



Engineering Department

DATE: March 16, 2021

FROM: Gabe Schell, City Engineer

ITEM: Pavement Marking – Interstate Ave and 26th Street – HC 125

REQUEST

Consider approval of award of Pavement Marking Safety Improvement – Interstate Avenue and 26th Street - HEU-1-981(126), HC 125.

Please place this item on the 3/23/2021 City Commission meeting agenda.

BACKGROUND INFORMATION

The North Dakota Department of Transportation (NDDOT) received bids for this project on March 12, 2021. The Board of City Commissioners approved the Cost Participation, Construction, and Maintenance Agreement with NDDOT at their February 23, 2021 meeting which outlined a federal cost participation of 90% of eligible project costs up to a maximum of \$132,884.73.

This project is included in the 2021 Capital Improvement Program with the funding source identified as sales tax for the matching costs.

A bid tabulation and project budget are attached. The NDDOT will review the low bidder's proposal to assure the Disadvantaged Business Enterprise (DBE) Program requirements have been met. Upon review, the NDDOT will advise whether or not this project may be awarded.

RECOMMENDED CITY COMMISSION ACTION

Receive bids and award HC 125 contingent upon successful review of DBE requirements and advisement by NDDOT that the project can be awarded.

STAFF CONTACT INFORMATION

Gabe Schell, PE | City Engineer, 355-1505 or gschell@bismarcknd.gov

March 15, 2021

Mr. Gabe Schell
City Engineer
PO Box 5503
Bismarck, ND 58506

PROJECT: HEU-1-981(126), PCN 23058 – BISMARCK, INTERSTATE AVE & 26TH ST

Bids for the construction on the above noted project were taken at our bid opening of March 12, 2021. A copy of the Contract Detail Estimate and Abstract of Bids are enclosed.

The low bid for Signing & Pavement Marking was submitted by Traffic Safety Services, Inc. of Bismarck, ND in the amount of \$138,010.25. According to the agreement with the City of Bismarck, the City's share is estimated to be \$18,926.55. Federal Funds obligated for this project shall not exceed 90 percent of the total eligible project cost up to a maximum of \$132,884.73. The balance of the project cost is the obligation of the City.

The Department will review the low bidder's proposal to assure that the Disadvantaged Business Enterprise Program requirements have been met. Upon review of the contractor's Disadvantaged Business Enterprise Program, the Department will advise you via email whether this project may be awarded. The City must award the contract before the Department will concur in the award, therefore, the City must notify the Department in writing as soon as possible after the award is made. Contracts cannot be executed prior to the date of the Department's concurrence.

Questions should be addressed to the Construction Services Division at 701-328-2566.



PHILLIP MURDOFF, P.E. - CONSTRUCTION SERVICES ENGINEER

80/pm/lp
Enclosure

3/15/2021

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

Page 1 of 3

North Dakota **FEDERAL AID**

Bid Opening Date: **3/12/2021**

Project Number: **HEU-1-981(126)**

PCN: **23058**

Job Number: **8**

English/Metric: **ENGLISH**

Contract with **TRAFFIC SAFETY SERVICES INC BISMARCK, ND**

Signed Date:

County(s): **BURLEIGH**

Location: **INTERSTATE AVE, 8TH ST TO GATEWAY DR; 26TH ST, FROM MAIN AVE TO BOULEVARD AVE (BISMARCK)**

North Dakota **FEDERAL AID**

Bid Opening Date: **3/12/2021**

Project Number: **HEU-1-981(126)**

PCN: **23058**

Job Number: **8**

English/Metric: **ENGLISH**

Roadway: **URBAN**

**INTERSTATE, L1687_015M 1.379 TO 1.727
 26TH ST, L1726_015M 1.215 TO 2.088**

Type: **SIGNING AND PAVEMENT MARKING**

Participating: **Y**

Spec	Code	Item Description	Quantity	Unit	Unit Price	Amount
103	0100	CONTRACT BOND	1.000	L SUM	\$750.00	\$750.00
702	0100	MOBILIZATION	1.000	L SUM	\$12,000.00	\$12,000.00
704	1000	TRAFFIC CONTROL SIGNS	248.000	UNIT	\$1.00	\$248.00
704	1060	DELINEATOR DRUMS	28.000	EA	\$1.00	\$28.00
704	1067	TUBULAR MARKERS	210.000	EA	\$1.00	\$210.00
704	1500	OBLITERATION OF PAVEMENT MARKING	2,053.000	SF	\$1.75	\$3,592.75
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	217.000	SF	\$20.00	\$4,340.00
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	268.000	LF	\$13.00	\$3,484.00
754	0592	RESET SIGN PANEL	1.000	EA	\$50.00	\$50.00
754	0593	RESET SIGN SUPPORT	1.000	EA	\$125.00	\$125.00
762	0120	PREFORMED PATTERNED PVMT MK-MESSAGE	194.000	SF	\$22.00	\$4,268.00
762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	952.000	SF	\$22.00	\$20,944.00
762	1304	PREFORMED PATTERNED PVMT MK 4IN LINE	2,331.000	LF	\$4.50	\$10,489.50
762	1305	PREFORMED PATTERNED PVMT MK 4IN LINE-GROOVED	12,258.000	LF	\$4.50	\$55,161.00
762	1307	PREFORMED PATTERNED PVMT MK 6IN LINE-GROOVED	352.000	LF	\$15.00	\$5,280.00
762	1308	PREFORMED PATTERNED PVMT MK 8IN LINE	100.000	LF	\$12.00	\$1,200.00
762	1309	PREFORMED PATTERNED PVMT MK 8IN LINE-GROOVED	660.000	LF	\$12.00	\$7,920.00
762	1324	PREFORMED PATTERNED PVMT MK 24IN LINE	66.000	LF	\$40.00	\$2,640.00
762	1325	PREFORMED PATTERNED PVMT MK 24IN LINE-GROOVED	132.000	LF	\$40.00	\$5,280.00

Subtotal **\$138,010.25**

Eng and Contg **\$13,801.03**

Total **\$151,811.28**

Length **1.6500 Miles** **BURLEIGH** **1.6500 Miles**

Construction

Estimated Cost **\$151,811.28**

HEU FEDERAL FUNDS LIMITED \$132,884.73

HEU BISMARCK CITY FUNDS 10.00% \$18,926.55

North Dakota **FEDERAL AID**

Bid Opening Date: **3/12/2021**

Project Number: **HEU-1-981(126)**

PCN: **23058**

Job Number: **8**

English/Metric: **ENGLISH**

Summary for Project

Length **1.6500 Miles** **BURLEIGH** **1.6500 Miles**

Estimated Total Construction Cost:	\$138,010.25
Estimated Total Eng and Contg:	\$13,801.03

	<u>Construction</u>	<u>Total</u>
Estimated Cost	\$151,811.28	\$151,811.28
HEU FEDERAL FUNDS	\$132,884.73	\$132,884.73
HEU BISMARCK CITY FUNDS	\$18,926.55	\$18,926.55

NDDOT TO MAKE CONTRACTOR PAYMENTS. HEU FEDERAL FUNDS FOR THIS PROJECT IS LIMITED TO \$ 132,884.73. ANY COSTS OVER THIS LIMITED AMOUNT WILL BE CITY RESPONSIBILITY.

ND DEPARTMENT OF TRANSPORTATION

SHEET NO 1 OF 1

ABSTRACT OF BIDS RECEIVED

PROJECT NO. HEU-1-981(126)	NO. 8	BIDDER ENGINEERS ESTIMATE	BIDDER TRAFFIC SAFETY SERVICES INC
COUNTY & DATE BURLEIGH (015) MAR 12, 2021 09:30AM			
LENGTH & TYPE 1.650 BISMARCK INTERSTATE AVE & 26TH ST			BISMARCK, ND
COMPLETION TIME 06/19/21 SIGNING AND PAVEMENT MARKING		c.c. CHECK RANK 00	c.c. BOND RANK 01

SPEC. NO.	ITEM DESCRIPTION	UNIT	QUANTITY	BID PRICE	AMOUNT	BID PRICE	AMOUNT	BID PRICE	AMOUNT
103	CONTRACT BOND	L SUM	1,000	5000000	5000000	750000	750000		
702	MOBILIZATION	L SUM	1,000	5000000	5000000	12000000	12000000		
704	TRAFFIC CONTROL SIGNS	UNIT	248000	5000	1240000	1000	248000		
704	DELINEATOR DRUMS	EA	28000	32000	896000	1000	28000		
704	TUBULAR MARKERS	EA	210000	15000	3150000	1000	210000		
704	OBLITERATION OF PAVEMENT MARKING	SF	2053000	10000	20530000	1750	3592750		
754	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	217000	22000	4774000	20000	4340000		
754	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	268000	20000	5360000	13000	3484000		
754	RESET SIGN PANEL	EA	1000	100000	100000	50000	50000		
754	RESET SIGN SUPPORT	EA	1000	150000	150000	125000	125000		
762	PREFORMED PATTERNED PVMT MK-MESSAGE	SF	194000	20000	3880000	22000	4268000		
762	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	SF	952000	25000	23800000	22000	20944000		
762	PREFORMED PATTERNED PVMT MK 4IN LINE	LF	2331000	3000	6993000	4500	10489500		
762	PREFORMED PATTERNED PVMT MK 4IN LINE-GROOVED	LF	12258000	3000	36774000	4500	55161000		
762	PREFORMED PATTERNED PVMT MK 6IN LINE-GROOVED	LF	352000	9000	3168000	15000	5280000		
762	PREFORMED PATTERNED PVMT MK 8IN LINE	LF	100000	10000	1000000	12000	1200000		
762	PREFORMED PATTERNED PVMT MK 8IN LINE-GROOVED	LF	660000	10000	6600000	12000	7920000		
762	PREFORMED PATTERNED PVMT MK 24IN LINE	LF	66000	22000	1452000	40000	2640000		
762	PREFORMED PATTERNED PVMT MK 24IN LINE-GROOVED	LF	132000	30000	3960000	40000	5280000		
	TOTAL				13382700		13801025		

NO LIMIT

ACTION TAKEN BY DEPARTMENT OF TRANSPORTATION AWARD TO: TRAFFIC SAFETY SERVICES INC WHEN PRELIMINARY ARRANGEMENTS ARE COMPLETED.
 Deputy Director For Engineering: 14 DATE OF AWARD DEPARTMENT OF TRANSPORTATION Deputy Director For Engineering

PROJECT BUDGET

Number	HC 125	Description	26th Street and Interstate Ave Pavement Marking
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Scheduled Start	4/1/2021	Scheduled End	6/19/2021
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Project Contracts HEU-1-981(126)

<u>Project Construction Contracts</u>	<u>Amount</u>
Traffic Safety Services, Inc -----	138,010.25
Subtotal	138,010.25
Contingencies 10%	13,801.03
Total Construction Contracts	151,811.28

<u>Other Contracts, Land Purchases, Etc.</u>	<u>Contract No.</u>	<u>Amount</u>
Subtotal		-
*Contingencies 10%		-
Total Other Contracts		-

<u>Work by Other City Departments</u>	<u>Amount</u>
NA	
Subtotal	-
*Contingencies 10%	-
Total Work by Other City Departments	-

SUMMARY

Construction Cost - No Contingencies	138,010.25
TOTAL CONSTRUCTION COST WITH CONTINGENCIES	151,811.28

Engineering	10%	-----	15,181.13
Administration	0%	-----	-
Advertising and Legal	0%	-----	-
Interest During Construction	0%	-----	-

HC 125 TOTAL PROJECT COST ----- **166,992.40**

<u>Project Funding</u>	<u>Amount</u>
Sales Tax -----	42,783.17
Federal Aid -----	124,209.23
Total Funding	166,992.40

Date 3/23/2021