

20th Street Bridge Rehabilitation

240 Days

STRUCTURES, INC.: Frankenmuth
Mutual Insurance Company

Contract No. 202160901

Bid Item	Description	Qty	Units	Unit Cost	Total Cost	Unit Bid	Total Bid
201-00000	Clearing and Grubbing	1	LS	\$4,000.00	\$4,000.00	\$25,164.00	\$25,164.00
202-00217	Remove Concrete Pavement (Planing) (Special)	352	SY	\$40.00	\$14,080.00	\$60.00	\$21,120.00
202-00426	Removal of Bridge Railing (Special)	420	LF	\$30.00	\$12,600.00	\$43.00	\$18,060.00
202-00450	Removal of Portions of Present Structure (Class 1)	148	SY	\$175.00	\$25,900.00	\$198.00	\$29,304.00
202-00453	Removal of Portions of Present Structure (Class 2)	148	SY	\$300.00	\$44,400.00	\$399.00	\$59,052.00
202-00460	Removal of Portions of Present Structure (Class 3)	31	SY	\$650.00	\$20,150.00	\$700.00	\$21,700.00
202-00495	Removal of Portions of Present Structure	1	LS	\$2,500.00	\$2,500.00	\$54,060.00	\$54,060.00
202-00504	Removal of Expansion Device	577	LF	\$350.00	\$201,950.00	\$435.00	\$250,995.00
202-00505	Removal of Portions of Present Structure	62	SF	\$100.00	\$6,200.00	\$206.00	\$12,772.00
202-04020	Clean Vault	1	LS	\$150,000.00	\$150,000.00	\$98,500.00	\$98,500.00
203-01597	Potholing	10	HR	\$250.00	\$2,500.00	\$330.00	\$3,300.00
203-01620	Sweeping	40	HR	\$150.00	\$6,000.00	\$118.00	\$4,720.00
208-00002	Erosion Log Type 1 (12 Inch)	751	LF	\$6.00	\$4,506.00	\$8.00	\$6,008.00
208-00020	Silt Fence	586	LF	\$4.00	\$2,344.00	\$5.00	\$2,930.00
208-00045	Concrete Washout Structure	2	EA	\$2,250.00	\$4,500.00	\$2,387.00	\$4,774.00
208-00051	Storm Drain Inlet Protection (Type I)	14	LF	\$50.00	\$700.00	\$16.00	\$224.00
208-00054	Storm Drain Inlet Protection (Type II)	5	EA	\$350.00	\$1,750.00	\$207.00	\$1,035.00
208-00070	Vehicle Tracking Pad	2	EA	\$4,000.00	\$8,000.00	\$4,717.00	\$9,434.00
208-00301	Temporary Diversion	1	LS	\$12,000.00	\$12,000.00	\$13,843.00	\$13,843.00
210-00410	Modify Bridge Expansion Device	42	EA	\$500.00	\$21,000.00	\$2,570.00	\$107,940.00
210-02804	Grinding: Sidewalk and/or Curb Ramp Repair	18	LF	\$120.00	\$2,160.00	\$449.00	\$8,082.00
211-03005	Dewatering	1	LS	\$5,000.00	\$5,000.00	\$9,480.00	\$9,480.00
212-00006	Seeding (Native)	1	AC	\$750.00	\$750.00	\$1,566.00	\$1,566.00
212-00050	Sod	16,366	SF	\$2.25	\$36,823.50	\$2.00	\$32,732.00
212-00100	Tree Retention and Protection	1	LS	\$5,000.00	\$5,000.00	\$42,792.00	\$42,792.00
216-00041	Soil Retention Blanket (Straw/Coconut)	3,225	SY	\$2.75	\$8,868.75	\$3.10	\$9,997.50
240-00000	Wildlife Biologist	40	HR	\$125.00	\$5,000.00	\$92.00	\$3,680.00
240-00010	Removal of Nests	15	HR	\$100.00	\$1,500.00	\$793.00	\$11,895.00
250-00010	Environmental Health and Safety Management	1	LS	\$5,000.00	\$5,000.00	\$6,318.00	\$6,318.00
250-00110	Health and Safety Officer	30	HR	\$130.00	\$3,900.00	\$119.00	\$3,570.00
408-01100	Joint Sealant	503	LF	\$30.00	\$15,090.00	\$34.00	\$17,102.00
509-60300	Bird Protection System	1	LS	\$40,000.00	\$40,000.00	\$155,700.00	\$155,700.00
515-00400	Concrete Sealer	3,946	SY	\$17.00	\$67,082.00	\$22.00	\$86,812.00
518-01004	Bridge Expansion Device (0-4 Inch)	541	LF	\$615.00	\$332,715.00	\$528.00	\$285,648.00
519-03035	Place Thin Bonded Overlay (Polyester Concrete)	3,105	SY	\$95.00	\$294,975.00	\$77.00	\$239,085.00
519-03055	Furnish Thin Bonded Overlay (Polyester Concrete)	2,296	CF	\$165.00	\$378,840.00	\$184.00	\$422,464.00
601-03040	Concrete Class D (Bridge)	51	CY	\$900.00	\$45,900.00	\$3,718.00	\$189,618.00
601-03057	Concrete Class DR	26	CY	\$1,500.00	\$39,000.00	\$3,453.00	\$89,778.00
601-06102	Concrete (Patching)	24	CF	\$400.00	\$9,600.00	\$260.00	\$6,240.00
601-51005	Galvanic Anodes	895	EA	\$26.00	\$23,270.00	\$32.00	\$28,640.00
602-00000	Reinforcing Steel	155	LB	\$2.00	\$310.00	\$2.20	\$341.00
602-00020	Reinforcing Steel (Epoxy Coated)	2,707	LB	\$2.50	\$6,767.50	\$3.00	\$8,121.00
606-10805	Bridge Rail Type 8 (Special)	420	LF	\$40.00	\$16,800.00	\$229.00	\$96,180.00
607-11525	Fence (Plastic)	30	LF	\$10.00	\$300.00	\$10.00	\$300.00
620-00020	Sanitary Facility	2	EA	\$2,200.00	\$4,400.00	\$1,830.00	\$3,660.00
625-00000	Construction Surveying	1	LS	\$10,000.00	\$10,000.00	\$50,760.00	\$50,760.00
626-00000	Mobilization	1	LS	\$223,000.00	\$223,000.00	\$307,500.00	\$307,500.00
626-01113	Public Information Management (Tier III)	150	DAY	\$90.00	\$13,500.00	\$83.00	\$12,450.00
627-00008	Modified Epoxy Pavement Marking	8	GAL	\$75.00	\$600.00	\$567.00	\$4,536.00
627-00070	Preformed Thermoplastic Pavement Marking	44	SF	\$16.00	\$704.00	\$27.00	\$1,188.00
630-00016	Traffic Control (Special)	1	LS	\$400,000.00	\$400,000.00	\$581,358.00	\$581,358.00
700-70380	A/A Erosion Control	1	A/A	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
700-70589	A/A Environmental Health & Safety Management	1	A/A	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
700-70600	A/A Lighting/Electrical System Repairs	1	A/A	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00

700-70700	F/A Power Line Monitoring	1	F/A	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
Add Alternate 1							
208-00301	Temporary Diversion	1	LS	\$12,000.00	\$12,000.00	\$13,843.00	\$13,843.00
211-03005	Dewatering	1	LS	\$5,000.00	\$5,000.00	\$9,480.00	\$9,480.00
509-90004	Zone Cleaning and Painting Steel Bridge	42,400	SF	\$13.00	\$551,200.00	\$29.00	\$1,229,600.00
Add Alternate 2							
509-90005	Paint Handrail	1,270	LF	\$6.50	\$8,255.00	\$55.00	\$69,850.00
				Total Engineers Estimate with Add Alts:		\$3,136,890.75	
						BID ITEMS TOTAL AMOUNT	\$3,481,028.50
						TEXTURA FEE	\$9,100.00
						TOTAL BASE BID AMOUNT	\$3,490,128.50
						ADD ALTERNATE #1	\$1,252,923.00
						ADD ALTERNATE #2	\$69,850.00
						Total Award w/Add Alternates	\$4,812,901.50