



September 24, 2026

ADDENDUM 2 – JOB 23810

TO: All prospective bidders on Project BGR-CVD-IM-1-094(238)172, Job No. 23810 scheduled for the October 9, 2026 bid opening.

This addendum has been issued for the above referenced job. Please see the attached summary from Kirk J. Hoff, P.E. dated September 24, 2026 for an explanation of changes.

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

A handwritten signature in blue ink, appearing to read "P. Murdoff", is located below the text of the addendum.

PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER

80: jwj

Enclosure

PLAN ADDENDUM SUMMARY AND APPROVAL

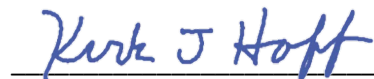
PROJECT INFORMATION		
Date: 09/24/2026	Project: BGR-CVD-IM-1-094(238)172	PCN: 23810
Lead Designer:	Technical Support: Aaron Derman	
Bid Opening Date: 10/09/2026	Job Number: 23810	Addendum Number: 2

PLAN SHEET CHANGES		
Section	Sheet(s)	Description

SPECIAL PROVISION CHANGES		
SP Number	Page(s)	Description
593(25)		Minimum elastic modulus value changed from 60 MPa to 50 MPa.

BID ITEMS CHANGES					
Spec	Code	Description	Unit	Previous Quantity	Revised Quantity

APPROVAL


Kirk J. Hoff, P.E. – Design Engineer

9/24/2026
Date

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

MODIFIED BASE COURSE ACCEPTANCE

PROJECT 1-094(238)172 – PCN 23810

DESCRIPTION

This work consists of a modified salvaged base course acceptance criteria.

CONSTRUCTION REQUIREMENTS

A. General.

Salvaged base course shown in the plans needs to follow the requirements outlined in Section 302 "Aggregate Base and Surface Course" and 709 "Geosynthetics".

B. Acceptance Criteria.

In addition to the requirements outlined in Section 302 and 709, provide salvaged base course that meets the requirements outlined in Table 302-01 below:

Table 302-1	
Test	Requirements
ASTM E2835, "Standard Test Method for Measuring deflections Using a Portable Impulse Plate Load Test Device". Use a Zorn Laboratory Light Weight Deflectometer (LWD) device with a 5 kg drop weight and 150 mm load plate.	Minimum elastic modulus of 50 MPa
ND T 265, "Laboratory Determination of Moisture Content of Soils" or ND D 4643, "Microwave Method of Drying Soils" or AASHTO T 310, "In-Place density and Moisture Content of Soil and Soil-aggregate by Nuclear Methods (Shallow Depth)"	Moisture content of the salvaged base needs to be no less than 3.0 percentage below optimum moisture, and no more than 2.0 percentage points above the optimum moisture. The Materials & Research division will determine the optimum moisture content as specified in ND T 180

- Salvaged base course must meet both the elastic modulus and moisture content requirements at time of base course placement.
- In addition, the salvaged base course must meet the elastic modulus requirement after salvaged base course has been trimmed for the first time and within 72 hours of concrete placement.
 - If the salvaged base course does not meet the elastic modulus requirement after it has been trimmed for the first time, it must be corrected and meet both the modulus and moisture requirement outlined above.

If any of the above tests do not meet the required elastic modulus or moisture content, the area as delineated by the Engineer needs to be corrected and tested again. This process needs to be repeated until the salvaged base meets the minimum acceptance criteria.

ACCEPTANCE SAMPLES AND TESTS

A. Engineer Responsibility.

The Engineer will complete moisture testing and LWD field testing on the salvaged base course as shown in Table 302-2 at the following intervals:

Table 302-2	
Test	Frequency
ASTM E2835, "Standard Test Method for Measuring deflections Using a Portable Impulse Plate Load Test Device"	2 test results per 1000 linear feet of prepared salvaged base course per lane. The definition of a lane includes passing lanes, driving lanes, turning lanes, ramps and any other location identified by the Engineer for testing. First test is required to be at time of placement, and second test is required to be after base course has been trimmed for the first time and within 72 hours of concrete placement.
ND T 265, "Laboratory Determination of Moisture Content of Soils" or ND D 4643, "Microwave Method of Drying Soils" or AASHTO T 310, "In-Place density and Moisture Content of Soil and Soil-aggregate by Nuclear Methods (Shallow Depth)"	1 test result at each LWD test location. The moisture needs to be completed on a sample collected 3 to 8 inches below the LWD test depth. Test is required to be completed at time of base course placement. If the salvaged base course does not meet the elastic modulus requirement after it has been trimmed the for first time, it must be corrected and meet the moisture requirement. If using AASHTO T 310 for determining moisture, complete correlation requirements for moisture content as outlined in Appendix 200-A of the NDDOT Field and Sampling Manual with the following modifications: For validation of results, verify moisture correlation a minimum of once each day when completing LWD tests for the entire project duration with either ND T 265 or ND D 4643.

- The Engineer can complete more than the minimum testing requirements outlined above. Any location that is tested by the Engineer needs to meet the above requirements and if it does not then the area as delineated by the Engineer needs to be corrected and tested again. This process needs to be repeated until the salvaged base meets the minimum acceptance criteria.
- During the beginning of salvaged base stockpiling, the Engineer will obtain one composite aggregate sample as per ND T 2, "Sampling of Aggregate" and submit it to Materials and Research Division.
- The Engineer will submit additional salvaged base aggregate samples to the Materials and Research Division as requested.

B. Materials and Research Division Responsibility.

The Materials and Research division will complete the following testing as outlined in Table 302-3 to obtain the optimum moisture for the salvaged base material:

Table 302-3	
Test	Frequency
ND T 180, "Moisture -Density Relations of Soils"	Minimum of 1 test per project.

- The optimum moisture content obtained from the above test completed by the Materials and Research Division will be used to determine moisture acceptance of the salvaged base material.
- Material and Research Division will determine the optimum moisture content as specified in ND T 180 within 10 calendar days of receiving salvaged base aggregate samples.
- The Materials and Research division may perform additional moisture density tests according to ND T 180.
- Depending on the results of any additional tests, Materials and Research may change the optimum moisture for the salvaged base material, which would change the moisture acceptance range.

INDEPENDENT ASSURANCE (IA) TESTING

A. Engineer Responsibility.

Testing will be performed as directed by the District Materials Coordinator.

B. District Materials Coordinator Responsibility.

The District Materials Coordinator will complete the following tests within 1 linear feet of a location tested by the Engineer at the frequency shown in Table 302-4:

Table 302-4	
Test	Frequency
ASTM 2835, "Standard Test Method for Measuring deflections Using a Portable Impulse Plate Load Test Device"	1 test will be completed during the first half, the approximate midpoint, and the second half of the project. Test locations need to be within 1 linear feet of the test completed by the Engineer.
ND T 265, "Laboratory Determination of Moisture Content of soils" or ND D 4643, "Microwave Method of Drying Soils"	1 test result at each IA LWD test location. The moisture needs to be completed on a sample collected 3 to 8 inches below the LWD test depth.

The Engineer and District Materials Coordinator will compare the test results for IA tolerance as shown in Table 302-5 below:

Table 302-5	
Test	Tolerance
ASTM 2835, "Standard Test Method for Measuring deflections Using a Portable Impulse Plate Load Test Device"	$\pm 10\%$
ND T 265, "Laboratory Determination of Moisture Content of soils" or ND D 4643, "Microwave Method of Drying Soils"	$\pm 2.0\%$

If the IA testing is not within the specified tolerances, the Engineer and District Materials Coordinator will examine equipment used and review testing procedures. This will continue until the differences are resolved.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Include the cost for completing the work as outlined in the contract unit price for the following item:

Pay Item	Pay Unit
Salvaged Base Course	Ton

Such payment is full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified.