

BCBC Engineer's Estimate

MILLING AND RESURFACING (BCBC 202107)

Item #	Description	Quantity	Unit	BCBC ENGINEERS EST		AMERICAN ASPHALT		AP CONSTRUCTION		EARLE ASPHALT		SOUTH STATE	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1.105	AS-Built Drawings	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
2.151	Bond	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 16,607.15	\$ 16,607.15	\$ 26,320.00	\$ 26,320.00	\$ 4,500.00	\$ 4,500.00	\$ 7,725.65	\$ 7,725.65
3.152	Insurance	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 5,517.30	\$ 5,517.30	\$ 16,800.00	\$ 16,800.00	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00
4.154	Mobilization	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 21,770.58	\$ 21,770.58	\$ 251,000.00	\$ 251,000.00	\$ 286,527.53	\$ 286,527.53	\$ 125,000.00	\$ 125,000.00
4A.159	Traffic Control	1	LS	\$ 100,000.00	\$ 100,000.00	\$ 108,000.00	\$ 108,000.00	\$ 235,525.00	\$ 235,525.00	\$ 150,000.00	\$ 150,000.00	\$ 50,000.00	\$ 50,000.00
5.201	Clearing Site, Tacony-Palmyra Bridge	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 143,960.00	\$ 143,960.00	\$ 50,000.00	\$ 50,000.00	\$ 70,000.00	\$ 70,000.00	\$ 1,000.00	\$ 1,000.00
6.201	Clearing Site, Burlington-Bristol Bridge	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 59,500.00	\$ 59,500.00	\$ 25,000.00	\$ 25,000.00	\$ 35,000.00	\$ 35,000.00	\$ 1,000.00	\$ 1,000.00
7.202	Excavation, Unclassified	500	CY	\$ 20.00	\$ 10,000.00	\$ 47.50	\$ 23,750.00	\$ 89.00	\$ 44,500.00	\$ 76.00	\$ 38,000.00	\$ 50.00	\$ 25,000.00
8.302	Dense-graded Aggregate Base Course 6" Thick	1,350	SY	\$ 25.00	\$ 33,750.00	\$ 11.75	\$ 15,862.50	\$ 17.00	\$ 22,950.00	\$ 13.00	\$ 17,550.00	\$ 15.00	\$ 20,250.00
9.302	Dense-graded Aggregate Base Course 8" Thick	40	SY	\$ 35.00	\$ 1,400.00	\$ 46.00	\$ 1,840.00	\$ 28.00	\$ 1,120.00	\$ 26.50	\$ 1,060.00	\$ 40.00	\$ 1,600.00
10.401	HMA Milling, 3" or less	47,700	SY	\$ 5.00	\$ 238,500.00	\$ 3.35	\$ 159,795.00	\$ 5.60	\$ 267,120.00	\$ 5.35	\$ 255,195.00	\$ 5.00	\$ 238,500.00
11.401	Hot Mix Asphalt Pavement Repair	500	SY	\$ 100.00	\$ 50,000.00	\$ 91.55	\$ 45,775.00	\$ 140.00	\$ 70,000.00	\$ 35.00	\$ 17,500.00	\$ 75.00	\$ 37,500.00
12.401	Sawing & Sealing Joints in Hot Mix Overlay	22,500	LF	\$ 2.00	\$ 45,000.00	\$ 2.75	\$ 61,875.00	\$ 3.65	\$ 82,125.00	\$ 1.80	\$ 40,500.00	\$ 3.00	\$ 67,500.00
13.401	Tack Coat	5,235	GAL	\$ 2.50	\$ 13,087.50	\$ 4.50	\$ 23,557.50	\$ 1.00	\$ 5,235.00	\$ 0.01	\$ 52.35	\$ 0.01	\$ 52.35
14.401	Polymerized Joint Adhesive	18,225	LF	\$ 2.50	\$ 45,562.50	\$ 1.50	\$ 27,337.50	\$ 3.00	\$ 54,675.00	\$ 0.75	\$ 13,668.75	\$ 10.00	\$ 182,250.00
15.401	HOT MIX ASPHALT 12.5M64 SURFACE COURSE, 2" THICK	5,434	TONS	\$ 125.00	\$ 679,250.00	\$ 97.35	\$ 528,999.90	\$ 140.00	\$ 760,760.00	\$ 112.00	\$ 608,608.00	\$ 150.00	\$ 815,100.00
15A.401	HOT MIX ASPHALT 12.5H64 SURFACE COURSE, 2" THICK	300	TONS	\$ 125.00	\$ 37,500.00	\$ 145.00	\$ 43,500.00	\$ 180.00	\$ 54,000.00	\$ 147.00	\$ 44,100.00	\$ 150.00	\$ 45,000.00
16.401	HOT MIX ASPHALT 19M64 BASE COURSE, 4" THICK	300	TONS	\$ 150.00	\$ 45,000.00	\$ 88.36	\$ 26,490.00	\$ 147.00	\$ 44,100.00	\$ 140.00	\$ 42,000.00	\$ 350.00	\$ 105,000.00
17.401	HOT MIX ASPHALT 19M64 BASE COURSE, 7" THICK	20	TONS	\$ 150.00	\$ 3,000.00	\$ 157.65	\$ 3,153.00	\$ 1,000.00	\$ 20,000.00	\$ 97.50	\$ 1,950.00	\$ 500.00	\$ 10,000.00
18.452	Reconstruct Joints in Concrete Pavement	700	LF	\$ 500.00	\$ 350,000.00	\$ 8.75	\$ 6,125.00	\$ 50.00	\$ 35,000.00	\$ 350.00	\$ 245,000.00	\$ 10.00	\$ 7,000.00
19.452	Partial Depth Concrete Repair	20	SY	\$ 1,000.00	\$ 20,000.00	\$ 633.80	\$ 12,676.00	\$ 760.00	\$ 15,200.00	\$ 340.00	\$ 6,800.00	\$ 1,500.00	\$ 30,000.00
20.453	Full Depth Concrete Pavement Repair, Concrete Class B	615	SY	\$ 150.00	\$ 92,250.00	\$ 633.80	\$ 389,787.00	\$ 425.00	\$ 261,375.00	\$ 450.00	\$ 276,750.00	\$ 145.00	\$ 89,175.00
21.453	Concrete Pavement Repair Prior to Overlay	200	SY	\$ 100.00	\$ 20,000.00	\$ 413.05	\$ 82,610.00	\$ 400.00	\$ 80,000.00	\$ 450.00	\$ 90,000.00	\$ 115.00	\$ 23,000.00
22.455	Sealing Existing Joints in Concrete Pavement	14,420	LF	\$ 2.00	\$ 28,840.00	\$ 4.35	\$ 62,727.00	\$ 3.00	\$ 43,260.00	\$ 5.00	\$ 72,100.00	\$ 3.00	\$ 43,260.00
23.602	Reset Existing Casting	5	UNIT	\$ 1,500.00	\$ 7,500.00	\$ 1,092.75	\$ 5,463.75	\$ 1,075.00	\$ 5,375.00	\$ 800.00	\$ 4,000.00	\$ 750.00	\$ 3,750.00
24.602	Bicycle Safe Grate	15	UNIT	\$ 500.00	\$ 7,500.00	\$ 573.70	\$ 8,605.50	\$ 997.00	\$ 14,955.00	\$ 300.00	\$ 4,500.00	\$ 350.00	\$ 5,250.00
25.602	Inlet Curb Piece, Type "n"	5	UNIT	\$ 250.00	\$ 1,250.00	\$ 573.70	\$ 2,868.50	\$ 2,274.00	\$ 11,370.00	\$ 650.00	\$ 3,250.00	\$ 250.00	\$ 1,250.00
26.602	Retrofit Inlet Faceplate	10	UNIT	\$ 150.00	\$ 1,500.00	\$ 437.10	\$ 4,371.00	\$ 269.00	\$ 2,690.00	\$ 450.00	\$ 4,500.00	\$ 200.00	\$ 2,000.00
27.603	Reprap Stone Slope Protection, 12" Thick (D50=6")	2	SY	\$ 100.00	\$ 200.00	\$ 218.55	\$ 437.10	\$ 3,203.00	\$ 6,406.00	\$ 400.00	\$ 800.00	\$ 350.00	\$ 700.00
28.606	Reset Concrete Pavers, Sidewalk	200	SY	\$ 250.00	\$ 50,000.00	\$ 153.00	\$ 30,600.00	\$ 282.00	\$ 56,400.00	\$ 175.00	\$ 35,000.00	\$ 315.00	\$ 63,000.00
29.606	Concrete Sidewalk, 4" Thick	550	SY	\$ 100.00	\$ 55,000.00	\$ 128.95	\$ 70,922.50	\$ 118.00	\$ 64,900.00	\$ 100.00	\$ 55,000.00	\$ 85.00	\$ 46,750.00
30.606	Detectabl Warning Surface	2	SY	\$ 500.00	\$ 1,000.00	\$ 458.95	\$ 917.90	\$ 504.00	\$ 1,008.00	\$ 130.00	\$ 260.00	\$ 1,500.00	\$ 3,000.00
31.606	Concrete Driveway, 6" Thick	40	SY	\$ 300.00	\$ 12,000.00	\$ 133.30	\$ 5,332.00	\$ 139.00	\$ 5,560.00	\$ 150.00	\$ 6,000.00	\$ 100.00	\$ 4,000.00
32.607	9" X 18" Concrete Vertical Curb	3,000	LF	\$ 50.00	\$ 150,000.00	\$ 48.10	\$ 144,300.00	\$ 95.00	\$ 285,000.00	\$ 51.50	\$ 154,500.00	\$ 35.00	\$ 105,000.00
33.607	12" X 3" Concrete Sloping Curb, Dowelled	150	LF	\$ 75.00	\$ 11,250.00	\$ 52.45	\$ 7,867.50	\$ 64.00	\$ 9,600.00	\$ 80.00	\$ 12,000.00	\$ 35.00	\$ 5,250.00
34.607	Concrete Wheel Stop	30	UNIT	\$ 250.00	\$ 7,500.00	\$ 87.50	\$ 2,625.00	\$ 95.00	\$ 2,850.00	\$ 100.00	\$ 3,000.00	\$ 80.00	\$ 2,400.00
35.607	24" X 36" Concrete Barrier Curb	8	LF	\$ 400.00	\$ 3,200.00	\$ 183.60	\$ 1,468.80	\$ 1,680.00	\$ 13,440.00	\$ 750.00	\$ 6,000.00	\$ 500.00	\$ 4,000.00
36.609	Beam Guide Rail	400	LF	\$ 50.00	\$ 20,000.00	\$ 61.20	\$ 24,480.00	\$ 63.00	\$ 25,200.00	\$ 38.00	\$ 15,200.00	\$ 30.00	\$ 12,000.00
37.609	Modified Thrie Beam Guide Rail	100	LF	\$ 75.00	\$ 7,500.00	\$ 127.85	\$ 12,785.00	\$ 131.00	\$ 13,100.00	\$ 80.00	\$ 8,000.00	\$ 70.00	\$ 7,000.00
38.609	Beam Guide Rail Anchorage	2	UNIT	\$ 2,500.00	\$ 5,000.00	\$ 2,436.85	\$ 4,873.70	\$ 2,500.00	\$ 5,000.00	\$ 1,100.00	\$ 2,200.00	\$ 1,000.00	\$ 2,000.00
39.609	Removal Of Beam Guide Rail	500	LF	\$ 10.00	\$ 5,000.00	\$ 5.45	\$ 2,725.00	\$ 5.60	\$ 2,800.00	\$ 1.00	\$ 500.00	\$ 1.00	\$ 500.00
39A.609	Beam Guide Rail Post	5	UNIT	\$ 250.00	\$ 1,250.00	\$ 212.00	\$ 1,060.00	\$ 217.00	\$ 1,085.00	\$ 100.00	\$ 500.00	\$ 90.00	\$ 450.00
40.609	Bollard w/ Sleeve	10	UNIT	\$ 1,000.00	\$ 10,000.00	\$ 874.20	\$ 8,742.00	\$ 2,016.00	\$ 20,160.00	\$ 700.00	\$ 7,000.00	\$ 650.00	\$ 6,500.00
41.61	Traffic Stripes 4" Epoxy Resin	2,740	LF	\$ 2.00	\$ 5,480.00	\$ 0.80	\$ 2,192.00	\$ 1.15	\$ 3,151.00	\$ 0.80	\$ 2,192.00	\$ 0.75	\$ 2,055.00
42.61	Traffic Stripes 6" Epoxy Resin	300	LF	\$ 2.50	\$ 750.00	\$ 1.25	\$ 375.00	\$ 2.00	\$ 600.00	\$ 1.15	\$ 345.00	\$ 1.15	\$ 345.00
43.61	Traffic Stripes 8" Epoxy Resin	1,700	LF	\$ 3.00	\$ 5,100.00	\$ 1.65	\$ 2,805.00	\$ 2.25	\$ 3,825.00	\$ 1.75	\$ 2,975.00	\$ 1.50	\$ 2,550.00
44.61	Traffic Stripes 12" Epoxy Resin	60	LF	\$ 3.50	\$ 210.00	\$ 3.25	\$ 195.00	\$ 3.40	\$ 204.00	\$ 3.25	\$ 195.00	\$ 3.00	\$ 180.00
45.61	Traffic Stripes 16" Epoxy Resin	1,100	LF	\$ 4.00	\$ 4,400.00	\$ 6.55	\$ 7,205.00	\$ 6.75	\$ 7,425.00	\$ 6.50	\$ 7,150.00	\$ 6.00	\$ 6,600.00
46.61	Traffic Marking Lines, 4" Thermoplastic	52,360	LF	\$ 2.50	\$ 130,900.00	\$ 0.65	\$ 34,034.00	\$ 1.00	\$ 52,360.00	\$ 0.70	\$ 36,652.00	\$ 1.00	\$ 52,360.00
47.61	Traffic Marking Lines, 6" Thermoplastic	2,300	LF	\$ 3.00	\$ 6,900.00	\$ 1.00	\$ 2,300.00	\$ 1.20	\$ 2,760.00	\$ 1.00	\$ 2,300.00	\$ 1.00	\$ 2,300.00
48.61	Traffic Marking Lines 8" Thermoplastic	17,500	LF	\$ 5.00	\$ 87,500.00	\$ 1.30	\$ 22,750.00	\$ 1.60	\$ 28,000.00	\$ 1.25	\$ 21,875.00	\$ 1.20	\$ 21,000.00
49.61	Traffic Marking Lines, 12" Thermoplastic	2,500	LF	\$ 6.00	\$ 15,000.00	\$ 2.00	\$ 5,000.00	\$ 2.35	\$ 5,875.00	\$ 2.00	\$ 5,000.00	\$ 1.80	\$ 4,500.00
50.61	Traffic Marking Lines, 16" Thermoplastic	2,400	LF	\$ 8.00	\$ 19,200.00	\$ 2.65	\$ 6,360.00	\$ 3.15	\$ 7,560.00	\$ 2.50	\$ 6,000.00	\$ 2.40	\$ 5,760.00
51.61	Traffic Marking Lines 24" Thermoplastic	1,300	LF	\$ 10.00	\$ 13,000.00	\$ 3.95	\$ 5,135.00	\$ 4.70	\$ 6,110.00	\$ 3.75	\$ 4,875.00	\$ 3.60	\$ 4,680.00
52.61	Traffic Markings, Symbols	2,850	SG	\$ 10.00	\$ 28,500.00	\$ 7.65	\$ 21,802.50	\$ 7.85	\$ 22,372.50	\$ 8.00	\$ 22,800.00	\$ 7.00	\$ 19,950.00

BCBC Engineer's Estimate

MILLING AND RESURFACING (BCBC 202107)

Item #	Description	Quantity	Unit	BCBC ENGINEERS EST		AMERICAN ASPHALT		AP CONSTRUCTION		EARLE ASPHALT		SOUTH STATE	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
53.61	RPM, Mono-Directional, White Lens	450	UNIT	\$ 50.00	\$ 22,500.00	\$ 39.35	\$ 17,707.50	\$ 34.00	\$ 15,300.00	\$ 40.00	\$ 18,000.00	\$ 36.00	\$ 16,200.00
54.61	RPM, Mono-Directional, Amber Lens	280	UNIT	\$ 50.00	\$ 14,000.00	\$ 39.35	\$ 11,018.00	\$ 34.00	\$ 9,520.00	\$ 40.00	\$ 11,200.00	\$ 36.00	\$ 10,080.00
55.61	Removal of RPM	150	UNIT	\$ 20.00	\$ 3,000.00	\$ 23.95	\$ 3,592.50	\$ 11.20	\$ 1,680.00	\$ 21.00	\$ 3,150.00	\$ 75.00	\$ 11,250.00
56.61	Removal& Replacement of RPM Lens	550	UNIT	\$ 25.00	\$ 13,750.00	\$ 22.95	\$ 12,622.50	\$ 22.40	\$ 12,320.00	\$ 25.00	\$ 13,750.00	\$ 21.00	\$ 11,550.00
57.61	Flexible Delineator, Ground Mounted	80	UNIT	\$ 250.00	\$ 20,000.00	\$ 191.25	\$ 15,300.00	\$ 218.40	\$ 17,472.00	\$ 90.00	\$ 7,200.00	\$ 80.00	\$ 6,400.00
58.61	Removal of Traffic Stripes	41,200	LF	\$ 1.00	\$ 41,200.00	\$ 0.77	\$ 31,724.00	\$ 1.00	\$ 41,200.00	\$ 0.85	\$ 35,020.00	\$ 0.70	\$ 28,840.00
59.612	Regulatory & Warning Sign	1,110	SF	\$ 50.00	\$ 55,500.00	\$ 43.75	\$ 48,562.50	\$ 31.50	\$ 34,965.00	\$ 45.00	\$ 49,950.00	\$ 38.00	\$ 42,180.00
60.702	Loop Detector	100	LF	\$ 10.00	\$ 1,000.00	\$ 71.00	\$ 7,100.00	\$ 95.00	\$ 9,500.00	\$ 80.00	\$ 8,000.00	\$ 65.00	\$ 6,500.00
61.702	Looper Detector Cable	100	LF	\$ 10.00	\$ 1,000.00	\$ 21.85	\$ 2,185.00	\$ 3.10	\$ 310.00	\$ 25.00	\$ 2,500.00	\$ 20.00	\$ 2,000.00
62.805	Turf Repair Strip	2,650	LF	\$ 5.00	\$ 13,250.00	\$ 5.56	\$ 14,972.50	\$ 5.05	\$ 13,382.50	\$ 7.75	\$ 20,537.50	\$ 10.00	\$ 26,500.00
63.806	Fertilizing & Seeding, Type A	600	SY	\$ 5.00	\$ 3,000.00	\$ 0.35	\$ 210.00	\$ 2.24	\$ 1,344.00	\$ 1.25	\$ 750.00	\$ 5.00	\$ 3,000.00
64.809	Straw Mulching	700	SY	\$ 2.50	\$ 1,750.00	\$ 0.25	\$ 175.00	\$ 1.30	\$ 910.00	\$ 0.75	\$ 525.00	\$ 0.01	\$ 7.00
				\$ 2,893,680.00		\$ 2,487,983.68		\$ 3,312,110.00		\$ 2,925,513.13		\$ 2,491,000.00	