



February 25, 2026

**ADDENDUM 1 – JOB 23341**

**TO:** All prospective bidders on Project NH-9-999(477), Job No. 23341 scheduled for the February 27, 2026 bid opening.

This addendum has been issued for the above referenced Job, Please see the attached summary from Jason Thorenson, P.E. dated February 25, 2026 for an explanation of changes.

This addendum is to be incorporated into the bidder's proposal for this project. If there are bid item changes the AASHTOWare Project Bids files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> and load it into the AASHTOWare Project Bids program.

*Jeff Jirana*

PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER

80: jwj

Enclosure

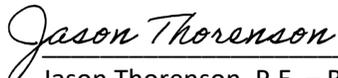
**PLAN ADDENDUM SUMMARY AND APPROVAL**

PROJECT INFORMATION		
Date: 2/25/2026	Project: NH-9-999(477)	PCN: 23341
Lead Designer: Ulteig Engineers, Inc.	Technical Support: Jeff Rensch	
Bid Opening Date: 2/27/2026	Job Number: 23341	Addendum Number: 1

PLAN SHEET CHANGES		
Section	Sheet(s)	Description
8	1	Updated Borrow – Excavation, Riprap Grade II, and Geosynthetic Material Type RR to include amounts from structure #281-016.454
170	9	Updated Borrow - Excavation, and added quantities for Riprap Grade II, and Geosynthetic Material Type RR
170	10	Added note 256 for RIPRAP GRADE II
170	13	Updated borrow depth

BID ITEMS CHANGES					
Spec	Code	Description	Unit	Previous Quantity	Revised Quantity
203	0140	BORROW – EXCAVATION	CY	80	104
256	0200	RIPRAP GRADE II	CY	293	368
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	267	379

**APPROVAL**

  
 \_\_\_\_\_  
 Jason Thorenson, P.E. – Bridge Engineer

2/25/26  
 Date

BID ITEMS

Project: NH-9-999(477) (PCN-23341)

**Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.**

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
001	103	0100	CONTRACT BOND	L SUM	1.				
002	202	0101	REMOVAL OF CONCRETE	EA	1.				
003	203	0119	TOPSOIL-IMPORTED	CY	34.				
004	203	0140	BORROW-EXCAVATION	CY	104.				
005	210	0210	FOUNDATION FILL	CY	185.				
006	256	0200	RIPRAP GRADE II	CY	368.				
007	602	1131	CLASS AE-3 CONCRETE-BOX CULVERT	CY	22.				
008	612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	LBS	3,475.				
009	702	0100	MOBILIZATION	L SUM	1.				
010	704	1000	TRAFFIC CONTROL SIGNS	UNIT	1,016.				
011	704	1038	ATTENUATION DEVICE-TYPE B-40	EA	2.				
012	704	1060	DELINEATOR DRUMS	EA	88.				
013	704	1067	TUBULAR MARKERS	EA	48.				
014	704	3511	STATE FURNISHED MEDIAN BARRIER	LF	1,038.				
015	709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	379.				
016	714	9900	INSTALL CONCRETE PIPE TIES	SET	122.				



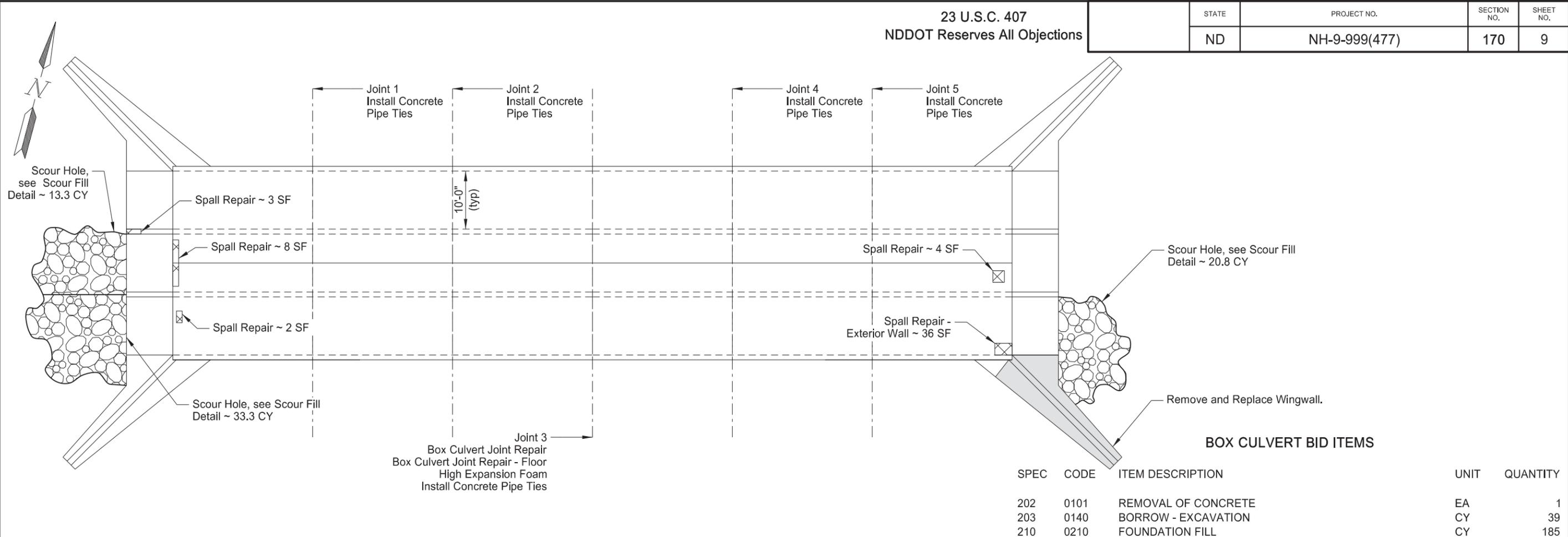
Estimated Quantities

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-9-999(477)	8	1

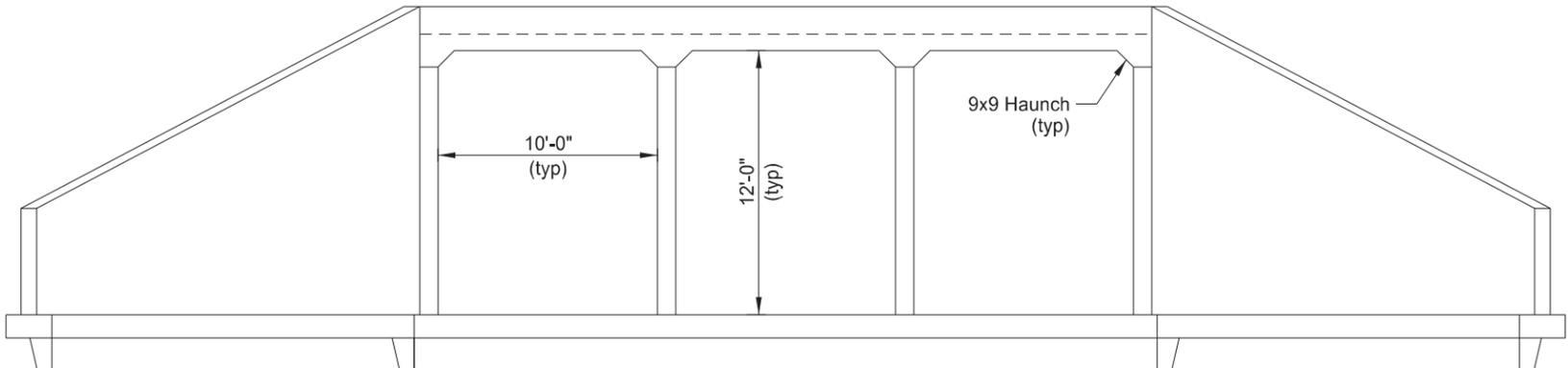
SPEC	CODE	ITEM DESCRIPTION	UNIT	Mainline:	TOTAL
103	0100	CONTRACT BOND	L SUM	1	1
202	0101	REMOVAL OF CONCRETE	EA	1	1
203	0119	TOPSOIL-IMPORTED	CY	34	34
203	0140	BORROW-EXCAVATION	CY	104	104
210	0210	FOUNDATION FILL	CY	185	185
256	0200	RIPRAP GRADE II	CY	368	368
602	1131	CLASS AE-3 CONCRETE-BOX CULVERT	CY	22	22
612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	LBS	3475	3475
702	0100	MOBILIZATION	L SUM	1	1
704	1000	TRAFFIC CONTROL SIGNS	UNIT	1016	1016
704	1038	ATTENUATION DEVICE-TYPE B-40	EA	2	2
704	1060	DELINEATOR DRUMS	EA	88	88
704	1067	TUBULAR MARKERS	EA	48	48
704	3511	STATE FURNISHED MEDIAN BARRIER	LF	1038	1038
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	379	379
714	9900	INSTALL CONCRETE PIPE TIES	SET	122	122
900	1003	TEMPORARY STREAM DIVERSION - SITE 3	EA	4	4
930	3640	HIGH EXPANSION POLYURETHANE FOAM	GAL	1480	1480
930	8230	SHORING	EA	1	1
930	9612	SPALL REPAIR	SF	367	367
930	9671	BOX CULVERT JOINT REPAIR	EA	41	41
930	9672	BOX CULVERT JOINT REPAIR - FLOOR	EA	23	23

23 U.S.C. 407  
NDDOT Reserves All Objections

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-9-999(477)	170	9



PLAN



END VIEW

BOX CULVERT BID ITEMS

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
202	0101	REMOVAL OF CONCRETE	EA	1
203	0140	BORROW - EXCAVATION	CY	39
210	0210	FOUNDATION FILL	CY	185
256	0200	RIP RAP GRADE II	CY	75
602	1131	CLASS AE-3 CONCRETE BOX CULVERT	CY	22
612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	LBS	3475
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	112
714	9900	INSTALL CONCRETE PIPE TIES	SET	50
900	1003	TEMPORARY STREAM DIVERSION - SITE 3	EA	1
930	3640	HIGH EXPANSION POLYURETHANE FOAM	GAL	55
930	8230	SHORING	EA	1
930	9612	SPALL REPAIR	SF	53
930	9671	BOX CULVERT JOINT REPAIR	EA	5
930	9672	BOX CULVERT JOINT REPAIR - FLOOR	EA	3

SPECIAL PROVISIONS

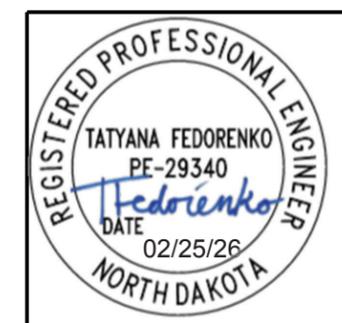
SSP 2	MIGRATORY BIRD TREATY ACT
SP 422(24)	CONCRETE SPALL REPAIR
SP 423(24)	TEMPORARY WATER DIVERSION
SP 456(24)	BOX CULVERT JOINT REPAIR

SOUTH FORK-MAPLE RIVER  
US 281, 1 MI SOUTH OF MONANGO

BOX CULVERT REPAIRS  
281-016.454

ND DEPARTMENT OF TRANSPORTATION  
BRIDGE DIVISION

*Jason Thorenson* Jason Thorenson  
02/25/26



-  Indicates spall repair area.
-  Indicates scour hole area to fill with borrow and cover with riprap.
-  Existing wingwall to be removed.

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-9-999(477)	170	10

**NOTES**

- 100 SCOPE OF WORK: Work at this site consists repairing existing construction joints in the barrel of the box culvert, filling voids with high expansion foam, installing pipe ties at the joints, replacing the southeast wingwall, completing spall repairs, and completing scour repairs at both ends of the box culvert.
- 100 GENERAL: Include the cost of furnishing and placing concrete inserts, rebar couplers, silicone sealant, and other miscellaneous items in the price bid for "Class AE-3 Concrete – Box Culvert".
- 202 REMOVAL OF CONCRETE: Remove the existing southeast wingwall, wingwall footing, and cutoff wall to the limits shown in the plans. Provide a 1" deep saw cut at the removal line to produce a clean edge. Remove the existing concrete taking care to prevent damage to existing reinforcement. Leave a minimum 3'-0" length of existing rebar in place for splicing to new rebar, or provide mechanical couplers if 3'-0" length of existing rebar cannot be provided. If existing rebar is cut or damaged and cannot be used for mechanical coupling, install new rebar per Note 602 POST INSTALLED ANCHORAGES. No additional compensation will be made for mechanical couplers or dowels required to be installed into the existing concrete.
- 203 BORROW EXCAVATION: The Engineer will verify the dimensions of the scour hole prior to commencing work. Fill the scour hole to the limits shown in the scour repair detail using clay material. Compact the borrow using Compaction Control, Type C.
- 210 FOUNDATION FILL: Place foundation fill to a minimum depth of 1'-0" beneath the wingwall footing, and between the wingwall and the temporary shoring. Payment for foundation fill will be made at plan quantity. 1' is assumed between the wingwall and the temporary shoring for quantity calculation purposes.
- 210 ORDINARY BACKFILL: After completing construction of the new wingwall, place ordinary backfill in front of the wingwall so the new footing is covered by a minimum of 1'-0" of backfill material. Suitable material excavated from behind the wingwall may be used for ordinary backfill.  
  
Include all costs for labor, equipment and materials required to backfill in front of the new wingwall in the price bid for "Foundation Fill".
- 256 RIPRAP GRADE II: Fill the top 2' of the scour hole with Riprap Grade II. Before placing the riprap, place Geosynthetic Material Type RR as shown in the scour repair detail.
- 602 CONCRETE: If the existing wall thickness is different than the new thickness, set the inner surfaces flush and the exterior surfaces tapered in the first 1'-6" of the wing.
- 602 CURING CONCRETE: Wet cure all concrete surfaces not covered by forms. Cover the concrete with a double thickness of burlap. Maintain surface moisture between the final finish and placement of burlap by periodic applications of a light fog spray of water. Keep the burlap continuously moist until the end of the curing period.
- 602 POST INSTALLED ANCHORAGES: Install new rebar dowels into the existing concrete for the wingwall repair where existing rebar cannot be salvaged. Provide a rebar dowel matching the size of the existing rebar with sufficient length to provide a 3'-0" lap to new reinforcing steel. Install the dowels using an epoxy adhesive with a minimum characteristic bond strength in uncracked concrete of 1.5 ksi. Install the dowels to the depth specified by the manufacturer for the size of rebar being used. Verify that no reinforcement will be encountered while drilling and any modifications to anchorage spacing will be approved by the Engineer prior to drilling.

Submit to the Engineer one system, including installation instructions, for approval prior to beginning work. Install all anchors as specified by the Manufacturer's Printed Installation Instructions.

Meet the following conditions prior to installing:

- Ensure concrete surface is free of water prior to drilling
- Ensure the hole is dry
- Install anchorages per Manufacturer's Printed Installation Instructions

612 REINFORCING STEEL: Dimensions of bent bars are given out to out.

714 INSTALL CONCRETE PIPE TIES: Install pipe ties at the joint locations as shown in the plans. Use tie bolts meeting ASTM A36. Use heavy hex nuts meeting ASTM A563 and washers meeting ASTM F436, Type 1. Galvanize all materials and hardware per Section 854.

Drill into the existing box culverts to accept the new ties. Install the ties into the holes using an epoxy adhesive meeting Section 806. Tighten the nuts at each end of the tie after the epoxy has cured.

Include all costs for labor, equipment and materials required to furnish and install the box culvert ties in the prices bid for "Install Concrete Pipe Ties". Each fully installed pipe tie will be paid for as one set.

900 TEMPORARY STREAM DIVERSION – SITE 3: It is anticipated that a temporary stream diversion will be required to complete the work at this site. Construct, maintain, and remove the temporary stream diversion in accordance with the Special Provision for Temporary Water Diversion.

Do not construct a temporary stream diversion if the Contractor and Engineer agree that no diversion is required at this site. No payment will be made for a temporary stream diversion at this site if the diversion is eliminated by agreement of the Contractor and Engineer.

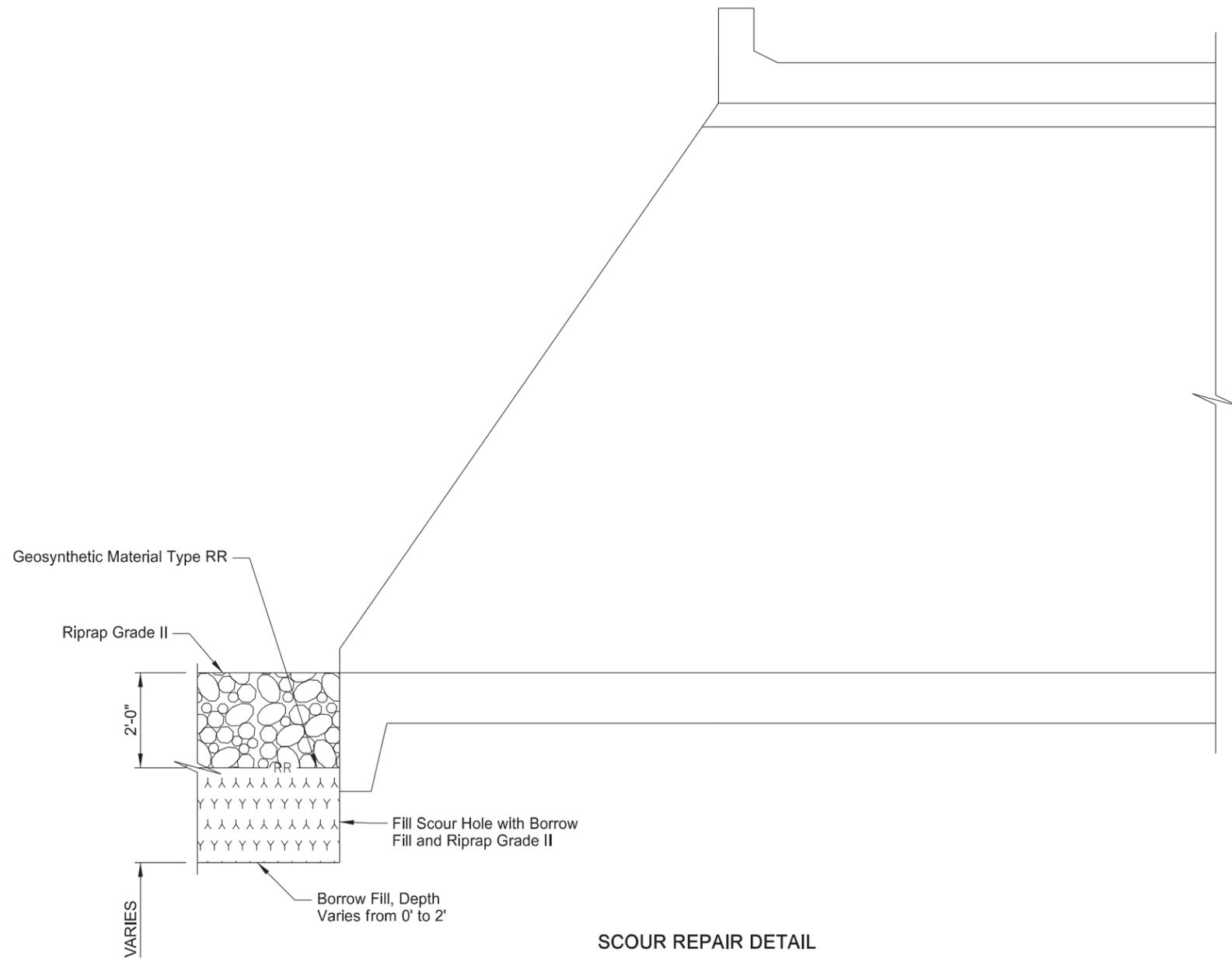
930 SHORING: Temporary shoring is required for the excavation and replacement of the wingwall. The Contractor will design, construct, maintain, and remove the temporary shoring. All excavation, labor, equipment, and material needed for this work shall be included in the bid item, "Shoring".

930 SPALL REPAIR: The structure has areas of spalled and deteriorated concrete as indicated on the plans and the table provided below. The limits shown are approximations. Actual limits will be determined and marked by the Engineer. Repair the areas marked for spall repair in accordance with the Special Provision for Spall Repairs.



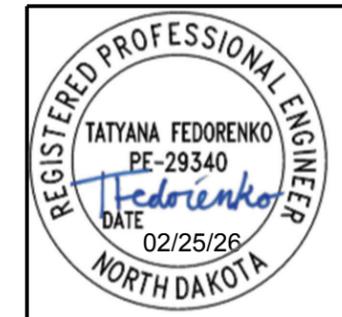
23 U.S.C. 407  
 NDDOT Reserves All Objections

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	ND	NH-9-999(477)	170	13



-  Indicates borrow fill.
-  Indicates scour hole area to fill with borrow fill and cover with riprap.

SCOUR REPAIR DETAIL



SOUTH FORK - MAPLE RIVER  
 US 281, 1 MI SOUTH OF MONANGO

BOX CULVERT REPAIRS  
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