



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

March 31, 2016

ADDENDUM 1 – JOB 16

TO: All prospective bidders on project SS-3-017(028)011, Job No. 16 scheduled for the April 8, 2016 bid opening.

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

Plan Revisions:

See attached summary from Adam R. Walker; Houston, Engineering, Inc., dated March 30, 2016 for an explanation.

Request for Proposal Revisions:

Remove and replace page 8 of 12 of the Proposal pages located at the beginning of the Request for Proposal, with the enclosed page revised 3/31/2016.

Page 8 of 12:

Item 704 1000 TRAFFIC CONTROL SIGNS quantity has decreased from 4,246 to 3,622 UNIT.

Item 704 1052 TYPE III BARICADES quantity has decreased from 12 to 4 EA.

Item 704 1060 DELINEATOR DRUMS quantity has decreased from 25 to 6 EA.

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

Expedite bid files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> or the Department's web page (<http://www.dot.nd.gov>) and load it into the Expedite program.

For 

CAL J. GENDREAU – CONSTRUCTION SERVICES ENGINEER

80:dch

Enclosure



March 30, 2016

To: All prospective bidders on Project SS-3-017(028)011, scheduled for the April 8, 2016 bid opening.

The following plan revisions shall be made:

Remove and replace Section 6 sheet 1, Section 8 sheet 1, and Section 100 sheet 1 with the enclosed sheets revised on 3/29/16.

- | | | |
|---------|-------|---|
| Sec 6 | Sht 1 | - Removed D-704-15, Layout B for subcuts from note 704-P03. |
| Sec 8 | Sht 1 | - Revised 704-1000 Traffic Control Signs from 4,246 to 3,622 Units.
- Revised 704-1052 Type III Barricades from 12 to 4 Each.
- Revised 704-1060 Delineator Drums from 25 to 6 Each. |
| Sec 100 | Sht 1 | - Removed R2-1a-24 "Minimum Fee \$80" from devices list.
- Removed R11-2-48 "Road Closed" from devices list.
- Removed W1-3-48 "RT or LT Sharp Reverse Curve Arrow" from devices list.
- Removed W1-6-48 "Large Arrow" from devices list.
- Removed W13-1-24 "_ MPH Advisory Speed Plate" from devices list.
- Revised 704-1052 Type III Barricades from 12 to 4 Each.
- Revised 704-1060 Delineator Drums from 25 to 6 Each. |

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

Sincerely,

HOUSTON ENGINEERING, INC.

Adam R. Walker

ARW:aw

Enclosure

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BID ITEMS

Project: SS-3-017(028)011 (PCN-20285)

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	302	0120	AGGREGATE BASE COURSE CL 5	TON	28,323.				
018	401	0050	TACK COAT	GAL	351.				
019	401	0060	PRIME COAT	GAL	2,199.				
020	430	0042	SUPERPAVE FAA 42	TON	1,984.				
021	430	1000	CORED SAMPLE	EA	8.				
022	430	5828	PG 58-28 ASPHALT CEMENT	TON	119.				
023	624	3001	DOUBLE BOX BEAM RAIL RETROFIT-FREE STANDING	LF	188.600				
024	702	0100	MOBILIZATION	L SUM	1.				
025	704	0100	FLAGGING	MHR	1,200.				
026	704	1000	TRAFFIC CONTROL SIGNS	UNIT	3,622.				
027	704	1052	TYPE III BARRICADE	EA	4.				
028	704	1060	DELINEATOR DRUMS	EA	6.				
029	704	1067	TUBULAR MARKERS	EA	80.				
030	704	1080	STACKABLE VERTICAL PANELS	EA	160.				
031	704	1185	PILOT CAR	HR	100.				
032	706	0500	AGGREGATE LABORATORY	EA	1.				

NOTES

Revised 3/29/16	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-3-017(028)011	6	1

107-700 HAUL ROADS: The Engineer will not designate paved roads off the state system as haul roads.

107-710 HAUL ROADS: Before submitting a proposal, contact the appropriate State, County, Township, or City officials to determine if there are any roadways that will be designated as "no haul routes".

107-P01 HAUL ROADS: The entire haul cycle, loaded and empty, will be considered for haul routes.

107-P02 HAUL ROADS: Obtain written permission from the applicable local entities prior to use of a paved road off the state system for this project. Perform inspection, maintenance, restoration, and release of the haul road at no additional cost.

107-P03 HAUL ROAD RESTORATION: Use Class 13 aggregate for haul road restoration.

202-P01 REMOVAL OF PAVEMENT: Include the cost of full depth vertical saw cuts adjacent to pavement removal areas, specified in Section 202.04A "General", in the price bid for "Removal of Pavement".

203-P01 COMMON EXCAVATION-SUBCUT: Removed subgrade material below ND 17 may be used on approach inslopes and as ditch block embankment. Dispose of any remaining excavated material in accordance with Section 107.17, "Removed Material".

230-P01 SHOULDER PREPARATION: Perform shoulder preparation at guardrail locations.

261-P01: PERMANENT FIBER ROLLS: If fiber rolls are to remain on the project, use fiber rolls that are composed of plastic or natural fiber photodegradable netting that has a life expectancy between 12 to 24 months. If the photodegradable netting is plastic, the netting color must be either clear or green. Black plastic netting will not be allowed.

302-P01 AGGREGATE BASE COURSE CL 5: Do not substitute Salvaged Base Course for Aggregate Base Course CL 5.

401-P01 BLOTTER MATERIAL CL 44: Blotter material is not a pay item. Include all costs to obtain and apply Blotter Material CL 44 in the price bid for "Prime Coat".

430-P01 CONTRACTOR CORING: Before placing bituminous material into core holes, apply a tack coat on all sides of the core holes as specified in Section 401, "Prime or Tack Coat and Fog Coat".

430-P02 GRADE REFERENCE IN REMOVAL AREAS: Use a string line to control the screed height in subcut areas.

704-P01 TRAFFIC CONTROL FOR UNEVEN PAVEMENT: If the adjacent driving lanes are not even at the end of the day, the following criteria will apply:

Place the following sign assembly at the locations listed below.

Sign Assembly: Sign No. W8-11-48 "Uneven Lanes" and supplemental plate Sign No. W20-52-54 to identify the distance. Install Sign No. R4-1-48 "Do Not Pass" between the uneven lanes sign and the beginning of the uneven pavement.

Locations:

- Minimum of 720 feet in advance of the uneven lanes

Install tubular markers spaced at two times the posted speed limit on the centerline where uneven pavement exists.

Sign assemblies and devices will be measured and paid for according to Section 704, "Temporary Traffic Control".

704-P02 TRAFFIC CONTROL: Maintain a minimum of one lane of traffic open to public travel during subcut operations. At the end of the working day, open the roadway to two-way traffic with a minimum 30' wide driving surface and 4:1 traversable inslopes or flatter. No drop-off greater than 2 inches will be permitted. If two-way traffic cannot be obtained, maintain a minimum 15' wide driving surface with flagging until two-way traffic operation conditions can be met. No additional payment to be made for flagging operations outside of working hours.

704-P03 TRAFFIC CONTROL: The traffic control devices list has been developed using the layouts shown in the plans and the following Standard Drawings:

1. D-704-2, Coring of hot bituminous pavement.
2. D-704-15, Layout A: For subcuts and other operations that require a lane closure. In addition, it will also be used for temporary roadway closures during paving operations.
3. D-704-20, Layout G: For all construction operations.
4. D-704-22, Type K and Type L: For construction trucks hauling material.
5. D-704-24, Type R: For shoulder closures.
6. D-704-26, Type CC, EE, and GG for paving operations.
7. D-704-27, Pavement marking operations.
8. D-704-56, Rumble strips.

Traffic control quantities have been developed based on two subcut operations and one guardrail replacement operation occurring simultaneously. The required traffic control signs and devices are included in the "Traffic Control Devices List" and will be measured and paid for at the price bid for each device. Include all costs to remove and reset traffic control devices in the price bid for each item.

704-P04 FIELD DRIVE AND SECTION LINE ROADS: Coordinate access to field drives and section lines roads with the Engineer in the field prior to the start of subcut operations.

706-P01 LABORATORY: Provide laboratories wired for DSL Broadband internet with Wi-Fi and have the capability to allow for hard wiring the computer.

Include the cost of the installation and monthly fee in the price bid for each laboratory.

764-P01 GUARDRAIL: Existing w-beam and box beam guardrail designated to be removed and not reset will remain the property of the NDDOT. Deliver to the Devils Lake maintenance yard west of Devils Lake, ND, RP 266.922 on US Highway 2. Include all costs to deliver existing W-beam and box beam guardrail in the price bid for guardrail removal items.

Dispose of remaining guardrail materials in accordance with Section 107.17, "Removed Material".

This document was originally issued and sealed by Adam R. Walker, Registration Number PE-5845, On 3/29/16 and the original document is stored at the North Dakota Department of Transportation

SPEC	CODE	ITEM DESCRIPTION	UNIT	MAINLINE	TOTAL
103	0100	CONTRACT BOND	L SUM	1	1
202	0137	REMOVAL OF PAVEMENT	SY	7,955	7,955
203	0109	TOPSOIL	CY	3,808	3,808
203	0121	TOPSOIL-WETLAND	CY	81	81
203	0138	COMMON EXCAVATION-SUBCUT	CY	13,928	13,928
203	0218	GUARDRAIL EMBANKMENT	EA	4	4
216	0100	WATER	M GAL	579	579
230	0125	SHOULDER PREPARATION	MILE	0.408	0.408
251	0200	SEEDING CLASS II	ACRE	4.72	4.72
251	1000	WETLAND SEED	ACRE	0.10	0.10
251	2000	TEMPORARY COVER CROP	ACRE	4.72	4.72
253	0101	STRAW MULCH	ACRE	9.44	9.44
260	0200	SILT FENCE SUPPORTED	LF	1,015	1,015
260	0201	REMOVE SILT FENCE SUPPORTED	LF	1,015	1,015
261	0112	FIBER ROLLS 12IN	LF	3,690	3,690
261	0113	REMOVE FIBER ROLLS 12IN	LF	1,330	1,330
302	0120	AGGREGATE BASE COURSE CL 5	TON	28,323	28,323
401	0050	TACK COAT	GAL	351	351
401	0060	PRIME COAT	GAL	2,199	2,199
430	0042	SUPERPAVE FAA 42	TON	1,984	1,984
430	1000	CORED SAMPLE	EA	8	8
430	5828	PG 58-28 ASPHALT CEMENT	TON	119	119
624	3001	DOUBLE BOX BEAM RAIL RETROFIT-FREE STANDING	LF	188.6	188.6
702	0100	MOBILIZATION	L SUM	1	1
704	0100	FLAGGING	MHR	1,200	1,200
704	1000	TRAFFIC CONTROL SIGNS	UNIT	3,622	3,622
704	1052	TYPE III BARRICADE	EA	4	4
704	1060	DELINEATOR DRUMS	EA	6	6
704	1067	TUBULAR MARKERS	EA	80	80
704	1080	STACKABLE VERTICAL PANELS	EA	160	160
704	1185	PILOT CAR	HR	100	100
706	0500	AGGREGATE LABORATORY	EA	1	1
706	0550	BITUMINOUS LABORATORY	EA	1	1
706	0600	CONTRACTOR'S LABORATORY	EA	1	1
709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	14,293	14,293
748	0141	CURB & GUTTER-TYPE 1 SPECIAL	LF	80	80
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	6	6
754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	112	112
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	177	177
754	0592	RESET SIGN PANEL	EA	2	2
760	0005	RUMBLE STRIPS-ASPHALT SHOULDER	MILE	0.714	0.714
760	0007	RUMBLE STRIPS-ASPHALT CENTERLINE	MILE	0.357	0.357
762	0430	SHORT TERM 4IN LINE-TYPE NR	LF	1,416	1,416
762	1104	PVMT MK PAINTED 4IN LINE	LF	4,244	4,244
764	0131	W-BEAM GUARDRAIL	LF	483	483
764	0145	W-BEAM GUARDRAIL END TERMINAL	EA	14	14
764	0151	REMOVE W-BEAM GUARDRAIL & POSTS	LF	800	800
764	1050	RESET W-BEAM GUARDRAIL	LF	513	513
764	2080	REMOVE BOX BEAM GUARDRAIL	LF	613	613
764	2081	REMOVE END TREATMENT & TRANSITION	EA	14	14

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-3-017(028)011	100	1

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36	36"x6"	STREET NAME SIGN (Sign and installation only)		6	
G20-1-60	60"x24"	ROAD WORK NEXT ___ MILES	2	34	68
G20-1b-60	60"x24"	WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)		26	
G20-2-48	48"x24"	END ROAD WORK	2	19	38
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted on back of pilot car)		18	
G20-10-108	108"x48"	CONTRACTOR SIGN	2	64	128
G20-50a-72	72"x36"	ROAD WORK NEXT ___ MILES RT & LT ARROWS	10	37	370
G20-52a-72	72"x24"	ROAD WORK NEXT ___ MILES RT or LT ARROW		30	
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE \$80 WHEN WORKERS PRESENT	2	59	118
M1-1-36	36"x36"	INTERSTATE ROUTE MARKER (Post and installation only)		10	
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)		10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)		10	
M3-1-24	24"x12"	NORTH (Mounted on route marker post)		7	
M3-2-24	24"x12"	EAST (Mounted on route marker post)		7	
M3-3-24	24"x12"	SOUTH (Mounted on route marker post)		7	
M3-4-24	24"x12"	WEST (Mounted on route marker post)		7	
M4-8-24	24"x12"	DETOUR (Mounted on route marker post)		7	
M4-9-30	30"x24"	DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT		15	
M4-10-48	48"x18"	DETOUR ARROW RIGHT or LEFT		23	
M5-1-21	21"x15"	ARROW AHD AND RT or LT (Mounted on route marker post)		7	
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)		7	
M6-1-21	21"x15"	ARROW RT or LT (Mounted on route marker post)		7	
M6-2-21	21"x15"	ARROW UP & RT or LT (Mounted on route marker post)		7	
M6-3-21	21"x15"	ARROW AHD (Mounted on route marker post)		7	
R1-1-48	48"x48"	STOP	2	32	64
R1-1a-18	18"x18"	STOP and SLOW PADDLE Back to Back	6	5	30
R1-2-60	60"x60"	YIELD		29	
R2-1-48	48"x60"	SPEED LIMIT ___	12	39	468
R2-1a-24	24"x18"	MINIMUM FEE \$80 (Mounted on Speed Limit post)		10	
R3-7-48	48"x48"	LEFT or RIGHT LANE MUST TURN LEFT or RIGHT		35	
R4-1-48	48"x60"	DO NOT PASS	6	39	234
R4-7-48	48"x60"	KEEP RIGHT SYMBOL		39	
R5-1-48	48"x48"	DO NOT ENTER		35	
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT		13	
R7-1-12	12"x18"	NO PARKING		11	
R10-6-24	24"x36"	STOP HERE ON RED		16	
R11-2-48	48"x30"	ROAD CLOSED		28	
R11-2a-48	48"x30"	STREET CLOSED		28	
R11-3a-60	60"x30"	ROAD CLOSED ___ MILES AHEAD LOCAL TRAFFIC ONLY		31	
R11-3c-60	60"x30"	STREET CLOSED ___ MILES AHEAD LOCAL TRAFFIC ONLY		31	
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC		31	
W1-3-48	48"x48"	RIGHT or LEFT SHARP REVERSE CURVE ARROW		35	
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW		35	
W1-4b-48	48"x48"	DOUBLE RIGHT or LEFT REVERSE CURVE ARROW		35	
W1-6-48	48"x24"	LARGE ARROW		26	
W3-1-48	48"x48"	STOP AHEAD SYMBOL		35	
W3-3-48	48"x48"	SIGNAL AHEAD SYMBOL		35	
W3-4-48	48"x48"	BE PREPARED TO STOP	6	35	210
W3-5-48	48"x48"	SPEED REDUCTION AHEAD	6	35	210
W4-2-48	48"x48"	RIGHT or LEFT LANE TRANSITION SYMBOL		35	
W5-1-48	48"x48"	ROAD NARROWS		35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE		35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW		35	
W6-3-48	48"x48"	TWO WAY TRAFFIC SYMBOL		35	
W8-1-48	48"x48"	BUMP	12	35	420
W8-3-48	48"x48"	PAVEMENT ENDS		35	
W8-7-48	48"x48"	LOOSE GRAVEL		35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF		35	
W8-11-48	48"x48"	UNEVEN LANES	6	35	210
W8-12-48	48"x48"	NO CENTER STRIPE		35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY		35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or ___ FT.	2	35	70
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or ___ FT.	2	35	70
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY		35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL		35	
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL		35	
W13-1-24	24"x24"	___ MPH ADVISORY SPEED PLATE (Mounted on warning sign post)		11	
W13-4-48	48"x60"	RAMP ARROW		39	
W14-3-48	48"x36"	NO PASSING ZONE		23	
W20-1-48	48"x48"	ROAD WORK AHEAD or ___ FT or ___ MILE	8	35	280
W20-2-48	48"x48"	DETOUR AHEAD or ___ FT		35	
W20-3-48	48"x48"	ROAD or STREET CLOSED AHEAD or ___ FT.		35	
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or ___ FT.		35	
W20-5-48	48"x48"	RIGHT or LEFT LANE CLOSED AHEAD or ___ FT.		35	
W20-7a-48	48"x48"	FLAGGING SYMBOL	6	35	210
W20-7k-24	24"x18"	___ FEET (Mounted on warning sign post)		10	
W20-8-48	48"x48"	STREET CLOSED		35	
W20-51-48	48"x48"	EQUIPMENT WORKING		35	
W20-52-54	54"x12"	NEXT ___ MILES (Mounted on warning sign post)	6	12	72
W21-1a-48	48"x48"	WORKERS SYMBOL		35	
W21-2-48	48"x48"	FRESH OIL	1	35	35
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or ___ FT		35	

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W21-5-48	48"x48"	SHOULDER WORK	1	35	35
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED		35	
W21-5b-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED AHEAD or ___ FT.		35	
W21-6a-48	48"x48"	SURVEY CREW AHEAD		35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or ___ FT.		35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY		35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK		35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)		11	

SPECIAL SIGNS					
CONSIGN 1	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
	48"x48"	Pavement Breaks	6	35	210
	18"x18"	Orange Blank Sign	6	12	72

SPEC & CODE	DESCRIPTION	TOTAL UNITS
704-1000	TRAFFIC CONTROL SIGNS	3622

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY
704-0100	FLAGGING	MHR	1200
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH	
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH	
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH	
704-1050	TYPE I BARRICADES	EACH	
704-1051	TYPE II BARRICADES	EACH	
704-1052	TYPE III BARRICADES	EACH	4
704-1060	DELINEATOR DRUMS	EACH	6
704-1065	TRAFFIC CONES	EACH	
704-1067	TUBULAR MARKERS	EACH	80
704-1070	DELINEATOR	EACH	
704-1072	FLEXIBLE DELINEATORS	EACH	
704-1080	STACKABLE VERTICAL PANELS	EACH	160
704-1081	VERTICAL PANELS - BACK TO BACK	EACH	
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH	
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH	
704-1087	SEQUENCING ARROW PANEL - TYPE C	EACH	
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH	
704-1095	TYPE B FLASHERS	EACH	
704-1185	PILOT CAR	HR	100
704-1500	OBLITERATION OF PVMT MK	SF	
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF	
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH	
762-0200	RAISED PAVEMENT MARKERS	EACH	
762-0420	SHORT TERM 4IN LINE - TYPE R	LF	
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF	1416
772-2110	FLASHING BEACON - POST MOUNTED	EACH	

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
<http://www.dot.nd.gov/>

This document was originally issued and sealed by Adam R. Walker, Registration Number PE-5845, on 3/29/16 and the original document is stored at the North Dakota Department of Transportation.

Traffic Control Devices List