

Department of Engineering
Tim Bryan, P.E., County Engineer

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MEMORANDUM

September 1, 2020

To: Sheila Jones, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E.
County Engineer

Re: Rankin Road Bridge Repair

The Engineering Department recommends that the Board authorize the issuance of a purchase order to Key, LLC in the amount of \$191,802.88 for the repair of the bridge on Rankin Road just west of Sharon Road (SA #45-083). Key, LLC is the board awarded term-bidder for Bridge Construction and Repair; therefore, no additional bidding is required for the project.

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL BANKS
District Four

PAUL GRIFFIN
District Five

Rankin Road

ITEM	SOURCE	UNIT	QUANTITY	UNIT COST	COST
Mobilization per jobsite with crane	Key, LLC	LS	1.00	\$ 8,115.00	\$ 8,115.00
Remove, Reset & Grout 19-foot abutment cap	Key, LLC	EA	2.00	\$ 3,450.00	\$ 6,900.00
Remove, Reset & Grout 31-foot intermediate cap	Key, LLC	EA	2.00	\$ 3,955.00	\$ 7,910.00
Remove, Reset & Grout 19-foot Precast Bridge Span	Key, LLC	SF	950.00	\$ 16.50	\$ 15,675.00
Remove, Reset & Grout 31-foot Precast Bridge Span	Key, LLC	SF	728.50	\$ 9.75	\$ 7,102.88
Furnish & Drive "H" beam (10x42) steel piles	Key, LLC	LF	950.00	\$ 93.00	\$ 88,350.00
Extract and Dispose of Piles	Key, LLC	EA	20.00	\$ 1,000.00	\$ 20,000.00
Excavation (includes removal and disposal)	Key, LLC	CY	200.00	\$ 17.35	\$ 3,470.00
Furnish and Install borrow Material, LVM	Key, LLC	CY	200.00	\$ 20.85	\$ 4,170.00
Removal and dispose of Miscellaneous Material	Key, LLC	TON	50.00	\$ 98.45	\$ 4,922.50
Furnish & Drive Test Pile	Key, LLC	EA	1.00	\$ 7,550.00	\$ 7,550.00
Furnish and Install 300 lb. riprap (includes type V geotextile	Key, LLC	TON	100.00	\$ 81.15	\$ 8,115.00
Install precast concrete wing	Key, LLC	EA	1.00	\$ 1400.000	\$ 1,400.00
Install precast concrete barrier	Key, LLC	SF	85.50	\$ 95.000	\$ 8,122.50

TOTAL PROJECT COST = \$ 191,802.88

Key, LLC shall excavate for removal and replacement of abutments
 Madison County to handle all backfill, subgrade and asphalt
 Madison County to handle all Maintenance of Traffic
 Madison County to handle all removal or relocation of powerlines & utilities in conflict with construction (per OSHA guidelines)

Quantity of pile is based on the following

Bent #1	4 ea (1 pile excluded for test pile)	50 lf	200 lf
Bent #2	5 ea	50 lf	250 lf
Bent #3	5 ea	50 lf	250 lf
Bent #4	5 ea	50 lf	250 lf
		Total	950 lf