

**2019 ASPHALT REPAIRS AND RESURFACING ON RIDGE, NEW STATE AND HASBROCK ROADS**

**FEBRUARY 1, 2019 AT 10:01 A.M.**

Ref. No.	Item	Description	ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		KOKOSING CONSTRUCTION		ERIE BLACKTOP		GERKEN PAVING, INC.		PRECISION PAVING, INC.		A.J. RILEY, INC.	
			Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	103.5	Premium Contract Bond	1	LS	\$6,000.00	\$6,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 3,600.00	\$ 3,600.00	\$ 6,950.00	\$ 6,950.00	\$ 7,500.00	\$ 7,500.00
2	203	Embankment	50	CY	\$30.00	\$1,500.00	\$ 48.00	\$ 2,400.00	\$ 50.40	\$ 2,520.00	\$ 48.00	\$ 2,400.00	\$ 48.00	\$ 2,400.00	\$ 12.00	\$ 600.00
3	202	Guardrail Removed	220	FT	\$5.00	\$1,100.00	\$ 1.80	\$ 396.00	\$ 1.90	\$ 418.00	\$ 1.80	\$ 396.00	\$ 2.00	\$ 440.00	\$ 2.00	\$ 440.00
4	202	Bridge Rail Removed and Stockpiled	160	FT	\$10.00	\$1,600.00	\$ 2.40	\$ 384.00	\$ 2.55	\$ 408.00	\$ 2.40	\$ 384.00	\$ 8.00	\$ 1,280.00	\$ 2.00	\$ 320.00
5	202	Sign & Support Removal, Stockpiled	19	EA	\$50.00	\$950.00	\$ 50.00	\$ 950.00	\$ 35.00	\$ 665.00	\$ 50.00	\$ 950.00	\$ 40.00	\$ 760.00	\$ 20.00	\$ 380.00
6	253	Pavement Repair Bituminous 6" Depth, as per plan	100	SY	\$60.00	\$6,000.00	\$ 75.00	\$ 7,500.00	\$ 78.00	\$ 7,800.00	\$ 83.00	\$ 8,300.00	\$ 49.00	\$ 4,900.00	\$ 65.00	\$ 6,500.00
7	254	Pavement Planing 2", as per plan	34,200	SY	\$1.50	\$51,300.00	\$ 1.15	\$ 39,330.00	\$ 1.10	\$ 37,620.00	\$ 1.10	\$ 37,620.00	\$ 0.97	\$ 33,174.00	\$ 1.40	\$ 47,880.00
8	254	Pavement Planing 1", as per plan	6,400	SY	\$1.00	\$6,400.00	\$ 1.15	\$ 7,360.00	\$ 1.25	\$ 8,000.00	\$ 1.00	\$ 6,400.00	\$ 0.87	\$ 5,568.00	\$ 1.60	\$ 10,240.00
9	254	Patching of Planed Surface, as per plan	100	Ton	\$100.00	\$10,000.00	\$ 110.00	\$ 11,000.00	\$ 85.00	\$ 8,500.00	\$ 60.00	\$ 6,000.00	\$ 94.00	\$ 9,400.00	\$ 180.00	\$ 18,000.00
10	407	Tack Coat @ 0.1 Gal/SY, nontracking	3,450	GAL	\$3.00	\$10,350.00	\$ 2.40	\$ 8,280.00	\$ 2.35	\$ 8,107.50	\$ 2.00	\$ 6,900.00	\$ 3.75	\$ 12,937.50	\$ 2.50	\$ 8,625.00
11	407	Tack Coat @ 0.05 Gal/SY, nontracking	2,400	GAL	\$3.00	\$7,200.00	\$ 2.40	\$ 5,760.00	\$ 2.35	\$ 5,640.00	\$ 2.00	\$ 4,800.00	\$ 3.75	\$ 9,000.00	\$ 2.50	\$ 6,000.00
12	411	Stabilized Crushed Aggergate (berm)	350	CY	\$50.00	\$17,500.00	\$ 30.00	\$ 10,500.00	\$ 62.00	\$ 21,700.00	\$ 50.00	\$ 17,500.00	\$ 58.00	\$ 20,300.00	\$ 45.00	\$ 15,750.00
13	441	Asphalt Conc., Intermediate, Type 2, 1 3/4", PG64-22, as per plan	1,600	CY	\$130.00	\$208,000.00	\$ 130.00	\$ 208,000.00	\$ 124.00	\$ 198,400.00	\$ 127.00	\$ 203,200.00	\$ 129.00	\$ 206,400.00	\$ 130.00	\$ 208,000.00
14	441	Asphalt Conc., Intermediate, Type 2, 1 3/4", Intersections, PG64-22, as per plan	75	CY	\$130.00	\$9,750.00	\$ 130.00	\$ 9,750.00	\$ 124.00	\$ 9,300.00	\$ 124.00	\$ 9,300.00	\$ 129.00	\$ 9,675.00	\$ 180.00	\$ 13,500.00
15	441	Asphalt Concrete, Surface, Type 1, 1 1/4", PG64-22, as per plan	1,300	CY	\$145.00	\$188,500.00	\$ 138.00	\$ 179,400.00	\$ 144.00	\$ 187,200.00	\$ 139.00	\$ 180,700.00	\$ 153.00	\$ 198,900.00	\$ 154.00	\$ 200,200.00
16	441	Asphalt Concrete, Surface, Type 1, 1 3/4", PG64-22, as per plan (Hasbrock Rd)	350	CY	\$145.00	\$50,750.00	\$ 138.00	\$ 48,300.00	\$ 144.00	\$ 50,400.00	\$ 139.00	\$ 48,650.00	\$ 153.00	\$ 53,550.00	\$ 154.00	\$ 53,900.00
17	441	Asphalt Drive Approaches & Intersections, Type 1, as per plan	140	CY	\$200.00	\$28,000.00	\$ 138.00	\$ 19,320.00	\$ 144.00	\$ 20,160.00	\$ 235.00	\$ 32,900.00	\$ 153.00	\$ 21,420.00	\$ 200.00	\$ 28,000.00
18	441	Asph. Conc, Surface, Type 1, Variable Wdge, as per plan	15	Ton	\$300.00	\$4,500.00	\$ 138.00	\$ 2,070.00	\$ 144.00	\$ 2,160.00	\$ 465.00	\$ 6,975.00	\$ 190.00	\$ 2,850.00	\$ 200.00	\$ 3,000.00
19	517	Bridge Rail, Tubular Backup, Flush Mount Posts and Anchors, as per plan	164.0	LF	\$135.00	\$22,140.00	\$ 118.40	\$ 19,417.60	\$ 125.00	\$ 20,500.00	\$ 118.40	\$ 19,417.60	\$ 119.00	\$ 19,516.00	\$ 120.00	\$ 19,680.00
20	606	Guardrail, Type MGS Rail (no posts), as per plan	37.5	LF	\$40.00	\$1,500.00	\$ 16.80	\$ 630.00	\$ 17.70	\$ 663.75	\$ 16.80	\$ 630.00	\$ 17.00	\$ 637.50	\$ 20.00	\$ 750.00
21	606	Guardrail, Type MGS, as per plan	12.5	LF	\$40.00	\$500.00	\$ 25.20	\$ 315.00	\$ 26.50	\$ 331.25	\$ 25.20	\$ 315.00	\$ 25.50	\$ 318.75	\$ 25.00	\$ 312.50
22	606	Guardrail, Type MGS	50.0	LF	\$22.00	\$1,100.00	\$ 17.20	\$ 860.00	\$ 18.10	\$ 905.00	\$ 17.20	\$ 860.00	\$ 17.50	\$ 875.00	\$ 25.00	\$ 1,250.00
23	606	Guardrail, Type MGS Long Posts	184.0	LF	\$25.00	\$4,600.00	\$ 19.60	\$ 3,606.40	\$ 20.60	\$ 3,790.40	\$ 19.60	\$ 3,606.40	\$ 20.00	\$ 3,680.00	\$ 25.00	\$ 4,600.00
24	606	Guardrail, Type MGS Long Posts, Radius 10'	12.5	LF	\$25.00	\$312.50	\$ 24.40	\$ 305.00	\$ 25.65	\$ 320.63	\$ 24.40	\$ 305.00	\$ 25.00	\$ 312.50	\$ 25.00	\$ 312.50
25	606	Guardrail, Type MGS Long Posts, Radius 5'	12.5	LF	\$25.00	\$312.50	\$ 24.80	\$ 310.00	\$ 26.10	\$ 326.25	\$ 24.80	\$ 310.00	\$ 25.00	\$ 312.50	\$ 25.00	\$ 312.50
26	606	Guardrail Type MGS Anchor Assembly, Type T	2.0	EA	\$1,000.00	\$2,000.00	\$ 865.00	\$ 1,730.00	\$ 910.00	\$ 1,820.00	\$ 865.00	\$ 1,730.00	\$ 865.00	\$ 1,730.00	\$ 1,000.00	\$ 2,000.00
27	606	Guardrail Type MGS Anchor Assembly, Type E	2.0	EA	\$2,500.00	\$5,000.00	\$ 2,230.00	\$ 4,460.00	\$ 2,345.00	\$ 4,690.00	\$ 2,230.00	\$ 4,460.00	\$ 2,230.00	\$ 4,460.00	\$ 2,500.00	\$ 5,000.00
28	614	Maintaining Traffic	1	LS	\$15,850.00	\$15,850.00	\$ 25,850.00	\$ 25,850.00	\$ 18,500.00	\$ 18,500.00	\$ 5,360.00	\$ 5,360.00	\$ 17,000.00	\$ 17,000.00	\$ 13,000.00	\$ 13,000.00
29	614	Temp Centerline, Class II 642 Paint	6	Mile	\$400.00	\$2,400.00	\$ 350.00	\$ 2,100.00	\$ 450.00	\$ 2,700.00	\$ 100.00	\$ 600.00	\$ 425.00	\$ 2,550.00	\$ 500.00	\$ 3,000.00
30	621	Raised Pavement Markers Removed/Furnished/Installed	120	EA	\$50.00	\$6,000.00	\$ 40.00	\$ 4,800.00	\$ 50.00	\$ 6,000.00	\$ 25.00	\$ 3,000.00	\$ 40.00	\$ 4,800.00	\$ 38.00	\$ 4,560.00
31	626	Barrier Reflector, Type A2	20	EA	\$10.00	\$200.00	\$ 7.30	\$ 146.00	\$ 7.70	\$ 154.00	\$ 7.30	\$ 146.00	\$ 8.00	\$ 160.00	\$ 8.00	\$ 160.00
32	630	Ground Mounted Support, Square Posts, 730.016	240	FT	\$10.00	\$2,400.00	\$ 9.00	\$ 2,160.00	\$ 9.45	\$ 2,268.00	\$ 9.00	\$ 2,160.00	\$ 9.00	\$ 2,160.00	\$ 12.00	\$ 2,880.00
33	630	Sign Post Reflectors	19	EA	\$40.00	\$760.00	\$ 25.00	\$ 475.00	\$ 26.25	\$ 498.75	\$ 45.00	\$ 855.00	\$ 25.00	\$ 475.00	\$ 40.00	\$ 760.00
34	630	Sign, Flat Sheet (36" Stop, 10 Ea.)	75	SF	\$25.00	\$1,875.00	\$ 16.00	\$ 1,200.00	\$ 17.00	\$ 1,275.00	\$ 19.00	\$ 1,425.00	\$ 16.00	\$ 1,200.00	\$ 20.00	\$ 1,500.00
35	630	Sign, Flat Sheet (36" Stop Ahead, 9 Ea.)	81	SF	\$25.00	\$2,025.00	\$ 16.00	\$ 1,296.00	\$ 17.00	\$ 1,377.00	\$ 21.00	\$ 1,701.00	\$ 16.00	\$ 1,296.00	\$ 20.00	\$ 1,620.00
36	630	Signs (OPWC), As Per Plan	4	EA	\$250.00	\$1,000.00	\$ 395.00	\$ 1,580.00	\$ 415.00	\$ 1,660.00	\$ 300.00	\$ 1,200.00	\$ 395.00	\$ 1,580.00	\$ 500.00	\$ 2,000.00
37	624	Mobilization	1	LS	\$5,000.00	\$5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 9,500.00	\$ 9,500.00	\$ 15,000.00	\$ 15,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
38	642	Center Line	3.5	Mile	\$1,200.00	\$4,200.00	\$ 721.00	\$ 2,523.50	\$ 760.00	\$ 2,660.00	\$ 1,000.00	\$ 3,500.00	\$ 900.00	\$ 3,150.00	\$ 725.00	\$ 2,537.50
39	642	Edge Line	7	Mile	\$800.00	\$5,600.00	\$ 494.00	\$ 3,458.00	\$ 520.00	\$ 3,640.00	\$ 550.00	\$ 3,850.00	\$ 500.00	\$ 3,500.00	\$ 500.00	\$ 3,500.00
40	644	Thermoplastic Pavement Marking Stop Bar	74	LF	\$15.00	\$1,110.00	\$ 12.00	\$ 888.00	\$ 12.60	\$ 932.40	\$ 25.00	\$ 1,850.00	\$ 12.50	\$ 925.00	\$ 12.00	\$ 888.00
41	Spec.	Butt Joints	8	EA	\$200.00	\$1,600.00	\$ 150.00	\$ 1,200.00	\$ 760.00	\$ 6,080.00	\$ 430.00	\$ 3,440.00	\$ 400.00	\$ 3,200.00	\$ 200.00	\$ 1,600.00
42	Spec.	Contingencies	1	LS	\$9,389.00	\$9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00	\$ 9,389.00
					<b>Base Bid Total</b>	<b>\$705,424.00</b>		<b>\$ 671,899.50</b>		<b>\$ 671,979.93</b>		<b>\$ 671,385.00</b>		<b>\$ 685,131.75</b>		<b>\$ 715,447.00</b>

ALTERNATE #1:				ENGINEER'S ESTIMATE		KOKOSING CONSTRUCTION		ERIE BLACKTOP		GERKEN PAVING, INC.		PRECISION PAVING, INC.		A.J. RILEY, INC.		
Ref.	Item	Description	Quant.	Unit	Price	Costs	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
43	254	Pavement Planing 1", as per plan	3,300	SY	\$1.00	\$3,300.00	\$ 1.15	\$ 3,795.00	\$ 1.25	\$ 4,125.00	\$ 1.03	\$ 3,399.00	\$ 0.87	\$ 2,871.00	\$ 2.00	\$ 6,600.00
44	254	Patching of Planed Surface, as per plan	20	TON	\$100.00	\$2,000.00	\$ 110.00	\$ 2,200.00	\$ 85.00	\$ 1,700.00	\$ 60.00	\$ 1,200.00	\$ 94.00	\$ 1,880.00	\$ 200.00	\$ 4,000.00
45	407	Tack Coat @ 0.1 Gal/SY, nontracking	330	GAL	\$3.00	\$990.00	\$ 2.40	\$ 792.00	\$ 2.35	\$ 775.50	\$ 2.00	\$ 660.00	\$ 3.75	\$ 1,237.50	\$ 2.50	\$ 825.00
46	441	Asphalt Concrete, Surface, Type 1, 1 1/4", PG64-22, as per plan	130	CY	\$145.00	\$18,850.00	\$ 138.00	\$ 17,940.00	\$ 144.00	\$ 18,720.00	\$ 165.00	\$ 21,450.00	\$ 153.00	\$ 19,890.00	\$ 154.00	\$ 20,020.00
47	441	Asphalt Drive Approaches, Type 1, as per plan	6	CY	\$200.00	\$1,200.00	\$ 138.00	\$ 828.00	\$ 144.00	\$ 864.00	\$ 600.00	\$ 3,600.00	\$ 153.00	\$ 918.00	\$ 200.00	\$ 1,200.00
48	614	Maintaining Traffic	1	LS	\$1,000.00	\$1,000.00	\$ 3,900.00	\$ 3,900.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00	\$ 600.00	\$ 600.00	\$ 1,500.00	\$ 1,500.00
49	614	Temp Centerline, Class II 642 Paint	0.23	Mile	\$400.00	\$92.00	\$ 350.00	\$ 80.50	\$ 2,100.00	\$ 483.00	\$ 900.00	\$ 207.00	\$ 2,000.00	\$ 460.00	\$ 2,000.00	\$ 460.00
50	630	Signs (OPWC) As Per Plan	2	EA	\$250.00	\$500.00	\$ 395.00	\$ 790.00	\$ 415.00	\$ 830.00	\$ 300.00	\$ 600.00	\$ 395.00	\$ 790.00	\$ 500.00	\$ 1,000.00
51	642	Center Line	0.23	Mile	\$1,200.00	\$276.00	\$ 721.00	\$ 165.83	\$ 760.00	\$ 174.80	\$ 1,000.00	\$ 230.00	\$ 2,250.00	\$ 517.50	\$ 725.00	\$ 166.75
52	642	Edge Line	0.46	Mile	\$800.00	\$368.00	\$ 494.00	\$ 227.24	\$ 520.00	\$ 239.20	\$ 550.00	\$ 253.00	\$ 1,500.00	\$ 690.00	\$ 500.00	\$ 230.00
53	Spec.	Butt Joints	4	EA	\$500.00	\$2,000.00	\$ 150.00	\$ 600.00	\$ 625.00	\$ 2,500.00	\$ 675.00	\$ 2,700.00	\$ 500.00	\$ 2,000.00	\$ 200.00	\$ 800.00
					<b>Alternate #1 Bid Total =</b>	<b>\$30,576.00</b>		<b>\$ 31,318.57</b>		<b>\$ 32,411.50</b>		<b>\$ 36,799.00</b>		<b>\$ 31,854.00</b>		<b>\$ 36,801.75</b>
					<b>Base Bid + Alternate #1 Bid Total</b>	<b>\$736,000.00</b>		<b>\$ 703,218.07</b>		<b>\$ 704,391.43</b>		<b>\$ 708,184.00</b>		<b>\$ 716,985.75</b>		<b>\$ 752,248.75</b>