

February 3, 2025

ADDENDUM 1 – JOB 23550

TO: All prospective bidders on Projects BRP-BRJ-0006(052), Job No. 23550 scheduled for the February 7, 2025 bid opening.

The following revision(s) shall be made:

Plan Revisions:

See attached summary from Derek D. Pfeifer, P.E. dated February 3, 2025 for an explanation.

Request for Proposal Revisions:

- Remove and replace pages 5 thru 8 of 10 of the Proposal pages located at the beginning of the Request for Proposal with pages revised February 3, 2025.
- Bid Item Changes are summarized in the Plan Addendum Summary and Approval.

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



for PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER
80: jwj
Enclosure

PLAN ADDENDUM SUMMARY AND APPROVAL

PROJECT INFORMATION		
Project:	BRP-BRJ-0006(052)	PCN: 23550
Location:	17 Miles South and 3 Miles East of Marmarth, ND	
Date:	1/30/2025	Lead Designer: Lucas Doerr
Bid Opening Date:	02/07/2025	JOB#: 23550 Addendum#: 1

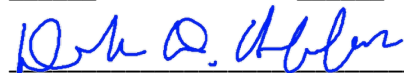
PLAN SHEET CHANGES		
Section	Sheet	Description
2	1	Removed Standard Drawing D-714-28.
6	1	Modified Plan Notes 107-P01 Maintaining Traffic During Construction, 107-P02 Temporary Bypass, 202-P01 Removal of Temporary Bypass and 203-P01 Borrow Excavation
8	1	Removed Bid Item "203-0113 Common Excavation Waste – 29,359 CY" Changed "709-0100 Geosynthetic Material Type G quantity from 870 SY to 644 SY"
11	1	Replaced the Earthwork Summary with phased excavation quantities.
51	1	Removed Geosynthetic Material from 4 culverts, changed the Applicable Backfill requirement for 4 culverts to Specification 714.04 A, Added "- Approach" to the bid item names for the approach pipe.

CHANGES MADE TO BID ITEMS FOR JOB					
Spec	Code	Description	Unit	Previous Quantity	Revised Quantity
203	0113	COMMON EXCAVATION WASTE	CY	29,359	0
709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	870	644

APPROVAL

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

X Yes No



Derek Pfeifer, P.E. – Local Government Engineer

2/3/2025

Date

BID ITEMS

Project: BRP-BRJ-0006(052) (PCN-23550)

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	201	0330	CLEARING & GRUBBING	L SUM	1.				
003	202	0105	REMOVAL OF STRUCTURE	L SUM	1.				
004	202	0169	REMOVAL OF END SECTION-ALL TYPES & SIZES	EA	2.				
005	202	0170	REMOVAL OF CULVERTS-ALL TYPES & SIZES	LF	43.				
006	202	0312	REMOVE EXISTING FENCE	LF	6,108.				
007	202	0350	REMOVAL OF TEMPORARY BYPASS	EA	1.				
008	203	0102	COMMON EXCAVATION-TYPE B	CY	40,032.				
009	203	0109	TOPSOIL	CY	5,862.				
010	203	0140	BORROW-EXCAVATION	CY	4,840.				
011	210	0050	BOX CULVERT EXCAVATION	EA	1.				
012	210	0210	FOUNDATION FILL	CY	404.				
013	210	0405	FOUNDATION PREPARATION-BOX CULVERT	EA	1.				
014	216	0100	WATER	M GAL	856.				
015	251	0200	SEEDING CLASS II	ACRE	11.900				
016	251	2000	TEMPORARY COVER CROP	ACRE	14.400				

BID ITEMS

Project: BRP-BRJ-0006(052) (PCN-23550)									
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
017	253	0101	STRAW MULCH	ACRE	26.300				
018	256	0100	RIPRAP GRADE I	CY	119.				
019	256	0200	RIPRAP GRADE II	CY	106.				
020	256	1500	ROCK CHECK	EA	91.				
021	261	0112	FIBER ROLLS 12IN	LF	160.				
022	261	0113	REMOVE FIBER ROLLS 12IN	LF	80.				
023	261	0120	FIBER ROLLS 20IN	LF	5,296.				
024	261	0121	REMOVE FIBER ROLLS 20IN	LF	5,296.				
025	262	0100	FLOTATION SILT CURTAIN	LF	60.				
026	262	0101	REMOVE FLOTATION SILT CURTAIN	LF	60.				
027	302	0050	TRAFFIC SERVICE AGGREGATE	TON	1,738.				
028	302	0356	AGGREGATE SURFACE COURSE CL 13	TON	4,921.				
029	302	0402	SALVAGE & RELAY AGGREGATE SURFACE COURSE	MILE	.700				
030	606	3414	DBL 14FT X 14FT PRECAST RCB CULVERT	LF	94.				
031	606	7414	DBL 14FT X 14FT PRECAST RCB END SECTION	EA	2.				
032	702	0100	MOBILIZATION	L SUM	1.				

BID ITEMS

Project: BRP-BRJ-0006(052) (PCN-23550)

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
033	704	1000	TRAFFIC CONTROL SIGNS	UNIT	1,017.				
034	704	1052	TYPE III BARRICADE	EA	6.				
035	704	1067	TUBULAR MARKERS	EA	16.				
036	704	1081	VERTICAL PANELS-BACK TO BACK	EA	85.				
037	709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	644.				
038	709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	394.				
039	710	0200	TEMPORARY BYPASS	L SUM	1.				
040	714	4099	PIPE CONDUIT 18IN-APPROACH	LF	46.				
041	714	4105	PIPE CONDUIT 24IN	LF	82.				
042	714	4106	PIPE CONDUIT 24IN-APPROACH	LF	134.				
043	714	4125	PIPE CONDUIT 48IN	LF	122.				
044	752	0200	FENCE BARBED WIRE 4 STRAND	LF	7,473.				
045	752	0905	TEMPORARY FENCE	LF	8,353.				
046	752	0911	TEMPORARY SAFETY FENCE	LF	645.				
047	752	2100	VEHICLE GATE	EA	4.				
048	752	3140	CORNER ASSEMBLY BARBED WIRE	EA	12.				

North Dakota Department of Transportation

BID ITEMS

Rev: 2/3/2025

Project: BRP-BRJ-0006(052) (PCN-23550)

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
049	754	1104	REMOVE SIGN FOUNDATION	EA	2.				
050	900	1000	TEMPORARY STREAM DIVERSION	EA	1.				
051	900	2001	WETLAND MITIGATION SITE 1	ACRE	.172	85,000	00	14,620	00
052	930	0200	DEWATERING	L SUM	1.				
053	980	0170	CATTLE GUARD RESET	EA	2.				
			TOTAL SUM BID						

TABLE OF CONTENTS					Revised 1/30/2025		STATE	PROJECT NO.	SECTION NO.	SHEET NO.
							ND	BRP-BRJ-0006(052)	2	1
PLAN SECTIONS			LIST OF STANDARD DRAWINGS							
Section	Page(s)	Description	Number	Description						
1	1	Title Sheet	D-101-1, 2,3,4	NDDOT Abbreviations						
2	1	Table of Contents	D-101-10	NDDOT Utility Company and Organization Abbreviations						
4	1	Scope of Work	D-101-20, 21	Line Styles						
6	1 - 2	Notes	D-101-30, 31,32,33	Symbols						
6	3	Environmental Notes	D-101-40	Cross Section Legend						
8	1 - 2	Quantities	D-203-8	Standard Rural Approaches						
10	1	Basis of Estimate	D-256-1	Erosion And Siltation Controls						
11	1	Data Tables	D-261-1	Erosion Control - Fiber Roll Placement Details						
20	1 - 5	General Details	D-704-7, 8	Breakaway Systems For Construction Zone Signs - Perforated Tube						
30	1 - 2	Typical Sections	D-704-10, 11,11A,13,15	Construction Sign Details - Regulatory Signs						
40	1 - 5	Removals	D-714-1, 4,11,26	Reinforced Concrete Pipe Culverts And End Sections (Round Pipe)						
51	1	Allowable Pipe List	D-714-22	Concrete Pipe, Cattle Pass, or Precast Concrete Box Culvert Ties						
60	1 - 7	Plan & Profile	D-752-1	Standard Barbed Wire Fence						
75	1 - 3	Wetland Impacts								
76	1 - 8	Temporary Erosion Control								
77	1 - 6	Permanent Erosion Control								
80	1 - 5	Layouts								
82	1 - 2	Survey Data Layouts								
100	1 - 3	Work Zone Traffic Control								
170	1 - 3	Structure Details								
200	1 - 37	Cross Sections								
SPECIAL PROVISIONS										
Number	Description									
SSP 1	Temporary Erosion and Sediment Best Management Practices									
SSP 2	Federal Migratory Bird Treaty Act									
69(23)	Permits and Environmental Considerations									
366(23)	Contract Time for Completion									
378(23)	Utility Coordination									
380(23)	Temporary Water Diversion									

NOTES

Revised 1/30/2025	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	BRP-BRJ-0006(052)	6	1

- 105-P01

UTILITY COORDINATION: Coordinate your work schedule with the utility companies, the County, and the Engineer. The County will be responsible for the cost of any utility adjustments, except in cases of negligence by the Contractor.

Work around power poles, telephone lines, pipelines and other utilities not designated for adjustments. Coordinate your schedule with the utility owners for utilities that will require adjustments.
- 105-P02

RIGHT OF WAY: Permanent Easements and Temporary Construction Easements have been obtained by Bowman County and are shown in the plans. Utilize Temporary Construction Easements for cutting slopes, construction staging and stockpiling topsoil. Minimize impacts within the Temporary Construction Easement areas as much as possible.
- 107-P01

MAINTAINING TRAFFIC DURING CONSTRUCTION: Install a temporary bypass to maintain traffic during the removal and replacement of the structure. After the new structure has been installed and backfilled, install the detour signage and close the mainline roadway to through traffic. Complete the remainder of the mainline grading and surfacing within the specified working days in the Contract Time for Completion special provision. Do not begin mainline grading operations on the existing road top until the roadway is closed to through traffic.

Coordinate with the adjacent landowners to provide daily access through the project.
- 107-P02

TEMPORARY BYPASS: Utilize embankment material from the Phase I mainline grading operation to construct the temporary bypass. Do not disturb the existing road top and maintain 4:1 inslopes from the edge of the existing gravel shoulder to the clear zone. Approximately, 34,196 CY of material will be generated from the Phase I mainline grading. Utilize Compaction Control, Type C to construct the temporary bypass. Embankment material used to construct the temporary bypass will not be measured for payment. The material will be paid for as common excavation and borrow excavation and will be paid for once. The final quantity will be calculated by a surveyed recross after the grading on the project is complete. Include all costs associated with excavating, hauling, placing, and compacting the embankment material for the temporary bypass to the grades specified in the plans in the unit price bid for "Temporary Bypass."
- 201-P01

CLEARING & GRUBBING: Include the cost to remove and dispose of all trees, stumps and brush within the construction area or wherever designated in the plans in the contract lump sum price for "Clearing and Grubbing." No field measurements will be taken. This includes the cost of removing and disposing of large trees. Exercise care in your construction operations to ensure that trees, shrubs and native grasses outside of the construction area are not disturbed.
- 202-P01

REMOVAL OF TEMPORARY BYPASS: Utilize the temporary bypass embankment material as embankment on the mainline. Do not remove the temporary bypass until the mainline roadway is closed to through traffic. Restore the temporary bypass area to its pre-existing conditions. Include all costs associated with the removal of the pipe conduit and riprap, and with restoring the temporary bypass area to its pre-existing conditions in the unit price bid for "Removal of Temporary Bypass."

- 202-P02

SALVAGE & RELAY AGGREGATE SURFACE COURSE: This work consists of salvaging the existing aggregate surfacing from the roadway, stockpiling the material, then relaying it on the new roadbed. The estimated depth of existing aggregate surfacing is 4 inches. No additional payment will be made for deviations in the depth of material.

Relay the salvaged aggregate surfacing on the new roadbed once it is constructed to grade and accepted by the Engineer. Relay the salvaged aggregate surfacing prior to placing new aggregate surfacing. Do not contaminate the salvaged aggregate surfacing during stockpiling operation. Relay and compact the salvage aggregate in accordance with Section 302.04, with exception of 302.04 A.

Include the cost for removing, stockpiling, loading, hauling, laying, compacting, and any other incidentals to complete this work in the contract unit price bid for "Salvage & Relay Aggregate Surface Course."
- 202-P03

REMOVAL OF STRUCTURE: Remove and salvage the concrete deck slabs. Take care when handling the concrete deck slabs and be responsible for all damages that may occur due to Contractor's negligence. Stockpile the deck slabs within the right of way for pickup by County Forces.
- 203-010

SHRINKAGE: 30 percent additional volume is included for shrinkage in earth embankment.
- 203-385

AVERAGE HAUL: No average haul has been computed for this project.
- 203-P01

BORROW EXCAVATION: Furnish the Borrow Excavation material necessary to complete the project. Use Compaction Control, Type B to compact the mainline embankment material.

Utilize all available mainline common excavation material from Phase I and Phase II earthwork operations for mainline embankment prior to utilizing additional borrow excavation. Do not use borrow excavation in place of common excavation.
- 203-P02

DITCH BLOCKS: Construct ditch block as indicated in the plans. Ditch blocks will be measured in the earthwork recross.
- 251-P01

SEEDING & MULCHING: Seed and mulch all disturbed areas due to construction and staging activities. The seeding and mulching plan quantities were calculated using a 10' buffer around the construction limits. Unless otherwise approved by the Engineer, payment for seeding and mulching items will not exceed plans quantity.
- 256-P01

RIPRAP GRADE II: Once the temporary bypass is removed, remove and place the 47 CY of Riprap Grade II in the riprap limits around the DBL 14FT x 14FT Precast RCB Culvert. Include all costs associated with removing the riprap from the temporary bypass and placing it in the structure's riprap limits in the price bid for "Removal of Temporary Bypass."
- 256-P02

ROCK CHECK: Ditch checks shall be constructed of loose stone and shall conform to standard drawing D-256-1. All costs associated with the construction of rock ditch checks shall be paid under the price bid for "Ditch Checks".



Estimated Quantities					Revised	1/27/2025	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
							ND	BRP-BRJ-0006(052)	8	1
SPEC	CODE	ITEM DESCRIPTION	UNIT	Mainline:						
103	0100	CONTRACT BOND	L SUM	1						
201	0330	CLEARING & GRUBBING	L SUM	1						
202	0105	REMOVAL OF STRUCTURE	L SUM	1						
202	0169	REMOVAL OF END SECTION-ALL TYPES & SIZES	EA	2						
202	0170	REMOVAL OF CULVERTS-ALL TYPES & SIZES	LF	43						
202	0312	REMOVE EXISTING FENCE	LF	6108						
202	0350	REMOVAL OF TEMPORARY BYPASS	EA	1						
203	0102	COMMON EXCAVATION-TYPE B	CY	40032						
203	0109	TOPSOIL	CY	5862						
203	0140	BORROW-EXCAVATION	CY	4840						
210	0050	BOX CULVERT EXCAVATION	EA	1						
210	0210	FOUNDATION FILL	CY	404						
210	0405	FOUNDATION PREPARATION-BOX CULVERT	EA	1						
216	0100	WATER	M GAL	856						
251	0200	SEEDING CLASS II	ACRE	11.9						
251	2000	TEMPORARY COVER CROP	ACRE	14.4						
253	0101	STRAW MULCH	ACRE	26.3						
256	0100	RIPRAP GRADE I	CY	119						
256	0200	RIPRAP GRADE II	CY	106						
256	1500	ROCK CHECK	EA	91						
261	0112	FIBER ROLLS 12IN	LF	160						
261	0113	REMOVE FIBER ROLLS 12IN	LF	80						
261	0120	FIBER ROLLS 20IN	LF	5296						
261	0121	REMOVE FIBER ROLLS 20IN	LF	5296						
262	0100	FLOTATION SILT CURTAIN	LF	60						
262	0101	REMOVE FLOTATION SILT CURTAIN	LF	60						
302	0050	TRAFFIC SERVICE AGGREGATE	TON	1738						
302	0356	AGGREGATE SURFACE COURSE CL 13	TON	4921						
302	0402	SALVAGE & RELAY AGGREGATE SURFACE COURSE	MILE	0.7						
606	3414	DBL 14FT X 14FT PRECAST RCB CULVERT	LF	94						
606	7414	DBL 14FT X 14FT PRECAST RCB END SECTION	EA	2						
702	0100	MOBILIZATION	L SUM	1						
704	1000	TRAFFIC CONTROL SIGNS	UNIT	1017						
704	1052	TYPE III BARRICADE	EA	6						
704	1067	TUBULAR MARKERS	EA	16						
704	1081	VERTICAL PANELS-BACK TO BACK	EA	85						
709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	644						
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	394						
710	0200	TEMPORARY BYPASS	L SUM	1						
714	4099	PIPE CONDUIT 18IN-APPROACH	LF	46						
714	4105	PIPE CONDUIT 24IN	LF	82						
714	4106	PIPE CONDUIT 24IN-APPROACH	LF	134						
714	4125	PIPE CONDUIT 48IN	LF	122						
752	0200	FENCE BARBED WIRE 4 STRAND	LF	7473						
752	0905	TEMPORARY FENCE	LF	8353						
752	0911	TEMPORARY SAFETY FENCE	LF	645						
752	2100	VEHICLE GATE	EA	4						

Revised	1/27/25	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	BRP-BRJ-0006(052)	11	1

EARTHWORK SUMMARY						
Location	203-0102 Common Excavation Type B (CY) Pay Item	Temporary Bypass Embankment (CY)	Embankment Material from Removal of Temporary Bypass (CY)	Mainline Embankment (CY)	203-0140 Borrow Excavation (CY) Pay Item	203-0109 Topsoil (CY) *Pay Item
Earthwork Operation Phase I: Perform mainline common excavation from Station 18+53 to 30+00 and from 40+00 to 55+34 per plan note 107-P02. Utilize this material and borrow excavation to construct the temporary bypass.	34,196	34,196				---
Earthwork Operation Phase II: Remove the temporary bypass and utilize the material as mainline embankment. Complete the remaining mainline common excavation and utilize additional borrow excavation to complete the mainline grading.	5,836		34,196	44,872	4,840	---
Total	40,032	34,196	34,196	44,872	4,840	5,862

* Topsoil volumes are computed from surface areas measurements. Topsoil within delineated Wetlands and Other Waters is based on an 8" depth.
All other topsoil areas are based on a 4" depth.

Bowman County

Hestekin Bridge Replacement
169th Ave SW

Earthwork Summary



Begin Station / Location	Begin Offset	End Station / Location	End Offset	Pipe Installation (Pay Item)		Allowable Material	Required Diameter	Steel Pipe Coatings	Steel Pipe Corrugations or Spiral Ribs	Steel Pipe Minimum Thickness	Geosynthetic Material - Type G (Pay Item)	(*) End Sections		Applicable Backfill
												Begin	End	
				In	Bid Item	LF	In	Type		In	SY	EA	EA	
23+23	49' Lt	23+67	49' Lt	18	Pipe Conduit - Approach	46'	Reinforced Concrete Pipe - Class III							Specification 714.04 A
							Corrugated Steel Pipe	P	2	0.064				
							Spiral Rib Steel Pipe	P	3/4, 1	0.064				
							Polypropylene Pipe (AASHTO M330, Type S)							
25+48	47' Lt	26+08	41' Lt	24	Pipe Conduit - Approach	62'	Reinforced Concrete Pipe - Class III							Specification 714.04 A
							Corrugated Steel Pipe	P	2	0.064				
							Spiral Rib Steel Pipe	P	3/4, 1	0.064				
							Polypropylene Pipe (AASHTO M330, Type S)							
25+63	48' Rt	26+37	41' Rt	24	Pipe Conduit - Approach	72'	Reinforced Concrete Pipe - Class III							Specification 714.04 A
							Corrugated Steel Pipe	P	2	0.064				
							Spiral Rib Steel Pipe	P	3/4, 1	0.064				
							Polypropylene Pipe (AASHTO M330, Type S)							
49+63	38' Lt	49+63	40' Rt	24	Pipe Conduit	82'	Reinforced Concrete Pipe - Class III				55	FES	FES	Standard D-714-26
							Corrugated Steel Pipe	P	2	0.064				
							Spiral Rib Steel Pipe	P	3/4, 1	0.064				
							Polypropylene Pipe (AASHTO M330, Type S)							
106+19	67' Rt	106+78	51' Lt	48	Pipe Conduit	122	Reinforced Concrete Pipe - Class III					TES (4:1)	TES (4:1)	Specification 714.04 A
							Corrugated Steel Pipe	P	2	0.064				
							Spiral Rib Steel Pipe	P	3/4, 1	0.064				
							Polypropylene Pipe (AASHTO M330, Type S)							

Corrugations: 2 = 2-2/3"x1/2"
3 = 3"x1"
5 = 5"x1"

Coatings: Z = Zinc
A = Aluminum
P = Polymeric (over Zinc or Aluminum)

Spiral Ribs: 3/4 = 3/4"x3/4"@7-1/2"
1 = 3/4"x1"@11-1/2"

(*) End sections are incidental to the bid item "Pipe Conduit"
FES = Flared End Section
TES = Traversable End Section

Bowman County

Hestekin Bridge Replacement
169th Ave SW

Allowable Pipe List

