1-48 assembly a minimum of 500 feet in advance of flagging signs.

Place flaggers and traffic control devices as shown on Standard D-704-15, layout A at the following intersections when the lane closure spans across them:

1. US 85
2. ND 67
3. ND 22

704-P02 TEMPORARY WIDENING AT CENTERLINE PIPE REMOVAL AND INSTALLATION AND PATCHING AREAS: Provide Traffic Service Aggregate to maintain traffic during construction. Supply aggregate that meets the requirements of Salvaged Base Course. After returning traffic to normal flow, remove Traffic Service Aggregate from temporary roadway widening, salvage it, and use as a substitute for Salvaged Base Course.

Include all costs for material and labor required to supply and place Traffic Service Aggregate, salvage it after no longer in use as a temporary driving surface, and reuse it as Salvaged Base Course, in the unit bid price for "Salvaged Base Course".

The Contractor shall maintain traffic speeds of 55 mph at all centerline pipe removal and installation areas and patching areas.

704-P03 WEIGHT LIMIT: The existing "Weight Limit 40 Tons" signs at 4+83 Rt and 827+42 Lt shall remain in place, or be installed as temporary signs, and left up until the final lift of HMA has been placed.

714-P01 REMOVAL OF CONCRETE: Include the cost of removing the concrete headwalls located at the ends of the pipes at 260+00 and 260+27 in the unit price bid for "Removal of Pipe All Types and Sizes".

714-P02 TEMPORARY PIPES: Include all costs for installing and removing the temporary pipes in the temporary bypasses in the unit bid prices "Pipe Conduit\_IN-Approach" and "Removal of Pipe All Types and Sizes".

752-P01 TEMPORARY FENCE: Temporary fence will be placed prior to removing the existing fence. The Contractor will supply equipment to provide similar fence and gates for the temporary fence that is similar to the surrounding area as approved by the Engineer.

754-P01 STOP SIGNS – REFLECTIVE STRIPS: Install 2 inch wide red reflective strips on the side of the support that faces the same direction as the stop sign. Begin the strip at the bottom of the sign face and stop the strip 2 feet above the sign support base.

Use reflective material that meets the requirements of Section 894.02 E, "Type XI Retroreflective Sheeting".

Install the strips to all new STOP signs at stations:

- Sta 0+64 Lt
- Sta 206+71 Rt
- 830+88 Rt

Include the cost of furnishing and installing retroreflective strips in the contract unit price for "Steel Galvanized Posts – Telescoping Perforated Tube"

762-200 PERMANENT WATER BASED PAVEMENT MARKING: Replace the first paragraph of 762.04 C.2.a "Method of Application" with the following:

Allow new bituminous treatment to cool to a temperature below 125 °F and cure for a period of 72 hours before applying permanent pavement marking.

This document was originally issued and sealed by Stacy Flaten, Registration Number PE-8772, on 10/27/2020 and the original document is stored at the North Dakota Department of Transportation.