



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Doug Burgum
Governor

April 24, 2017

Mr. Lance Meyer
City Engineer
PO Box 5006
Minot, ND 58702-5006

PROJECT: NHU-4-002(115)906, PCN 21171 – US 2B, BURDICK EXPRESSWAY FROM
9TH ST SE TO 15TH ST SE

Bids for the construction on the above noted project were taken at our bid opening of April 21, 2017. A copy of the Contract Detail Estimate is enclosed.

The low bid for PCC, HMA, Salvage Base Course, Grading, Sanitary Sewer, Storm Sewer, Watermain, Sidewalk, Lighting, Signals, Signing, & Pavement Marking was submitted by Keller Paving & Landscaping, Inc. of Minot, ND in the amount of \$4,347,531.50 (with Option 1). According to the agreement with the City of Minot, the City's share of the project is estimated to be \$1,416,618.48.

Before we can award to the low bidder, we need the City of Minot to **concur**, in writing, in the estimated amount by May 2, if possible.

Questions should be addressed to the Construction Services Division at (701)328-2566 or Ardin Striefel at (701)328-2559.

CAL J. GENDREAU, P.E. - CONSTRUCTION SERVICES ENGINEER

80/cjg/lp
Enclosure

4/21/2017

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
CONTRACT DETAIL ESTIMATE UPON WHICH PROJECT AGREEMENT IS TO BE BASED

Page 1 of 9

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Contract with **KELLER PAVING & LANDSCAPING INC MINOT, ND**

Signed Date:

County(s): **WARD**

Location: **US 2B - BURDICK EXPRESSWAY - 9TH ST SE TO 15TH ST SE**

North Dakota **FEDERAL AID**

Bid Opening Date: 4/21/2017

Project Number: **NHU-4-002(115)906**PCN: **21171**Job Number: **19**English/Metric: **ENGLISH**Roadway: **URBAN****RP 906.658 TO RP 907.05**Type: **PCC, HMA, SALV BASE COURSE, GRADING, SIDEWALK, LIGHTING, SIGNALS, SIGNING, AND
PAVEMENT MARKING**Participating: **Y**

Spec	Code	Item Description	Quantity	Unit	Unit Price	Amount
103	0100	CONTRACT BOND	0.750	L SUM	\$20,000.00	\$15,000.00
201	0330	CLEARING & GRUBBING	1.000	L SUM	\$20,000.00	\$20,000.00
202	0104	REMOVAL OF STRUCTURE	12.000	EA	\$5,000.00	\$60,000.00
202	0136	REMOVAL OF PAVEMENT	5,742.000	TON	\$18.00	\$103,356.00
202	0169	REMOVAL OF END SECTION-ALL TYPES & SIZES	1.000	EA	\$250.00	\$250.00
202	0174	REMOVAL OF PIPE ALL TYPES AND SIZES	1,466.000	LF	\$25.00	\$36,650.00
202	0210	REMOVAL OF MANHOLES	7.000	EA	\$1,500.00	\$10,500.00
202	0230	REMOVAL OF INLETS	13.000	EA	\$1,000.00	\$13,000.00
202	0235	REMOVAL OF CATCH BASIN	1.000	EA	\$1,000.00	\$1,000.00
202	0293	REMOVE RETAINING WALL	131.000	LF	\$20.00	\$2,620.00
202	0312	REMOVE EXISTING FENCE	624.000	LF	\$6.00	\$3,744.00
203	0101	COMMON EXCAVATION-TYPE A	8,895.000	CY	\$10.00	\$88,950.00
203	0109	TOPSOIL	990.000	CY	\$15.00	\$14,850.00
203	0119	TOPSOIL-IMPORTED	110.000	CY	\$35.00	\$3,850.00
203	0130	MUCK EXCAVATION	1,750.000	CY	\$20.00	\$35,000.00
203	0140	BORROW-EXCAVATION	3,227.000	CY	\$18.00	\$58,086.00
216	0100	WATER	285.000	M GAL	\$20.00	\$5,700.00
230	0165	SUBGRADE PREPARATION-TYPE A-12IN	20.500	STA	\$250.00	\$5,125.00
251	0200	SEEDING CLASS II	0.540	ACRE	\$2,500.00	\$1,350.00
251	0300	SEEDING CLASS III	0.540	ACRE	\$2,500.00	\$1,350.00
251	2000	TEMPORARY COVER CROP	0.810	ACRE	\$250.00	\$202.50
253	0201	HYDRAULIC MULCH	1.900	ACRE	\$2,200.00	\$4,180.00
255	0201	TRM TYPE 1	2,139.000	SY	\$4.25	\$9,090.75
256	0100	RIPRAP GRADE I	41.000	CY	\$75.00	\$3,075.00
256	0300	RIPRAP GRADE III	139.000	CY	\$75.00	\$10,425.00
261	0112	FIBER ROLLS 12IN	1,797.000	LF	\$2.75	\$4,941.75
261	0113	REMOVE FIBER ROLLS 12IN	1,797.000	LF	\$0.50	\$898.50
262	0100	FLOTATION SILT CURTAIN	70.000	LF	\$15.00	\$1,050.00
262	0101	REMOVE FLOTATION SILT CURTAIN	70.000	LF	\$2.00	\$140.00
302	0050	TRAFFIC SERVICE AGGREGATE	750.000	TON	\$20.00	\$15,000.00
302	0100	SALVAGED BASE COURSE	7,638.000	TON	\$15.00	\$114,570.00
302	0129	AGGREGATE BASE COURSE CL 7	3,859.000	TON	\$35.00	\$135,065.00
411	0105	MILLING PAVEMENT SURFACE	505.000	SY	\$10.00	\$5,050.00
420	0111	CRS2P EMULSIFIED ASPHALT	242.000	GAL	\$3.50	\$847.00
420	0128	COVER COAT MATERIAL CL 41-M	605.000	SY	\$4.00	\$2,420.00
430	0500	COMMERCIAL GRADE HOT MIX ASPHALT	314.000	TON	\$95.00	\$29,830.00
550	0302	8.5IN NON-REINF CONCRETE PVMT CL AE-DOWELED	13,532.000	SY	\$66.00	\$893,112.00
626	0100	COFFERDAM	1.000	EA	\$7,500.00	\$7,500.00
702	0100	MOBILIZATION	0.750	L SUM	\$90,000.00	\$67,500.00
704	0100	FLAGGING	1,035.000	MHR	\$20.00	\$20,700.00
704	1000	TRAFFIC CONTROL SIGNS	3,413.000	UNIT	\$4.00	\$13,652.00
704	1050	TYPE I BARRICADE	12.000	EA	\$75.00	\$900.00
704	1052	TYPE III BARRICADE	45.000	EA	\$100.00	\$4,500.00
704	1060	DELINEATOR DRUMS	184.000	EA	\$50.00	\$9,200.00

North Dakota FEDERAL AID

Bid Opening Date: 4/21/2017

Project Number: NHU-4-002(115)906

PCN: 21171

Job Number: 19

English/Metric: ENGLISH

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
704 1067	TUBULAR MARKERS	165.000	EA	\$25.00	\$4,125.00
704 1086	SEQUENCING ARROW PANEL-TYPE B	2.000	EA	\$1,000.00	\$2,000.00
704 4011	PORTABLE CHANGEABLE MESSAGE SIGN	4.000	EA	\$5,000.00	\$20,000.00
706 0400	FIELD OFFICE	1.000	EA	\$5,000.00	\$5,000.00
706 0500	AGGREGATE LABORATORY	1.000	EA	\$10,000.00	\$10,000.00
708 1540	INLET PROTECTION-SPECIAL	23.000	EA	\$350.00	\$8,050.00
708 1541	REMOVE INLET PROTECTION-SPECIAL	23.000	EA	\$50.00	\$1,150.00
709 0151	GEOSYNTHETIC MATERIAL TYPE R1	20,399.000	SY	\$2.00	\$40,798.00
709 0155	GEOSYNTHETIC MATERIAL TYPE RR	289.000	SY	\$2.00	\$578.00
714 9680	PLUG PIPE-ALL TYPES & SIZES	1.000	EA	\$350.00	\$350.00
714 9730	UNDERDRAIN PIPE PVC PERFORATED 6IN	796.000	LF	\$10.00	\$7,960.00
720 0125	ALIGNMENT MONUMENTS	17.000	EA	\$2,000.00	\$34,000.00
720 0130	IRON PIN R/W MONUMENTS	21.000	EA	\$2,000.00	\$42,000.00
722 3410	MANHOLE REPAIR	1.000	EA	\$1,000.00	\$1,000.00
748 0140	CURB & GUTTER-TYPE I	4,885.000	LF	\$21.00	\$102,585.00
748 0520	CURB-TYPE I	772.000	LF	\$21.00	\$16,212.00
748 1080	VALLEY GUTTER-TYPE I 48IN	9.000	SY	\$90.00	\$810.00
750 0030	PIGMENTED IMPRINTED CONCRETE	357.000	SY	\$85.00	\$30,345.00
750 0100	SIDEWALK CONCRETE	2,835.000	SY	\$41.00	\$116,235.00
750 0150	SIDEWALK TRENCH DRAIN	1.000	EA	\$2,500.00	\$2,500.00
750 1000	DRIVEWAY CONCRETE	402.000	SY	\$50.00	\$20,100.00
750 2115	DETECTABLE WARNING PANELS	232.000	SF	\$50.00	\$11,600.00
752 0600	FENCE CHAIN LINK	553.000	LF	\$50.00	\$27,650.00
752 0905	TEMPORARY FENCE	553.000	LF	\$10.00	\$5,530.00
752 0911	TEMPORARY SAFETY FENCE	1,000.000	LF	\$3.00	\$3,000.00
752 2100	VEHICLE GATE	1.000	EA	\$4,000.00	\$4,000.00
754 0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	259.000	SF	\$29.00	\$7,511.00
754 0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	213.000	SF	\$30.00	\$6,390.00
754 0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	365.000	LF	\$20.00	\$7,300.00
754 0563	REFERENCE MARKER-TYPE C	1.000	EA	\$500.00	\$500.00
754 0592	RESET SIGN PANEL	1.000	EA	\$250.00	\$250.00
754 0805	OBJECT MARKERS - CULVERTS	2.000	EA	\$75.00	\$150.00
754 1104	REMOVE SIGN FOUNDATION	1.000	EA	\$1,500.00	\$1,500.00
762 0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	128.000	SF	\$18.00	\$2,304.00
762 1305	PREFORMED PATTERNED PVMT MK 4IN LINE-GROOVED	6,374.000	LF	\$4.00	\$25,496.00
762 1307	PREFORMED PATTERNED PVMT MK 6IN LINE-GROOVED	809.000	LF	\$7.00	\$5,663.00
762 1309	PREFORMED PATTERNED PVMT MK 8IN LINE-GROOVED	672.000	LF	\$9.00	\$6,048.00
762 1325	PREFORMED PATTERNED PVMT MK 24IN LINE-GROOVED	359.000	LF	\$30.00	\$10,770.00
770 0001	LIGHTING SYSTEM	0.750	EA	\$150,000.00	\$112,500.00
770 4567	REMOVE LIGHTING SYSTEM	1.000	EA	\$7,500.00	\$7,500.00
772 2145	FLASHING BEACON-MA MOUNTED	1.000	EA	\$48,000.00	\$48,000.00
772 2810	TEMPORARY TRAFFIC SIGNALS	2.000	EA	\$150,000.00	\$300,000.00
772 9811	TRAFFIC SIGNAL SYSTEM - SITE 1	1.000	EA	\$250,000.00	\$250,000.00
970 2010	BARON BOX ELDER MAPLE	39.000	EA	\$500.00	\$19,500.00
970 2042	PARKLAND PILLAR BIRCH	9.000	EA	\$500.00	\$4,500.00
970 2050	COMMON HACKBERRY	2.000	EA	\$500.00	\$1,000.00
970 2150	NORTHERN ACCLAIM HONEYLOCUST	10.000	EA	\$500.00	\$5,000.00

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
970 2436	HARVEST GOLD LINDEN	7.000	EA	\$500.00	\$3,500.00
970 2456	PRAIRIE EXPEDITION AMERICAN ELM	7.000	EA	\$500.00	\$3,500.00
970 2470	DISCOVERY ELM	67.000	EA	\$500.00	\$33,500.00
990 1930	FLAG POLE	2.000	EA	\$5,000.00	\$10,000.00

Subtotal **\$3,224,190.50**

Eng and Contg **\$322,419.05**

Total **\$3,546,609.55**

Length **0.4020 Miles** **WARD** **0.4020 Miles**

Construction

Estimated Cost		
		\$3,546,609.55
FEDERAL FUNDS	80.93%	\$2,870,271.10
STATE FUNDS	9.07%	\$321,677.49
CITY FUNDS	10.00%	\$354,660.96

North Dakota **FEDERAL AID**Bid Opening Date: **4/21/2017**Project Number: **NHU-4-002(115)906**PCN: **21171**Job Number: **19**English/Metric: **ENGLISH**Roadway: **URBAN****RP 906.658 TO RP 907.05**Type: **SANITARY SEWER AND WATER MAIN**Participating: **N**

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
103 0100	CONTRACT BOND	0.250	L SUM	\$20,000.00	\$5,000.00
202 0136	REMOVAL OF PAVEMENT	129.000	TON	\$18.00	\$2,322.00
202 0174	REMOVAL OF PIPE ALL TYPES AND SIZES	6,237.000	LF	\$25.00	\$155,925.00
202 0210	REMOVAL OF MANHOLES	9.000	EA	\$1,500.00	\$13,500.00
251 0300	SEEDING CLASS III	0.020	ACRE	\$2,500.00	\$50.00
253 0201	HYDRAULIC MULCH	0.020	ACRE	\$2,200.00	\$44.00
302 0100	SALVAGED BASE COURSE	248.000	TON	\$15.00	\$3,720.00
420 0111	CRS2P EMULSIFIED ASPHALT	177.000	GAL	\$3.50	\$619.50
420 0128	COVER COAT MATERIAL CL 41-M	443.000	SY	\$4.00	\$1,772.00
430 0500	COMMERCIAL GRADE HOT MIX ASPHALT	87.000	TON	\$95.00	\$8,265.00
702 0100	MOBILIZATION	0.250	L SUM	\$90,000.00	\$22,500.00
709 0151	GEOSYNTHETIC MATERIAL TYPE R1	444.000	SY	\$2.00	\$888.00
710 0255	TEMPORARY BYPASS SEWER SYSTEM	1.000	EA	\$20,000.00	\$20,000.00
722 0300	MANHOLE SANITARY	11.000	EA	\$1,500.00	\$16,500.00
722 3291	ABANDON SANITARY SEWER MANHOLE	1.000	EA	\$500.00	\$500.00
724 0270	REMOVE GATE VALVE & BOX	19.000	EA	\$150.00	\$2,850.00
724 0290	GATE VALVE & BOX 4IN	1.000	EA	\$2,200.00	\$2,200.00
724 0300	GATE VALVE & BOX 6IN	7.000	EA	\$3,000.00	\$21,000.00
724 0310	GATE VALVE & BOX 8IN	13.000	EA	\$4,500.00	\$58,500.00
724 0411	6IN HYDRANT	7.000	EA	\$4,500.00	\$31,500.00
724 0430	REMOVE HYDRANT	5.000	EA	\$300.00	\$1,500.00
724 0670	TEMPORARY WATER SERVICE	1.000	L SUM	\$25,000.00	\$25,000.00
724 0790	WATERMAIN 4IN PVC	100.000	LF	\$38.00	\$3,800.00
724 0810	WATERMAIN 6IN PVC	134.000	LF	\$48.00	\$6,432.00
724 0830	WATERMAIN 8IN PVC	2,735.000	LF	\$50.00	\$136,750.00
724 0944	CONNECTION TO EXISTING MAIN	18.000	EA	\$600.00	\$10,800.00
724 0955	WATER SERVICE CONNECTION 1IN	17.000	EA	\$500.00	\$8,500.00
724 1110	8IN SANITARY SEWER PIPE	5.000	LF	\$55.00	\$275.00
724 1115	10IN SANITARY SEWER PIPE	762.000	LF	\$60.00	\$45,720.00
724 1117	12IN SANITARY SEWER PIPE	72.000	LF	\$70.00	\$5,040.00
724 1118	15IN SANITARY SEWER PIPE	844.000	LF	\$85.00	\$71,740.00
724 1121	18IN SANITARY SEWER PIPE	580.000	LF	\$120.00	\$69,600.00
724 1190	RECONNECT TO EXISTING SANITARY SEWER SERVICE	15.000	EA	\$500.00	\$7,500.00
748 0140	CURB & GUTTER-TYPE I	89.000	LF	\$21.00	\$1,869.00
750 0100	SIDEWALK CONCRETE	38.000	SY	\$41.00	\$1,558.00
				Subtotal	\$763,739.50

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Eng and Contg **\$76,373.95**

Total **\$840,113.45**

Length **0.4020 Miles** **WARD** **0.4020 Miles**

Estimated Cost		<u>Construction</u>
		\$840,113.45
CITY FUNDS	100.00%	\$840,113.45

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Roadway: **URBAN**

RP 906.648 TO RP 907.05

Type: **STORM SEWER**

Participating: **Y**

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
722 0100	MANHOLE 48IN	2.000	EA	\$2,000.00	\$4,000.00
722 0130	MANHOLE 84IN	1.000	EA	\$7,000.00	\$7,000.00
722 0140	MANHOLE 96IN	1.000	EA	\$11,000.00	\$11,000.00
722 0428	8FT X 6FT RCB CULVERT MANHOLE	1.000	EA	\$10,000.00	\$10,000.00
722 1100	MANHOLE RISER 48IN	9.970	LF	\$250.00	\$2,492.50
722 1130	MANHOLE RISER 84IN	5.210	LF	\$600.00	\$3,126.00
722 1140	MANHOLE RISER 96IN	10.670	LF	\$900.00	\$9,603.00
722 3510	INLET-TYPE 2	2.000	EA	\$2,000.00	\$4,000.00
722 3520	INLET-TYPE 2 DOUBLE	17.000	EA	\$4,000.00	\$68,000.00
722 3700	INLET SPECIAL-TYPE 1 48IN	1.000	EA	\$1,800.00	\$1,800.00
722 3761	INLET SPECIAL-TYPE 2 60IN	1.000	EA	\$2,500.00	\$2,500.00
722 3769	INLET SPECIAL-TYPE 2 96IN	1.000	EA	\$3,500.00	\$3,500.00
722 3920	INLET SLOTTED DRAIN 18IN	30.000	LF	\$150.00	\$4,500.00
Subtotal					\$131,521.50

Type: **OPTION 1** Include in Preliminary Estimate: **YES**

REINFORCED CONCRETE PIPE

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
714 0210	PIPE CONC REINF 15IN CL III-STORM DRAIN	650.000	LF	\$35.00	\$22,750.00
714 0315	PIPE CONC REINF 18IN CL III-STORM DRAIN	346.000	LF	\$40.00	\$13,840.00
714 0620	PIPE CONC REINF 24IN CL III-STORM DRAIN	352.000	LF	\$90.00	\$31,680.00
714 1110	PIPE CONC REINF 48IN CL III-STORM DRAIN	155.000	LF	\$135.00	\$20,925.00
714 1212	PIPE CONC REINF 54IN CL III-STORM DRAIN	89.000	LF	\$155.00	\$13,795.00
714 1312	PIPE CONC REINF 60IN CL III-STORM DRAIN	23.000	LF	\$300.00	\$6,900.00
Subtotal Option 1					\$109,890.00
Subtotal					\$241,411.50
Eng and Contg					\$24,141.15
Total					\$265,552.65

Length **0.4020 Miles** **WARD** **0.4020 Miles**

Construction

Estimated Cost		\$265,552.65
FEDERAL FUNDS	50.00%	\$132,776.32
STATE FUNDS	6.00%	\$15,933.16
CITY FUNDS	44.00%	\$116,843.17

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Roadway: **URBAN**

RP 906.648 TO RP 907.05

Type: **ENHANCEMENTS**

Participating: **Y**

Spec Code	Item Description	Quantity	Unit	Unit Price	Amount
750 0030	PIGMENTED IMPRINTED CONCRETE	714.000	SY	\$85.00	\$60,690.00
770 0001	LIGHTING SYSTEM	0.250	EA	\$150,000.00	\$37,500.00
970 0001	LANDSCAPING APPURTENANCES	1.000	L SUM	\$20,000.00	\$20,000.00
Subtotal					\$118,190.00
Eng and Contg					\$11,819.00
Total					\$130,009.00

Length **0.4020 Miles** **WARD** **0.4020 Miles**

Estimated Cost	Construction
	\$130,009.00
FEDERAL FUNDS	80.93% \$105,216.28
STATE FUNDS	9.07% \$11,791.82
CITY FUNDS	10.00% \$13,000.90

Type: **SPECIAL ITEMS**

Item Description	Amount
PRELIMINARY ENGINEERING	\$650,000.00
Funding Splits:	
FEDERAL FUNDS	80.93% \$526,045.00
STATE FUNDS	9.07% \$58,955.00
CITY FUNDS	10.00% \$65,000.00
ESTIMATED COST OF RIGHT OF WAY	\$270,000.00
Funding Splits:	
FEDERAL FUNDS	80.93% \$218,511.00
STATE FUNDS	9.07% \$24,489.00
CITY FUNDS	10.00% \$27,000.00

North Dakota **FEDERAL AID**

Bid Opening Date: **4/21/2017**

Project Number: **NHU-4-002(115)906**

PCN: **21171**

Job Number: **19**

English/Metric: **ENGLISH**

Summary for Project

Length **0.4020 Miles** **WARD** **0.4020 Miles**

Estimated Total Construction Cost: **\$4,347,531.50**

Estimated Total Eng and Contg: **\$434,753.15**

	<u>Construction</u>	<u>Special Items</u>	<u>Total</u>
Estimated Cost	\$4,782,284.65	\$920,000.00	\$5,702,284.65
FEDERAL FUNDS	\$3,108,263.70	\$744,556.00	\$3,852,819.70
STATE FUNDS	\$349,402.47	\$83,444.00	\$432,846.47
CITY FUNDS	\$1,324,618.48	\$92,000.00	\$1,416,618.48

ENHANCEMENTS ARE LIMITED TO \$200,000. LANDSCAPING TREES WERE NOT INCLUDED IN ENHANCEMENTS. TREES WERE REPLACED AT A 1:1 RATIO FOR THE TREES REMOVED BY THE PROJECT. DRAINAGES FUNDING SPLITS WERE BASED ON CONTRIBUTING QS.

**REVISED PER ADDENDUM 2.
 REVISED PER ADDENDUM 3.**