

March 14th , 2022

Agenda Item # 2C
1-22 Concrete Street Paving Project

Background

The Engineering Department has reviewed and analyzed the bids from Vinton Construction and Michels Stone and Road Inc, received on March 9th, 2022 at 4:00PM for the 1-22 Concrete Street Paving Project. The Engineering Department received two bids this year and also created an engineer's estimate prior to bid opening.

Review

The Engineering Department has compared the two received bids against the engineers estimate. The bids themselves are within \$26,446.46 of each other which is a good indication that they are competitive. The higher bid (Michels) is also under the Engineers Estimate by \$33,291.50 which is another indication that the received bids are reasonable and competitive. The engineers estimate is compiled utilizing previous years' prices and adjusted for inflation and changes in work descriptions. Attached is a comparison file showing the pricing differences between the received bids and the engineer's estimate.

Recommended Action

Award Project 1-22 Concrete Street Paving to Vinton Construction, Manitowoc, WI for a total bid price of \$1,026,966.79.

BID TABULATION

PROJECT 1-22 CONCRETE STREET PAVING

UNIT A - NEW CONSTRUCTION STREETS

White Wolf Lane, Gray Squirrel Lane, Red Fox Lane, White Birch Street				Vinton Construction		Michels Road and Stone, Inc.		Engineers Estimate	
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A1	6" plain concrete pavement; Furnish and install 11730 square yards, more or less, all complete for:	11730	SY	\$34.37	\$403,160.10	\$30.57	\$358,586.10	\$32.00	\$375,360.00
A2	Fine grading for concrete pavement; Furnish 11730 square yards, more or less, all complete for:	11730	SY	\$3.00	\$35,190.00	\$2.19	\$25,688.70	\$1.50	\$17,595.00
A3	Full depth saw cutting; Furnish 100 lineal feet, more or less, all complete for:	100	LF	\$3.00	\$300.00	\$7.50	\$750.00	\$3.00	\$300.00
A4	Connect to Existing Pavement; Furnish and install, 3 each, more or less, all complete for:	3	EA	\$500.00	\$1,500.00	\$125.00	\$375.00	\$1,000.00	\$3,000.00
A5	Pavement GAP; furnish and install, 1 each, more or less, all complete for:	1	EA	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
A6	4" concrete sidewalk; Furnish and install, 18450 square feet, more or less , all complete for:	18450	SF	\$5.05	\$93,172.50	\$4.65	\$85,792.50	\$5.50	\$101,475.00
A7	6" concrete sidewalk & driveway apron; Furnish and install, 23500 square feet, more or less, all complete for:	23500	SF	\$5.60	\$131,600.00	\$5.50	\$129,250.00	\$6.00	\$141,000.00
A8	6" concrete curb ramp; Furnish and install, 700 square feet, more or less, all complete for:	700	SF	\$6.20	\$4,340.00	\$5.80	\$4,060.00	\$6.15	\$4,305.00
A9	Detectable warning fields; Furnish and install, 8 each, more or less, all complete for:	8	EA	\$300.00	\$2,400.00	\$300.00	\$2,400.00	\$300.00	\$2,400.00
A10	Furnish unclassified excavation, all complete for:	1	LS	\$30,000.00	\$30,000.00	\$22,500.00	\$22,500.00	\$45,000.00	\$45,000.00
A11	Furnish unclassified fill, all complete for:	1	LS	\$8,500.00	\$8,500.00	\$13,500.00	\$13,500.00	\$25,000.00	\$25,000.00
A12	Removal of Miscellaneous Concrete Street; Furnish and install, 10 SY, more or less, all complete for:	10	SY	\$15.00	\$150.00	\$25.00	\$250.00	\$10.00	\$770.00
A13	Removal of Concrete Street; Furnish and install, 77 SY, more or less, all complete for:	77	SY	\$10.00	\$770.00	\$80.00	\$6,160.00	\$10.00	\$770.00
A14	1 1/4" Base Coarse Material; Furnish and install, 500 tons, more or less, all complete for:	500	TON	\$0.01	\$5.00	\$21.00	\$10,500.00	\$13.50	\$6,750.00
A15	Excavation Below Subgrade (EBS); Furnish 250 cubic yards, more or less, all complete for:	250	CY	\$0.01	\$2.50	\$50.00	\$12,500.00	\$45.00	\$11,250.00
A16	Manhole Adjustments; Furnish 27 each, more or less, of manhole adjustments, all complete for:	27	EA	\$300.00	\$8,100.00	\$450.00	\$12,150.00	\$325.00	\$8,775.00
A17	Inlet adjustments; Furnish, 14 each, more or less, all complete for:	14	EA	\$300.00	\$4,200.00	\$400.00	\$5,600.00	\$325.00	\$4,550.00
A18	Sanitary manhole Cretex Classic Internal Chimney Seals; Furnish and Install, 9 each, more or less, all complete for:	9	EA	\$465.00	\$4,185.00	\$690.00	\$6,210.00	\$600.00	\$5,400.00
A19	Sanitary manhole Cretex LSS Internal Chimney Seals w/middle bands; Furnish and Install, 3 each, more or less, of , all complete for:	3	EA	\$750.00	\$2,250.00	\$500.00	\$1,500.00	\$600.00	\$1,800.00
A20	2'x3' catch basin inlet; Furnish and install, 4.3 vertical feet more or less, all complete for:	4.3	VF	\$833.00	\$3,581.90	\$600.00	\$2,580.00	\$500.00	\$2,150.00
A21	10-inch PVC storm sewer; Furnish and install, 36 lineal feet, more or less, all complete for:	36	LF	\$79.00	\$2,844.00	\$95.00	\$3,420.00	\$95.00	\$3,420.00
A22	Connect to Existing Structure, Furnish and install, 1 each, more or less, all complete for:	1	EA	\$425.00	\$425.00	\$650.00	\$650.00	\$500.00	\$500.00
A23	Type D-HR Inlet Protection; Furnish and install, 16 each, more or less, all complete for:	16	EA	\$105.00	\$1,680.00	\$125.00	\$2,000.00	\$120.00	\$1,920.00
A24	Turf Restoration; Furnish and install, 5300 square yards, more or less, all complete for:	5300	SY	\$7.00	\$37,100.00	\$10.75	\$56,975.00	\$12.50	\$66,250.00
A25	Furnish construction staking, one lump sum, all complete for:	1	LS	\$7,354.80	\$7,354.80	\$7,428.35	\$7,428.35	\$10,000.00	\$10,000.00
A26	Furnish mobilization of all necessary equipment, one lump sum, all complete for:	1	LS	\$35,000.00	\$35,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00
A27	Furnish traffic control, one lump sum, all complete for:	1	LS	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
				UNIT TOTAL					
						\$822,310.80		\$789,825.65	
								\$864,240.00	

UNIT B - RECONSTRUCTION STREETS

ISLAND STREET RECONSTRUCTION				Vinton Construction		Michels Road and Stone, Inc.		Engineers Estimate	
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
B1	8" Doweled concrete pavement; Furnish and install 1535 square yards, more or less, all complete for:	1535	SY	\$44.96	\$69,013.60	\$52.25	\$80,203.75	\$45.00	\$69,075.00
B2	Fine grading for concrete pavement; Furnish 1535 square yards, more or less, all complete for:	1535	SY	\$3.00	\$4,605.00	\$9.19	\$14,106.65	\$1.50	\$2,302.50
B3	Full depth saw cutting; Furnish 285 lineal feet, more or less, all complete for:	285	LF	\$3.00	\$855.00	\$6.00	\$1,710.00	\$3.00	\$855.00
B4	Pavement GAP; furnish and install, 2 each, more or less, all complete for:	2	EA	\$750.00	\$1,500.00	\$500.00	\$1,000.00	\$1,000.00	\$2,000.00
B5	4" concrete sidewalk; Furnish and install, 1355 square feet, more or less , all complete for:	1355	SF	\$5.40	\$7,317.00	\$5.00	\$6,775.00	\$5.50	\$15,812.50
B6	6" concrete sidewalk and driveway apron; Furnish and install, 3230 square feet, more or less, all complete for:	3230	SF	\$5.90	\$19,057.00	\$5.50	\$17,765.00	\$6.00	\$10,260.00
B7	6" concrete curb ramp; Furnish and install, 1133 square feet, more or less, all complete for:	1133	SF	\$6.30	\$7,137.90	\$5.90	\$6,684.70	\$6.15	\$4,489.50
B8	30" Concrete Curb and Gutter; furnish and install, 30 lineal feet, more or less, all complete for:	30	LF	\$40.00	\$1,200.00	\$40.00	\$1,200.00	\$30.00	\$900.00
B9	6" Pedestrian Curb; furnish and install, 40 lineal feet, more or less, all complete for:	40	LF	\$35.00	\$1,400.00	\$35.00	\$1,400.00	\$10.00	\$400.00

B10	Detectable warning fields; Furnish and install, 4 each, more or less, all complete for:	4	EA	\$300.00	\$1,200.00	\$300.00	\$1,200.00	\$300.00	\$1,200.00
B11	6" Epoxy Cross Walk Paint, Furnish and install, 300 lineal feet, more or less, all complete for:	300	LF	\$15.75	\$4,725.00	\$26.35	\$7,905.00	\$20.00	\$6,000.00
B12	Connect to Existing Pavement; Furnish and install, 2 each, more or less, all complete for:	2	EA	\$750.00	\$1,500.00	\$125.00	\$250.00	\$1,000.00	\$2,000.00
B13	Unclassified Excavation; Furnish, one lump sum, all complete for:	1	LS	\$10,000.00	\$10,000.00	\$27,000.00	\$27,000.00	\$20,000.00	\$20,000.00
B14	Unclassified fill; Furnish and install, one lump sum all complete for:	1	LS	\$5,500.00	\$5,500.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00
B15	Excavation Below Subgrade (5" Breaker Run); Furnish and install 100 CY, more or less, all complete for:	100	CY	\$42.00	\$4,200.00	\$50.00	\$5,000.00	\$50.00	\$5,000.00
B16	Rock Excavation; furnish, 2 CY, more or less, all complete for:	2	CY	\$200.00	\$400.00	\$700.00	\$1,400.00	\$500.00	\$1,000.00
B17	Geotextile fabric, Type SAS; Furnish and install, 1855 square yards, more or less, all complete for:	1855	SY	\$2.00	\$3,710.00	\$3.75	\$6,956.25	\$1.55	\$2,875.25
B18	6" of 1 1/4" Base Coarse Material over 6" of 5" Breaker Course; Furnish and install 1855 SY, more or less, all complete for:	2015	SY	\$7.70	\$15,515.50	\$14.75	\$29,721.25	\$10.00	\$20,150.00
B19	Manhole Adjustments; Furnish, 4 each, more or less, all complete for:	4	EA	\$300.00	\$1,200.00	\$450.00	\$1,800.00	\$325.00	\$1,300.00
B20	Inlet Adjustments; Furnish, 2 each, more or less, all complete for:	2	EA	\$300.00	\$600.00	\$400.00	\$800.00	\$325.00	\$650.00
B21	Sanitary manhole Cretex Classic Internal Chimney Seals; Furnish and Install, 1 each, more or less, all complete for:	1	EA	\$465.00	\$465.00	\$800.00	\$800.00	\$600.00	\$600.00
B22	Type D-HR Inlet Protection; Furnish and install, 6 each, more or less, all complete for:	6	EA	\$105.00	\$630.00	\$125.00	\$750.00	\$120.00	\$720.00
B23	8" Perforated PVC storm sewer; Furnish and install, 5 lineal feet, more or less, all complete for:	5	LF	\$108.00	\$540.00	\$125.00	\$625.00	\$75.00	\$375.00
B24	Remove, Rotate, and Reinstall Manhole Top; Furnish and install, 1 each, more or less, all complete for:	1	EA	\$1,385.00	\$1,385.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00
B25	2'x3' catch basin inlet with poured bottom; Furnish and install, 4 vertical feet, more or less, all complete for:	4	VF	\$910.00	\$3,640.00	\$650.00	\$2,600.00	\$500.00	\$2,000.00
B26	Connect to Existing Storm Sewer; Furnish and install, 1 each, more or less, all complete for:	1	EA	\$425.00	\$425.00	\$550.00	\$550.00	\$500.00	\$500.00
B27	Turf Restoration; Furnish and install, 2600 square yards, more or less, all complete for:	2600	SY	\$7.00	\$18,200.00	\$10.75	\$27,950.00	\$12.50	\$32,500.00
B28	Removal of shrubs and landscaping; furnish 25 square yards, more or less, all complete for:	1	LS	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$500.00	\$500.00
B29	Furnish construction staking, one lump sum, all complete for:	1	LS	\$1,234.99	\$1,234.99	\$1,235.00	\$1,235.00	\$1,500.00	\$1,500.00
B30	Furnish mobilization of all necessary equipment, one lump sum, all complete for:	1	LS	\$16,000.00	\$16,000.00	\$10,500.00	\$10,500.00	\$5,000.00	\$5,000.00
B31	Furnish traffic control, one lump sum, all complete for:	1	LS	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
				UNIT TOTAL	\$204,655.99	UNIT TOTAL	\$263,587.60	UNIT TOTAL	\$222,464.75
TOTAL BID (UNIT A & B) FOR PROJECT "1-22 CONCRETE STREET PAVING"					\$1,026,966.79		\$1,053,413.25		\$1,086,704.75