

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

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MEMORANDUM

March 30, 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., PTOE
County Engineer

Re: Project: NS.14280.000.001
Gluckstadt Road Improvements (January 1, 2020 to January 30, 2020)

The Engineering Department is recommending that the Board approve and authorize this payment to Joe McGee Construction Company, Inc for Gluckstadt Road Improvements, in the amount of \$177,537.06.

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL BANKS
District Four

PAUL GRIFFIN
District Five

Progress Estimate - Unit Price Work

Contractor's Application

For (Contract):		Glucksstadt Road Improvements		Application Number:		6									
Application Period:		January 1, 2020 to January 31, 2020		Application Date:		2.12.20									
A				B		C		D		E		F		G	
Bid Item No.	Item Description	Item Quantity	Contract Information			Estimated Quantity Installed	Value of Work Installed to Date	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F / B)	Balance to Finish (B - F)				
			Units	Unit Price	Total Value of Item (\$)										
201-A001	Cleaning & Grubbing	1.00	LS	\$ 135,000.00	\$ 135,000.00	1.0000	\$ 135,000.00	\$ -	\$ 135,000.00	100.00%	\$ -				
202-B007	Removal of Asphalt Pavement, All Depths	250.00	S.Y.	\$ 13.00	\$ 3,250.00	83.0000	\$ 1,066.00	\$ -	\$ 1,066.00	33.89%	\$2,184.00				
202-B052	Removal of Concrete Driveways, All Depths	570.00	S.Y.	\$ 17.00	\$ 9,690.00	339.9300	\$ 5,778.81	\$ -	\$ 5,778.81	59.64%	\$3,911.19				
202-B089	Removal of Curb &/or Curb & Gutter, All Sizes	4,775.00	L.F.	\$ 8.00	\$ 38,200.00	4,801.1300	\$ 38,409.04	\$ -	\$ 38,409.04	100.53%	-\$209.04				
202-B129	Removal of Flared End Section, All Sizes	15.00	EACH	\$ 110.00	\$ 1,650.00	9.0000	\$ 990.00	\$ -	\$ 990.00	60.00%	\$660.00				
202-B164	Removal of Inlet & Junction Box, All Types & Sizes	2.00	EACH	\$ 985.00	\$ 1,970.00	-	\$ -	\$ -	\$ -	-	\$1,970.00				
202-B191	Removal of Pipe, 3" & Above	234.00	L.F.	\$ 20.00	\$ 4,680.00	120.0000	\$ 2,400.00	\$ -	\$ 2,400.00	53.57%	\$2,080.00				
202-B208	Removal of Rip Rap	100.00	S.Y.	\$ 13.00	\$ 1,300.00	68.0000	\$ 884.00	\$ -	\$ 884.00	68.00%	\$416.00				
202-B215	Removal of Sign Including Post & Footing	8.00	EACH	\$ 65.00	\$ 520.00	-	\$ -	\$ -	\$ -	-	\$520.00				
202-B240	Removal of Traffic Stripe	28,000.00	L.F.	\$ 1.00	\$ 28,000.00	16,026.2000	\$ 16,026.20	\$ -	\$ 16,026.20	57.24%	\$11,973.80				
907-203-A500	Exploratory Excavation	50.00	C.Y.	\$ 75.00	\$ 3,750.00	37.9700	\$ 2,847.75	\$ -	\$ 2,847.75	75.94%	\$902.25				
203-EX41	Borrow Excavation, AH, LYA, Class B9-6	5,500.00	C.Y.	\$ 8.00	\$ 44,000.00	-	\$ -	\$ -	\$ -	-	\$44,000.00				
203-G002	Excess Excavation, LYA, AH	10,100.00	C.Y.	\$ 6.00	\$ 60,600.00	5,452.4800	\$ 32,714.88	\$ -	\$ 32,714.88	53.98%	\$27,885.12				
206-A001	Structure Excavation, LYA, AH	1,100.00	C.Y.	\$ 20.00	\$ 22,000.00	1,090.5439	\$ 21,810.88	\$ -	\$ 21,810.88	99.14%	\$189.12				
209-A008	Geotextile Stabilization, Type VII	500.00	S.Y.	\$ 3.50	\$ 1,750.00	317.9200	\$ 1,812.72	\$ -	\$ 1,812.72	103.58%	-\$62.72				
211-B001	Topsoil for Slope Treatment, Contractor Furnished	450.00	C.Y.	\$ 1.00	\$ 450.00	-	\$ -	\$ -	\$ -	-	\$450.00				
212-B001	Standard Ground Preparation	4,000.00	S.Y.	\$ 0.25	\$ 1,000.00	-	\$ -	\$ -	\$ -	-	\$1,000.00				
213-B001	Combination Fertilizer, 13-13-14	1.00	TON	\$ 750.00	\$ 750.00	-	\$ -	\$ -	\$ -	-	\$750.00				
216-A001	Solid Sodding	6,000.00	S.Y.	\$ 5.00	\$ 30,000.00	-	\$ -	\$ -	\$ -	-	\$30,000.00				
219-A001	Walting	100.00	KGAL	\$ 20.00	\$ 2,000.00	-	\$ -	\$ -	\$ -	-	\$2,000.00				
225-C001	Mulch, Vegetable Mulch	5.00	TON	\$ 200.00	\$ 1,000.00	-	\$ -	\$ -	\$ -	-	\$1,000.00				
226-A001	Temporary Grassing	2.00	ACRE	\$ 1,000.00	\$ 2,000.00	-	\$ -	\$ -	\$ -	-	\$2,000.00				
234-A001	Temporary Silt Fence	5,500.00	L.F.	\$ 3.00	\$ 16,500.00	1,245.0000	\$ 3,735.00	\$ -	\$ 3,735.00	22.64%	\$12,765.00				
237-A002	Wares, 20"	1,200.00	L.F.	\$ 5.50	\$ 6,600.00	960.0000	\$ 5,280.00	\$ -	\$ 5,280.00	80.00%	\$1,320.00				
246-B001	Rocks/ags	200.00	EACH	\$ 13.00	\$ 2,600.00	-	\$ -	\$ -	\$ -	-	\$2,600.00				
304-F002	Size 610 Crushed Stone Base	2,400.00	TON	\$ 67.00	\$ 160,800.00	3,259.4300	\$ 218,381.81	\$ -	\$ 218,381.81	135.81%	-\$57,581.81				
307-C002	12" Soil-Lime-Water Mixing, Class C	1,200.00	S.Y.	\$ 5.00	\$ 6,000.00	-	\$ -	\$ -	\$ -	-	\$6,000.00				
307-D001	Lime	50.00	TON	\$ 300.00	\$ 15,000.00	-	\$ -	\$ -	\$ -	-	\$15,000.00				
321-A001	12" In-Grade Preparation	1.00	LN	\$ 15,000.00	\$ 15,000.00	1.0000	\$ 15,000.00	\$ -	\$ 15,000.00	100.00%	\$ -				
403-A002	12.5-mm, MT, Asphalt Pavement	550.00	TON	\$ 108.00	\$ 59,400.00	218.6500	\$ 23,614.20	\$ -	\$ 23,614.20	39.75%	\$35,785.80				
403-A005	19-mm, MT, Asphalt Pavement	1,100.00	TON	\$ 120.00	\$ 132,000.00	369.5700	\$ 44,348.40	\$ -	\$ 44,348.40	33.60%	\$87,651.60				
403-A014	9.5-mm, MT, Asphalt Pavement	450.00	TON	\$ 118.00	\$ 53,100.00	-	\$ -	\$ -	\$ -	-	\$53,100.00				
406-A002	Cold Milling of Bituminous Pavement, All Depths	300.00	S.Y.	\$ 20.00	\$ 6,000.00	-	\$ -	\$ -	\$ -	-	\$6,000.00				
407-A001	Asphalt for Tack Coat	500.00	GAL	\$ 5.00	\$ 2,500.00	-	\$ -	\$ -	\$ -	-	\$2,500.00				

Progress Estimate - Unit Price Work

Contractor's Application

For (Contract):

Gluckstadt Road Improvements

Application Number:

6

Application Period:

January 1, 2020 to January 31, 2020

Application Date:

2/12/20

Bid Item No.	Item Description	Contract Information			Total Value of Item (\$)	Estimated Quantity Installed	Value of Work Installed to Date	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F / B)	Balance to Finish (B - F)
		Item Quantity	Units	Unit Price							
604-A003	Asphalt for Prime Coat, Emulsified Asphalt EA-1	500.00	GAL	\$ 1.00	\$ 500.00	-	\$ -	\$ -	\$ -	-	\$500.00
601-B001	Class 1B Structural Concrete, Minor Structures	95.00	C.Y.	\$ 3,000.00	\$ 285,000.00	83.9000	\$ 251,790.00	\$ -	\$ 251,790.00	88.33%	\$33,200.00
602-A001	Reinforcing Steel	8,700.00	LBS	\$ 1.00	\$ 8,700.00	7,825.3200	\$ 7,825.32	\$ -	\$ 7,825.32	89.95%	\$874.68
603-CA004	15" RCP, Class III, Rubber Type Gasket	48.00	L.F.	\$ 46.00	\$ 2,208.00	14.0000	\$ 644.00	\$ -	\$ 644.00	29.17%	\$1,564.00
603-CA012	18" RCP, Class III, Rubber Type Gasket	650.00	L.F.	\$ 55.00	\$ 35,750.00	551.0000	\$ 30,305.00	\$ -	\$ 30,305.00	84.77%	\$5,445.00
603-CA027	24" RCP, Class III, Rubber Type Gasket	832.00	L.F.	\$ 57.50	\$ 47,840.00	831.0000	\$ 47,782.50	\$ -	\$ 47,782.50	99.88%	\$57.50
603-CA056	36" RCP, Class III, Rubber Type Gasket	60.00	L.F.	\$ 92.50	\$ 5,550.00	56.0000	\$ 5,180.00	\$ -	\$ 5,180.00	93.33%	\$370.00
603-CB003	18" Reinforced Concrete End Section	4.00	EACH	\$ 600.00	\$ 2,400.00	4.0000	\$ 2,400.00	\$ -	\$ 2,400.00	100.00%	\$0.00
603-CE001	18"x11" Concrete Arch Pipe, Class A III	12.00	L.F.	\$ 68.00	\$ 816.00	12.0000	\$ 816.00	\$ -	\$ 816.00	100.00%	\$0.00
603-CE002	22"x13" Concrete Arch Pipe, Class A III	24.00	L.F.	\$ 65.00	\$ 1,560.00	10.0000	\$ 650.00	\$ -	\$ 650.00	41.67%	\$910.00
603-SB002	15" Branch Connection, Slub into Existing Inlet	3.00	EACH	\$ 1,200.00	\$ 3,600.00	3.0000	\$ 3,600.00	\$ -	\$ 3,600.00	100.00%	\$0.00
603-SB019	18" Branch Connection, Slub into Existing Inlet	17.00	EACH	\$ 1,200.00	\$ 20,400.00	17.0000	\$ 20,400.00	\$ -	\$ 20,400.00	100.00%	\$0.00
603-SB022	22"x13" Branch Connection, Slub into JB or Inlet	1.00	EACH	\$ 1,200.00	\$ 1,200.00	1.0000	\$ 1,200.00	\$ -	\$ 1,200.00	100.00%	\$0.00
603-SB043	36" Branch Connection, Slub into Inlet	1.00	EACH	\$ 1,200.00	\$ 1,200.00	1.0000	\$ 1,200.00	\$ -	\$ 1,200.00	100.00%	\$0.00
603-SB100	18"x11" Branch Connection, Slub into a JB or Inlet	2.00	EACH	\$ 1,200.00	\$ 2,400.00	2.0000	\$ 2,400.00	\$ -	\$ 2,400.00	100.00%	\$0.00
604-A001	Castings	4,000.00	LBS	\$ 1.15	\$ 4,600.00	1,975.0000	\$ 2,271.25	\$ -	\$ 2,271.25	49.38%	\$2,328.75
907-604-PP001	Modify Existing Inlet, Per Plans	23.00	EACH	\$ 1,900.00	\$ 43,700.00	23.0000	\$ 43,700.00	\$ -	\$ 43,700.00	100.00%	\$0.00
605-W001	Filter Material for Combination Storm Drain and/or Underdrain, Type A, FM	170.00	C.Y.	\$ 91.00	\$ 15,470.00	-	\$ -	\$ -	\$ -	-	\$15,470.00
612-B001	Flowable Fill, Non-Excavatable	20.00	C.Y.	\$ 160.00	\$ 3,200.00	-	\$ -	\$ -	\$ -	-	\$3,200.00
815-A006	Loose Riprap, Size 200	10.00	TON	\$ 80.00	\$ 800.00	-	\$ -	\$ -	\$ -	-	\$800.00
815-E001	Geotextile Under Rip Rap	50.00	S.Y.	\$ 3.75	\$ 187.50	-	\$ -	\$ -	\$ -	-	\$187.50
503-C010	Saw Cut, Full Depth	536.00	L.F.	\$ 18.00	\$ 9,648.00	790.0000	\$ 14,220.00	\$ -	\$ 14,220.00	147.39%	-\$4,572.00
609-DO02	Combination Curb & Gutter, Type I, Modified	5,000.00	L.F.	\$ 25.00	\$ 125,000.00	4,517.0000	\$ 112,925.00	\$ -	\$ 112,925.00	90.34%	\$12,075.00
613-A001	Adjustment of Castings, Gratings & Utility Appearances	1.00	LS	\$ 20,000.00	\$ 20,000.00	-	\$ -	\$ -	\$ -	-	\$20,000.00
619-A1002	Temporary Traffic Stripe, Continuous White	5,000.00	L.F.	\$ 0.40	\$ 2,000.00	5,647.0000	\$ 2,258.80	\$ -	\$ 2,258.80	112.94%	-\$258.80
619-A2002	Temporary Traffic Stripe, Continuous Yellow	10,500.00	L.F.	\$ 0.40	\$ 4,200.00	13,800.0000	\$ 5,520.00	\$ -	\$ 5,520.00	131.43%	-\$1,320.00
619-A3001	Temporary Traffic Stripe, Detail	200.00	L.F.	\$ 0.55	\$ 110.00	-	\$ -	\$ -	\$ -	-	\$110.00
619-A6001	Temporary Traffic Stripe, Legend	100.00	S.F.	\$ 1.00	\$ 100.00	-	\$ -	\$ -	\$ -	-	\$100.00
619-A6002	Temporary Traffic Stripe, Legend	200.00	L.F.	\$ 0.65	\$ 130.00	-	\$ -	\$ -	\$ -	-	\$130.00
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	15.00	S.F.	\$ 37.00	\$ 555.00	-	\$ -	\$ -	\$ -	-	\$555.00
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	28.00	S.F.	\$ 47.00	\$ 1,316.00	-	\$ -	\$ -	\$ -	-	\$1,316.00
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.100" Thickness	9.00	S.F.	\$ 42.00	\$ 378.00	-	\$ -	\$ -	\$ -	-	\$378.00
630-C003	Steel U-Section Posts, 3.0 Inx4	64.00	L.F.	\$ 17.00	\$ 1,088.00	-	\$ -	\$ -	\$ -	-	\$1,088.00
614-B001	Concrete Driveway, With Reinforcement	1,020.00	S.Y.	\$ 70.00	\$ 71,400.00	653.1000	\$ 46,417.00	\$ -	\$ 46,417.00	65.01%	\$24,983.00

Progress Estimate - Unit Price Work

Contractor's Application

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A				B		C		D		E		F		G	
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			Units	Unit Price	Total Value of Item (\$)								Estimated Quantity Installed	Value of Work Installed to Date	Materials Presently Stored (not in C)
618-A001	Maintenance of Traffic	1.00	LS	\$ 70,000.00	\$ 70,000.00	0.7153	\$ 50,071.00	\$ -	\$ 50,071.00	71.53%	\$19,929.00				
619-D1001	Standard Roadside Construction Signs, Less than 10 SF	400.00	S.F.	\$ 5.00	\$ 2,000.00	76.0000	\$ 380.00	\$ -	\$ 380.00	19.00%	\$1,620.00				
619-D2001	Standard Roadside Construction Signs, 10 SF or More	50.00	S.F.	\$ 5.00	\$ 250.00	250.0000	\$ 1,250.00	\$ -	\$ 1,250.00	500.00%	\$-1,000.00				
619-E1001	Flashing Arrow Panel, Type C	1.00	EACH	\$ 2,500.00	\$ 2,500.00	-	\$ -	\$ -	\$ -	-	\$2,500.00				
619-G0005	Barricades, Type III, Single Facel	208.00	L.F.	\$ 23.00	\$ 5,200.00	200.0000	\$ 5,000.00	\$ -	\$ 5,000.00	96.19%	\$200.00				
619-G3001	Free Standing Plastic Drums	600.00	EACH	\$ 37.00	\$ 22,200.00	350.0000	\$ 12,950.00	\$ -	\$ 12,950.00	58.33%	\$9,250.00				
619-G7001	Warning Lights, Type B	2.00	EACH	\$ 500.00	\$ 1,000.00	2.0000	\$ 1,000.00	\$ -	\$ 1,000.00	100.00%	\$0.00				
620-A001	Mobilization	1.00	LS	\$ 200,000.00	\$ 200,000.00	0.9000	\$ 180,000.00	\$ -	\$ 180,000.00	90.00%	\$20,000.00				
626-A004	6" Thermoplastic Traffic Stripe, Skip White	2.00	MILE	\$ 1,400.00	\$ 2,800.00	-	\$ -	\$ -	\$ -	-	\$2,800.00				
626-B003	6" Thermoplastic Traffic Stripe, Continuous White	8,000.00	L.F.	\$ 0.65	\$ 5,200.00	-	\$ -	\$ -	\$ -	-	\$5,200.00				
626-C003	6" Thermoplastic Edge Stripe, Continuous White	15,000.00	L.F.	\$ 0.60	\$ 9,000.00	-	\$ -	\$ -	\$ -	-	\$9,000.00				
626-D004	6" Thermoplastic Traffic Stripe, Skip Yellow	5,600.00	L.F.	\$ 1.25	\$ 7,000.00	-	\$ -	\$ -	\$ -	-	\$7,000.00				
626-E003	6" Thermoplastic Traffic Stripe, Continuous Yellow	15,000.00	L.F.	\$ 0.65	\$ 9,750.00	-	\$ -	\$ -	\$ -	-	\$9,750.00				
626-G002	Thermoplastic Detail Stripe, White	450.00	S.F.	\$ 1.00	\$ 450.00	-	\$ -	\$ -	\$ -	-	\$450.00				
626-H004	Thermoplastic Legend, White	700.00	S.F.	\$ 4.00	\$ 2,800.00	-	\$ -	\$ -	\$ -	-	\$2,800.00				
626-H005	Thermoplastic Legend, White	40.00	L.F.	\$ 2.00	\$ 80.00	-	\$ -	\$ -	\$ -	-	\$80.00				
627-K001	Red-Clear Reflective High Performance Raised Markers	200.00	EACH	\$ 5.00	\$ 1,000.00	-	\$ -	\$ -	\$ -	-	\$1,000.00				
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	1,500.00	EACH	\$ 4.50	\$ 6,750.00	-	\$ -	\$ -	\$ -	-	\$6,750.00				
699-A001	Roadway Construction Stakes	1.00	LS	\$ 50,000.00	\$ 50,000.00	0.7151	\$ 35,755.00	\$ -	\$ 35,755.00	71.51%	\$14,245.00				
LD	Liquored Damages	-	Day	\$ (830.00)	\$ -	-	\$ -	\$ -	\$ -	-	\$ -				
Totals						\$1,989,546.50		\$ 1,439,920.56	\$ -	\$ 1,439,920.56	73.37%	\$539,925.94			