

Table 1

Summary of Hotspot Parking Capital Costs 9-28-2020		
Emma Blvd etc.	\$487,791 (44 Stalls) \$11,086 per Stall	
	7 Streets	9 Streets
Stamped Concrete Downtown	\$4,348,102 (109 Stalls)	\$6,765,406 (144 Stalls)
	\$39,891 per Stall	\$46,982 per Stall
Incl. Emma Blvd	\$4,835,893 (153 Stalls)	\$7,253,197 (188 Stalls)
	\$31,607 per Stall	\$38,581 per Stall
Regular Concrete Downtown	\$3,855,511 (109 Stalls)	\$6,056,690 (144 Stalls)
	\$35,372 per Stall	\$42,060 per Stall
Incl. Emma Blvd	\$4,343,302 (153 Stalls)	\$6,544,480 (188 Stalls)
	\$28,388 per Stall	\$34,811 per Stall
Asphalt Downtown	\$3,061,425 (109 Stalls)	\$4,899,600 (144 Stalls)
	\$28,086 per Stall	\$34,025 per Stall
Incl. Emma Blvd	\$3,549,216 (153 Stalls)	\$5,387,391 (188 Stalls)
	\$23,197 per Stall	\$28,656 per Stall

Table 2

Emma Blvd On-street/Dispersed Parking Capital Cost Estimate 9-28-2020

Item	Description	Unit	Unit Cost	Maxine Ave (24 Stalls)		Minnie Lee Blvd (4 Stalls)		Emma Parking Lot (16 Stalls)		Total Cost (44 Stalls)
				Quantity	Cost	Quantity	Cost	Quantity	Cost	
1	Mobilization	LS	10%	1.0	\$10,549	1.0	\$14,799	1.0	\$6,526	\$31,874
2	Traffic Control	LS	5%	1.0	\$5,274	1.0	\$7,400	1.0	\$3,263	\$15,937
3	Construction Layout and Staking	LS	0.5%	1.0	\$527	1.0	\$740	1.0	\$326	\$1,594
4	Asphalt (4" thick)	TON	\$107.37	342.0	\$36,719	403.8	\$43,354	226.1	\$24,274	\$104,348
5	Granular Borrow (4" thick)	CY	\$30.00	174.6	\$5,239	206.5	\$6,195	115.6	\$3,468	\$14,902
6	Untreated Base Course (8" thick)	CY	\$40.00	348.9	\$13,957	412.6	\$16,503	231.0	\$9,240	\$39,699
7	Sidewalk	SF	\$7.95	3010.4	\$23,932	0.0	\$0	823.3	\$6,545	\$30,477
8	Type A Curb and Gutter	LF	\$37.00	517.1	\$19,131	1606.4	\$59,437	512.8	\$18,973	\$97,541
9	Detectable Warning Surfaces (2x4 feet)	EA	\$913.56	2.0	\$1,827	20.0	\$18,271	0.0	\$0	\$20,098
10	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975	\$2,925
11	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000	1.0	\$1,000	\$3,000
12	Pavement Marking-Thermoplastic Messages	EA	\$375.00	7.0	\$2,625	6.0	\$2,250	2.0	\$750	\$5,625
13	Pavement Marking	GAL	\$24.00	3.5	\$84	0.3	\$8	1.3	\$32	\$124
14	Aesthetic Treatments (Green Infrastructure) (7382 sf)	LS	6%	1.0	\$7,310.44	1.0	\$10,255.84	1.0	\$4,522.37	\$22,088.64
15	Contingency	LS	25%	1.0	\$32,287.77	1.0	\$45,296.61	1.0	\$19,973.80	\$97,558.18
TOTAL AREA COST					\$161,439		\$226,483		\$99,869	\$487,791
COST PER STALL					\$6,727		\$56,621		\$6,242	\$11,086

Table 3
Downtown Parking Capital Cost Estimate 9-28-2020
Stamped Concrete

Item	Description	Unit	Unit Cost	7 Streets, 109 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$284,120.02	1.0	\$442,075.03
2	Traffic Control	LS	5%	1.0	\$142,060.01	1.0	\$221,037.51
3	Construction Layout and Staking	LS	0.50%	1.0	\$14,206.00	1.0	\$22,103.75
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	10720.7	\$268,019
5	Road Excavation 16"-18"	CY	\$20.00	5225.8	\$104,516	5225.8	\$104,516
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	2382.4	\$95,295
15	Stamped Concrete (6" thick) Color A outside of stalls	SF	\$18.00	24063.3	\$433,140	34958.0	\$629,245
16	Stamped Concrete (6" thick) Color B	SF	\$18.00	30125.7	\$542,263	44450.7	\$800,112
17	New Asphalt 4" inch	TON	\$107.37	310.1	\$33,300	527.2	\$56,605
18	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9.0	\$3,600
19	Bollard	EA	\$1,200.00	129.0	\$154,800	201.0	\$241,200
20	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	202.0	\$2,020,000
21	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	1074.7	\$39,766
22	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1273.6	\$2,293
23	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1.0	\$975
24	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2996.6	\$1,948
25	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	58.8	\$2,645
26	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22.0	\$14
27	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000
28	Pavement Parking-White-Parking Stall	GAL	\$24.00	24.8	\$596	28.2	\$677
29	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.1	\$27
30	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975
31	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	187.4	\$70,292
32	Aesthetic Treatments (TBD)	LS	6%	1.0	\$196,895	1.0	\$306,358
33	Contingency	LS	25%	1.0	\$869,620	1.0	\$1,353,081
TOTAL PROJECT COST					\$4,348,102		\$6,765,406
COST PER STALL					\$39,891		\$46,982

Table 4

Downtown Parking Capital Cost Estimate 9-28-2020

Regular Concrete							
Number	Description	Unit	Unit Cost	7 Streets, 109 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$251,932	1.0	\$395,765
2	Traffic Control	LS	5%	1.0	\$125,966	1.0	\$197,883
3	Construction Layout and Staking	LS	0.50%	1.0	\$12,597	1.0	\$19,788
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	10720.7	\$268,019
5	Road Excavation 16"-18"	CY	\$20.00	5225.8	\$104,516	5225.8	\$104,516
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	2382.4	\$95,295
15	Concrete (6" thick)	SF	\$12.00	54189.1	\$650,269	79408.7	\$952,905
16	New Asphalt 4" inch	TON	\$107.37	310.1	\$33,300	527.2	\$56,605
17	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9.0	\$3,600
18	Bollard	EA	\$1,200.00	129.0	\$154,800	201.0	\$241,200
19	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	202.0	\$2,020,000
20	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	1074.7	\$39,766
21	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1273.6	\$2,293
22	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1.0	\$975
23	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2996.6	\$1,948
24	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	58.8	\$2,645
25	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22.0	\$14
26	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000
27	Pavement Parking-White-Parking Stall	GAL	\$24.00	160.6	\$3,854	584.6	\$14,029
28	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.1	\$27
29	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975
30	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	187.4	\$70,292
31	Aesthetic Treatments (TBD)	LS	6%	1.0	\$174,589	1.0	\$274,265
32	Contingency	LS	25%	1.0	\$771,102	1.0	\$1,211,338
TOTAL PROJECT COST					\$3,855,511	\$6,056,690	
COST PER STALL					\$35,372	\$42,060	

**Table 5
Downtown Parking Capital Cost Estimate 9-28-2020
Asphalt**

Number	Description	Unit	Unit Cost	7 Streets, 109 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$200,044	1.0	\$320,157
2	Traffic Control	LS	5%	1.0	\$100,022	1.0	\$160,078
3	Construction Layout and Staking	LS	0.50%	1.0	\$10,002	1.0	\$16,008
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	10720.7	\$268,019
5	Road Excavation 16"	CY	\$20.00	4764.9	\$95,298	4764.9	\$95,298
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	2382.4	\$95,295
15	Asphalt (4" thick)	TON	\$107.37	1619.7	\$173,904	2446.3	\$262,646
16	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9.0	\$3,600
17	Bollard	EA	\$1,200.00	129.0	\$154,800	201.0	\$241,200
18	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	202.0	\$2,020,000
19	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	1074.7	\$39,766
20	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1273.6	\$2,293
21	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1.0	\$975
22	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2996.6	\$1,948
23	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	58.8	\$2,645
24	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22.0	\$14
25	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000
26	Pavement Parking-White-Parking Stall	GAL	\$24.00	160.6	\$3,854	584.6	\$14,029
27	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.1	\$27
28	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975
29	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	187.4	\$70,292
30	Aesthetic Treatments (TBD)	LS	6%	1.0	\$138,631	1.0	\$221,869
31	Contingency	LS	25%	1.0	\$612,285	1.0	\$979,920
TOTAL PROJECT COST					\$3,061,425	\$4,899,600	
COST PER STALL					\$28,086	\$34,025	

Table 6

Maintenance Cost Estimate 9-28-2020

Median Material	Expense	7 Streets	9 Streets
Stamped Concrete	Electricity	\$40,000	\$60,000
	Miscellaneous	\$10,000	\$15,000
	Total Yearly Cost	\$50,000	\$75,000
	Design Life Cost (50 Years)	\$2,500,000	\$3,750,000
Regular Concrete	Electricity	\$40,000	\$60,000
	Miscellaneous	\$10,000	\$15,000
	Total Yearly Cost	\$50,000	\$75,000
	Design Life Cost (50 Years)	\$2,500,000	\$3,750,000
Asphalt	Electricity	\$40,000	\$60,000
	Striping (avg annual cost for 2-yr cycle)	\$5,000	\$7,500
	Chip Seal (avg annual cost for 10-yr cycle)	\$2,000	\$2,500
	Miscellaneous	\$10,000	\$15,000
	Total Yearly Cost	\$57,000	\$85,000
	Design Life Cost (50 Years)	\$2,850,000	\$4,250,000