



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

December 14, 2016

ADDENDUM 2 – JOB 3

TO: All prospective bidders on project SS-SOIB-7-804(050)248, Job No. 3 scheduled for the December 16, 2016 bid opening.

The following plan and request for proposal revisions shall be made:

Plan Revisions:

See attached summary from Adam Schoenherr, PE; Ulteig Engineering dated December 14, 2016 for an explanation.

Request for Proposal Revisions:

Remove and replace pages 13-14 of 16 of the Proposal pages located at the beginning of the Request for Proposal, with the enclosed pages revised 12/14/2016.

Page 13 of 16:

Item 970-2280 AMERICAN PLUM; 6764 EA was deleted.

Item 970-2285 SHUBERT CHOKECHERRY; 10,501 EA was deleted.

Pages 14 of 16:

Items have shifted due to deleted items.

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.

A handwritten signature in black ink, appearing to read "Cal J. Gendreau".

for CAL J. GENDREAU – CONSTRUCTION SERVICES ENGINEER

80:plm

Enclosure



December 14, 2016

**ADDENDUM 2
JOB NO. 3**

TO: All prospective bidders and suppliers on Project SS-SOIB-7-804(050)248, Job No.3 in Mountrail County, Schedule for the December 16, 2016 bid opening.

The following plan revisions shall be made:

Plan Revisions:

Remove and replace sheets 2-1, 6-4 to 6-6, 8-2, 10-1 with the enclosed sheets revised 12/14/2016.

SECTION NO. 2, SHEET NO. 1:

- Delete section 6 page 6

SECTION NO. 6, SHEET NO. 4:

- Delete note 970-P01

SECTION NO. 6, SHEET NO. 5:

- Deleted note EN-3, and renumbered notes

SECTION NO. 6, SHEET NO. 6:

- Deleted page and moved tables to Section 10 Sheet 1

SECTION NO. 8, SHEET NO. 2:

- Item 970 2280 AMERICAN PLUM deleted 6,764 EA
- Item 970 2285 SHUBERT CHOKECHERRY deleted 10,501 EA

SECTION NO. 10, SHEET NO. 1:

- Added USACE Tree tables from Section 6 Sheet 6

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

Sincerely,

Adam J. Schoenherr, PE
Project Engineer

BID ITEMS

Project: SS-SOIB-7-804(050)248 (PCN-20326)

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
129	766	0100	MAILBOX-ALL TYPES	EA	9.				
130	900	1000	TEMPORARY STREAM DIVERSION	EA	1.				
131	980	0170	CATTLE GUARD RESET	EA	1.				
132	980	0171	REMOVE CATTLE GUARD	EA	1.				
133	990	0400	PIPE CLEANOUT	EA	22.				
			SUBTOTAL						
ALTERNATE A									
134	602	1131	CLASS AE-3 CONCRETE-BOX CULVERT	CY	920.800				
135	612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	LBS	121,136.				
			SUBTOTAL ALTERNATE A						
ALTERNATE B									
136	606	3412	DBL 14FT X 12FT PRECAST RCB CULVERT	LF	220.				
137	606	7412	DBL 14FT X 12FT PRECAST RCB END SECTION	EA	2.				
			SUBTOTAL ALTERNATE B						

TABLE OF CONTENTS

Revised 12/7/2016	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
Revised 12/14/2016	ND	SS-SOIB-7-804(050)248	2	1

PLAN SECTIONS

SPECIAL PROVISIONS

Section	Page(s)	Description
1	1	Title Sheet
2	1 - 2	Table of Contents
4	1 - 3	Scope of Work
6	1 - 4	Notes
6	5	Environmental Notes
8	1 - 2	Quantities
10	1 - 16	Basis of Estimate
11	1 - 66	Earthwork Tabulation
11	67 - 75	Pins, R/W Marker, Monuments
20	1 - 19	General Details
30	1 - 16	Typical Sections
40	1 - 26	Removals
50	1	Hydraulic Data
51	1 - 9	Allowable Pipe List
60	1 - 65	Plan & Profile
75	1 - 5	Wetland Impacts
75	6 - 31	Wetlands, Mitigation and Environmental
76	1 - 30	Temporary Erosion Control
77	1 - 35	Permanent Erosion Control
80	1 - 26	Fencing
81	1 - 5	Survey Coordinate and Curve Data
82	1 - 47	Survey Data Layouts
100	1 - 28	Work Zone Traffic Control
110	1 - 34	Signing
120	1 - 32	Pavement Marking
170	1 - 12	Box Culvert
175	1 - 2	Soil Boring Logs
180	1 - 14	Pit Plats and Borrow Areas
200	1 - 1456	Cross Sections

Number	Description
SP 0325(14)	Tribal Employment Rights Ordinance (TERO)
SP 0003(14)	Temporary Erosion and Sediment Best Management Practices
SP 0004(14)	Federal Migratory Bird Treaty Act
SP 5032(14)	Permits and Environmental Considerations
SP 0345(14)	Temporary Water Diversion
SP 0384(14)	Winter Suspension

Revised 12/7/16
Revised 12/14/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-SOIB-7-804(050)248	6	4

NOTES

714-P03 CATTLE PASS CONC PLUG: Plug existing cattle pass at Sta 13778+13. Construct the plug of controlled density fill to fully seal each end of the cattle pass a minimum of 5' thick. Dewater the existing cattle pass prior to installing the plug.

Provide controlled density fill to meet all requirements of Section 550 of the Standard Specifications except as follows requirements:

1. 100 pounds or less of Portland cement plus fly ash per cubic yard
2. 8 inch or more slump
3. 28 day compressive strength of 100 psi

Include all costs associated with plugging the existing cattle pass as well as dewatering, including cofferdams if needed, in the price bid for "Cattle Pass Conc Plug".

752-P01 TEMPORARY FENCE: Place temporary/permanent fencing prior to removing existing fencing. Place temporary fencing around temporary construction easements where existing fence is removed until permanent fencing is in place. Field fit temporary fencing in areas of deep draws or wooded areas, with the approval of the Engineer. Verify the need for temporary fence with the landowner. The cost to install and remove temporary fencing is included in the price bid for "Fence Temporary Install & Remove."

754-P01 PRIVATE SIGN: Contact owner of the private sign located at Sta. 13145+00 prior to construction to allow the owner to remove the sign.

754-P02 REMOVE SIGN: Remove the "Axle Weight Limit 8 Tons" sign at Sta. 14118+18 and deliver to the NDDOT New Town yard.

754-P03 PANEL SIGN: Alter sign at Sta. 13127+51 LT to reflect new state route markers. Place retroreflective sticker with new state route sign on top of old one. The sticker places must meet current retroreflectivity standards. Include all costs for materials and installation in the price bid for other items.

762-050 PAVEMENT MARKING: If the Engineer and Contractor agree, plan quantity will be used as the measurement for payment for pavement marking items.

This document was originally issued and sealed by Adam J. Schoenherr, Registration Number PE-7569, on 12/14/2016 and the original document is stored at the North Dakota Department of Transportation.

ENVIRONMENTAL NOTES

Revised 12/7/16
Revised 12/14/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-SOIB-7-804(050)248	6	5

ENVIRONMENTAL NOTES (EN): The North Dakota Department of Transportation have made environmental commitments to secure approval of this project. The following environmental notes are requirements to comply with these commitments.

EN-1 TEMPORARY WETLAND IMPACT: Temporary impact areas within wetlands and or other waters are incorporated into the plans for this project. Remove temporary fill placed and sedimentation in wetlands or other waters. Restore these wetlands to preconstruction contours.

EN-2 WETLAND MITIGATION: Wetland mitigation is required for unavoidable permanent wetland impacts. The wetland mitigation plan is incorporated into the plans for this project.

EN-3 SPAWNING RESTRICTION: Do not work within the Little Knife River from April 15 to June 1.

EN-4 AVOIDANCE AREAS: The Project Engineer will contact Jeani Borchert of the Environmental and Transportation Services Division to coordinate any meetings needed to identify the limits of the avoidance area. The site are at:
32MN209 approximate Sta. 13286+58 to 13289+00 Lt and Rt
32MN214 approximate Sta. 13551+88 to 13563+26 Lt
32MN1209 approximate Sta. 13988+85 to 13989+22 Rt
32MN1210 approximate Sta. 13869+73 to 13870+13 Lt
32MN1211 approximate Sta. 13735+56 to 13736+31 Lt
32MN1212 approximate Sta. 13622+02 to 13622+61 Lt
32MN1213 approximate Sta. 13171+84 to 13172+62 Lt
These avoidance areas within the right-of-way must not be disturbed and will be fenced prior to commencement of any construction. Provide the fence and fence posts, install the fence in the location designated in the plans, maintain the fence, and remove the fence upon completion of the project. A quantity of 2082 LF of Temporary Safety Fence has been included for this purpose. All costs to provide, place, maintain, and remove the fence shall be included in the price bid for "Temporary Safety Fence."

If cultural resources are discovered during construction or operation, work would immediately be stopped, the affected site secured, and the NDDOT and SHPO notified. Work would not resume near the discovery until written authorization to proceed was received from NDDOT. All project workers would be prohibited from collecting artifacts or disturbing cultural resources in any area under any circumstances. If cultural resources are discovered on USACE lands, the USACE would also be contacted.

EN-5 WHOOPING CRANE: The project is located within the migration corridor of the endangered whooping crane, and suitable stopover habitat for the whooping crane is present. The migration periods of the whooping crane are April 1st to May 15th and September 10 to October 31.

Stop all construction activities and notify the Engineer immediately in the event a whooping crane is identified within one mile of the project location. The Engineer will then coordinate

with the USFWS, FHWA and NDDOT. Do not resume work within the avoidance area until the Engineer has confirmed that the bird has left the area.

Approximately 7 overhead utility poles will be adjusted between RP 250 and RP 254. The poles will remain in the same general location. In areas where above ground utility lines are raised within one mile of suitable whooping crane stopover habitat, utility companies will install bird diverters.

EN-6 AQUATIC NUISANCE SPECIES (ANS): Notify the North Dakota Game and Fish Department (NDGFD) at least 72 hours prior to any vehicles, vessels, pumps and equipment entering the water, to allow the NDGFD sufficient time to inspect any and all such equipment for ANS. Contact the NDGFD ANS Coordinator, Jessica Howell, by phone (701)368-8368 or e-mail jmhowell@nd.gov for equipment inspections, or any additional information regarding ANS prevention protocol. Supply the inspection report to the engineer prior to work taking place in the water.

EN-7 CONSTRUCTION REQUIREMENTS: A golden eagle nest exists at STA 13537+00 – 565' LT (approx.). No construction activities, other than hand activities and hauling of materials, will be permitted from February 1 to July 15 near the nest. If work in the area takes place, a qualified biologist will conduct a pre-construction survey to determine if the nest is still active. If active, no work will occur adjacent to the nest until the eagles have fledged.

EN-8 STORMWATER POLLUTION PREVENTION PLAN: A copy of the Stormwater Pollution Prevention Plan (SWPPP) for the work occurring on USACE property shall be provided to the USACE Garrison Project Office and the USACE District Office.

NOTIFICATIONS TO BE FILED BY CONTRACTOR:

North Dakota Department of Health SFN 17987 Asbestos Notification of Demolition and Renovation for bridges and boxes.

This document was originally issued and sealed by Adam J. Schoenherr, Registration Number PE-7569, on 12/14/2016 and the original document is stored at the North Dakota Department of Transportation.

SPEC	CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
762	0110	EPOXY PVMT MK 4IN LINE-GROOVED	LF	3053
762	0112	EPOXY PVMT MK MESSAGE	SF	1,488
762	0113	EPOXY PVMT MK 4IN LINE	LF	363,806
762	0115	EPOXY PVMT MK 8IN LINE	LF	12,258
762	0117	EPOXY PVMT MK 24IN LINE	LF	24
762	0430	SHORT TERM 4IN LINE - TYPE NR	LF	639,959
766	0100	MAILBOX - ALL TYPES	EA	9
900	1000	TEMPORARY STREAM DIVERSION	EA	1
980	0170	CATTLE GUARD RESET	EA	1
980	0171	REMOVE CATTLE GUARD	EA	1
990	0400	PIPE CLEANOUT	EA	22

Alternate A - CAST-IN-PLACE BOX CULVERT

SPEC	CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
602	1131	CLASS AE-3 CONCRETE-BOX CULVERT	CY	920.8
612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	LBS	121136

Alternate B - PRECAST BOX CULVERT

SPEC	CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
606	3412	DBL 14FT X 12FT PRECAST RCB CULVERT	LF	220
606	7412	DBL 14FT X 12FT PRECAST RCB END SECTION	EA	2

BASIS OF ESTIMATE

Revised 12/14/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-SOIB-7-804(050)248	10	1

USACE Tree

Trees/Shrubs – Diameter at breast height > 2”

SPECIES	2" < DBH ≤ 4"	4" < DBH ≤ 8"	8" < DBH ≤ 12"	Total Removals by Species
	Removals	Removals	Removals	
Green Ash <i>Fraxinus pennsylvanica</i>	24	18	14	56
Buffalo Berry <i>Shepherdia argentea</i>	0	0	0	0
American Elm <i>Ulmus americana</i>	1	2	0	3

Trees – Diameter at breast height < 2”

SPECIES	Removals (SF)	Tree Count (1 Tree/SF)
Russian Olive <i>Elaeagnus angustifolia</i>	669	669
Green Ash <i>Fraxinus pennsylvanica</i>	910	910
American Elm <i>Ulmus americana</i>	70	70

Shrubs – Diameter at breast height < 2”

SPECIES	Removals (SF)	Shrub Count (1 Shrub/SF)
Chokecherry <i>Prunus virginiana</i>	261	261
Buffalo Berry <i>Shepherdia argentea</i>	2,364	2,364

Short Term 4IN Line - Type NR		
Location	Basis	Quantity
Centerline	Centerline Skips/Barrier Stripe	151,453 LF
Top of 1st Lift (Yellow)		
Passing Lanes Centerline	Centerline Skips	9,349 LF
Top of 1st Lift (White)		
Centerline	Centerline Skips/Barrier Stripe	151,453 LF
Top of 2nd Lift (Yellow)		
Passing Lanes Centerline	Centerline Skips	9,349 LF
Top of 2nd Lift (White)		
Centerline	Centerline Skips/Barrier Stripe	151,453 LF
Top of 3rd Lift (Yellow)		
Passing Lanes Centerline	Centerline Skips	9,349 LF
Top of 3rd Lift (White)		
Centerline	Centerline Skips/Barrier Stripe	151,453 LF
Rumble Stips (Yellow)		
Bridge Bypass	Centerline DBL Barrier 3,050 LF Stripe 3,050 LF	6,100 LF
Total		639,959 LF

Coring Quantities

Specification Section	HBP Cores Samples						
	A	B	C	D	Quantity (D x 2)	Quantity (1 per mile)	Unit
	Distance (FT) / 2000	Lanes	Lifts	Sublots (A x B x C)			
430.04 I.2.b(1) "General" Mainline	50	2	3	300	600	N/A	EA
430.04 I.2.b(1) "General" Passing Lane	18	1	4	70	140	N/A	EA

Rumble Strips – Asphalt Shoulder

STA 13121+99 to STA 14131+77 = 100,978 LF = 19.12 Miles x 2 Lanes = 38.24 Miles

Rumble Strips – Centerline

STA 13121+99 to STA 14131+77 = 100,978 LF = 19.12 Miles

Remove Aggregate Base & Surfacing

Bituminous @ 2 Tons/CY
Aggregate Base @ 1.875 Tons/CY

Aggregate

Aggregate CL 5 @ 1.875 Tons/CY
Aggregate CL 4 @ 1.875 Tons/CY
Riprap – Grade 1 @ 1.70 Tons/CY

Hot Bituminous Pavement

Superpave FAA 45 @ 2.0 Tons/CY
Commercial Grade Hot Mix Asphalt @ 2.0 Tons/CY

Water

25 MGal/Mile for Dust Palliative
20 Gal/Ton for Aggregates
10 Gal/CY for Embankment

Mailboxes

Station	Type	Work
13149+53 – RT	Triple	Replace
13152+05 – RT	Single	Replace
13283+86 – LT	Single	Replace
13490+91 – RT	Single	Replace
13542+82 – LT	Single	Replace
13578+78 – LT	Single	Replace
13614+54 – LT	Single	Replace
13774+22 – LT	Single	Replace
13783+56 – LT	Single	Replace

Temporary Stream Diversion

Common Excavation – Type A = 9,420 CY
Pipe Conduit 66IN = 213 LF
Geosynthetic Type RR = 4,800 SY
Fiber Rolls 12IN = 795 LF
Riprap Grade I = 1,334 TON

Silted Pipes

Station

13156+05 – 95' Rt to 13156+69 – 86' Rt
13296+78 – 47' Lt to 13297+36 – 49' Lt
13296+89 – 50' Rt to 13297+34 – 49' Rt
13357+13
13432+01
13450+82 – 41' Rt to 13450+95 – 49' Lt
13581+72 – 57' Lt to 13581+77 – 58' Rt
13592+77 – 42' Rt to 13592+82 – 32' Lt
13628+82 – 30' Rt to 13628+83 – 42' Lt
13639+67 – 53' Lt to 13640+15 – 52' Lt
13643+71
13713+01 – 46' Rt to 13714+31 – 50' Rt
13773+80 – 48' Lt to 13774+34 – 48' Lt
13773+75 – 47' Rt to 13774+30 – 49' Rt
13853+10 – 47' Lt to 13853+64 – 47' Lt
13894+90
13899+53 – 48' Lt to 13900+14 – 47' Lt
13939+45
13958+43 – 64' Lt to 13959+04 – 63' Lt
13978+27 – 56' Lt to 13978+39 – 59' Rt
13995+59 – 48' Rt to 13996+19 – 49' Rt
14038+76 – 49' Rt to 14039+31 – 48' Rt

This document was originally issued and sealed by Adam J. Schoenherr, Registration Number PE-7569, on 12/14/16 and the original document is stored at the North Dakota Department of Transportation.