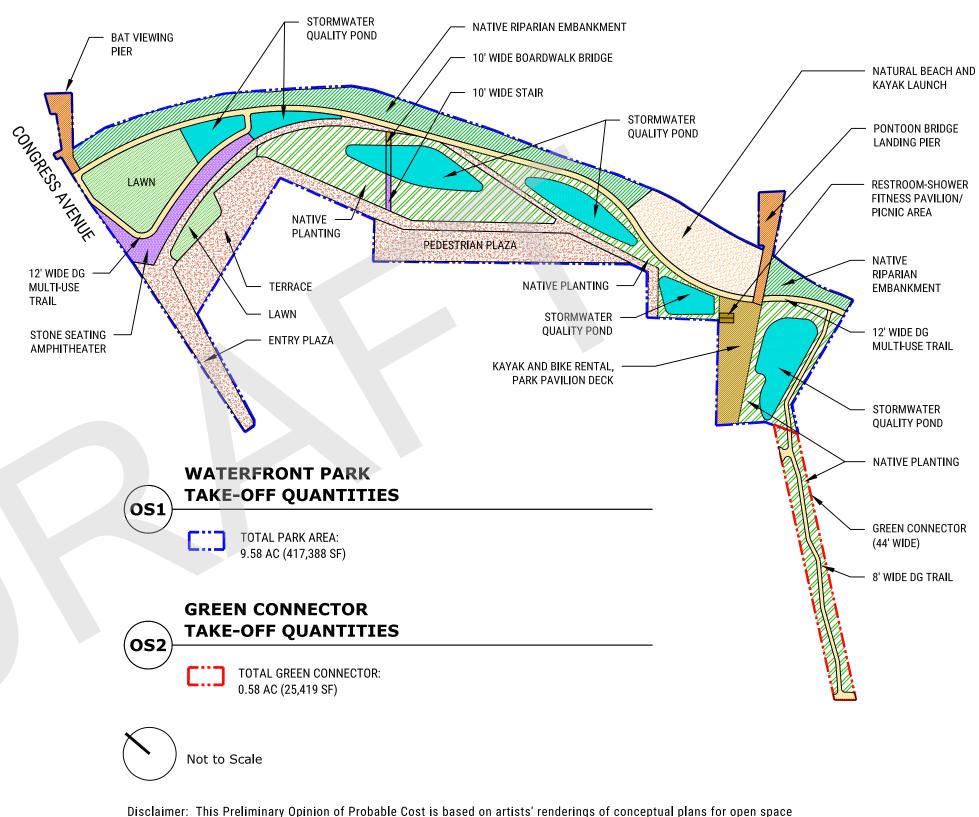
## 2020 MODIFIED: OPEN SPACE COSTS

## Draft 7.20.2020

Code	Open Space	Acres	۵	Direct Costs	Ir	direct Costs	Total Cost
OS1	Waterfront Park	8.79	\$	33,048,700	\$	19,697,025	\$ 52,745,725
OS2	Green Connector	0.58	\$	1,450,153	\$	864,291	\$ 2,314,444
OS3	Bouldin Creek Trail	5.22	\$	5,596,072	\$	3,335,259	\$ 8,931,331
OS4	Crockett Square	1.6	\$	10,820,000	\$	6,448,720	\$ 17,268,720
OS 5	Nightwing Plaza	0.17	\$	2,500,000	\$	1,490,000	\$ 3,990,000
				TOTAL OPEN S	<b>SPA</b>	CE COSTS	\$ 85,250,220

Code	Item	Area (SF)	Area (ac)	Quantity	Unit
<b>0S</b> 1	WATERFRONT PARK & PLAZAS	417,388	9.58		AC
	Total Park	304,587	6.99	73%	
	Total Plazas / Hardscape / Other Open Space	112,801	2.59	27%	
	Park				
	Native Riparian Planting on Embankment	54,400	1.25		SF
	Other Native Plantings	85,533	1.96		SF
	Lawn	35,879	0.82		SF
	Natural Beach and Kayak Launch	30,041	0.69		SF
	Stormwater Quality Ponds / Biofiltration Areas / Bioswale Connectors	58,815	1.35		SF
	12' wide Trails (including sloped trails where handrails are required)	26,446	0.61	2,203	LF
	10' wide Boardwalk Bridge across Stormwater Quality Pond	863	0.02	86	LF
	Bat Viewing Pier	5,510	0.13		SF
	Pontoon Bridge Landing Pier (Waller Creek Connection)	7,100	0.16		SF
	Plazas / Hardscape / Other Open Space				
	10' wide Stairs to Boardwalk Bridge	740	0.02	74	LF
	Entry Plaza with Interpretive Features	22,330	0.51		SF
	Pedestrian Plaza	24,971	0.57		SF
	Terrace	39,877	0.92		SF
	Stone Seating Amphitheater	10,861	0.25		SF
	Kayak and Bike Rental Deck	14,021	0.32		SF
	Other				
	Site Prep / Demolition / Utility / Earthwork	417,388	9.58		SF
	Tree Plantings with Irrigation Bubblers			100	EA
	Heritage Tree Relocation			22	EA
	Tree Protection and Care			100	EA
	Irrigation (Lawn and Other Native	121,412	2.79		SF
	Trail Amenities / Site Furniture			1	Allov
	Bat Viewing Signage				Allov
	Public Art Allowance			1	LS
	Lighting and Electrical			1	LS
	Power and AV			1	LS
OS 2	GREEN CONNECTOR - (44' Wide)	25,419	0.58		SF
	Open Space (review all)				
	Native Planting	19,856	0.46		SF
	8' Wide DG Trail	5,563	0.13		SF
	Other (review all)				
	Site Prep / Demolition / Utility / Earthwork	25,419	0.58		SF
	Irrigation (Native Plantings)	19,856	0.46		SF
	Lighting and Electrical			1	LS
	Power and AV			1	LS
	Trail Amenities / Site Furniture			1	Allov



LADY BIRD LAKE

City of A	Austin											
	entral Waterfront - Open Spaces											
	n-Robinson / Project Cost Resources											
	y 5, 2020											
repruar	y 5, 2020											
<b>C</b>   .		A	A	0	11			6.1		14 <b>T</b> - 4 - 1	Division Total	A
Code		Area (SF)	Area (ac)	Quantity	Unit	U	nit Cost	Su	btotals	Item Total	Iotai	Assumptions
OS 1	WATERFRONT PARK & PLAZAS	417,388	9.58		AC							
1	Total Park	304,587	6.99	73%								
2	Total Plazas / Hardscape / Other Open Space	112,801	2.59	27%								
3												
4	PARK											
5	Native Riparian Planting on Embankment											Supplemental planting for lake embankment erosion control, including soil amendments, top mulch, trees, shrubs, perennials, groundcovers, irrigation. Assumes 1/2 of total area is re-planted.
6	Planting	54,400	1.25		SF	\$	18.00		979,192			
7	Irrigation	54,400			SF	\$	4.00	\$	217,598			
8	Item Subtotal							<u> </u>		\$ 1,196,790		
9 10	Other Native Plantings											Planting on upper banks of stormwater quality features, irrigation
10	Planting	85,533	1.96		SF	\$	35.00	\$ 2	,993,643			Planting on upper banks of stormwater quality reatures, imgation
11	Irrigation	85,533	1.50		SF	\$	4.00		342,131			
13	Item Subtotal					Ŧ		Ť		\$ 3,335,774		
14												
15	Lawn Area											Sod Turf, bed prep, fine grading on sand, irrigation
16	Lawn	35,879			SF	\$			143,516			
17	Irrigation	35,879			SF	\$	4.00	\$	143,516			
18	Item Subtotal									\$ 287,032		
19 20	Natural Beach and Kayak Launch Area											Sand, boulders and Trex platform on piers for kayak launch
20	Beach and Kayak Launch Area	30,041	0.69		SF	\$	7.00	ć	210,286			Sand, boulders and Trex platform on piers for kayak launch
21	Boulders	30,041	0.03		EA	\$	250.00		7,510			
23	Trex Platform	6,008			SF	\$	9.00		54,074			
24	Item Subtotal								,	\$ 271,870		
25												
26	Stormwater Quality Ponds / Biofiltration Areas / Bioswale Connectors	58,815	1.35		SF	\$	40.00	\$ 2	,352,599			Wetland plantings in depressed planting beds, contract grown plant material, excavation, drainage, engineered media
27	Item Subtotal									\$ 2,352,599		
28						_						
29	12' wide Trails (including sloped trails where handrails are required)											Stabilized, Decomposed Granite and concrete, vehicular grade for maintenance/EMS vehicles.
30	4" Concrete Base	26,446	0.61		SF	\$	6.00		158,676			
31	Decomposed Granite	26,446	0.61		SF LF	\$ \$	6.00	-	158,676 192,763			
32 33	Handrails Item Subtotal	1,102			LF	Ş	175.00	Ş	192,763	\$ 510,115		
34	item subtotai					+				÷ 510,115		
35	10' wide Boardwalk Bridge across Stormwater Quality Pond											10' Trex Boardwalk over pond with piers with metal guard rail, 10'-15' +/- above grade at center of bridge
36	Substructure	863			SF	\$	75.00	\$	64,725			
37	Trex Decking	863			SF	\$	9.00	-	7,767			
38	Guardrails	172			LF	\$	225.00	\$	38,700			
39	Item Subtotal									\$ 111,192		
40		-										
41	Bat Viewing Pier	F 510	0.12				75.05	ć	442.255			Trex Boardwalk over Lady Bird Lake on piers with metal railings
42	Substructure	5,510	0.13		SF	\$	75.00	Ş	413,250			

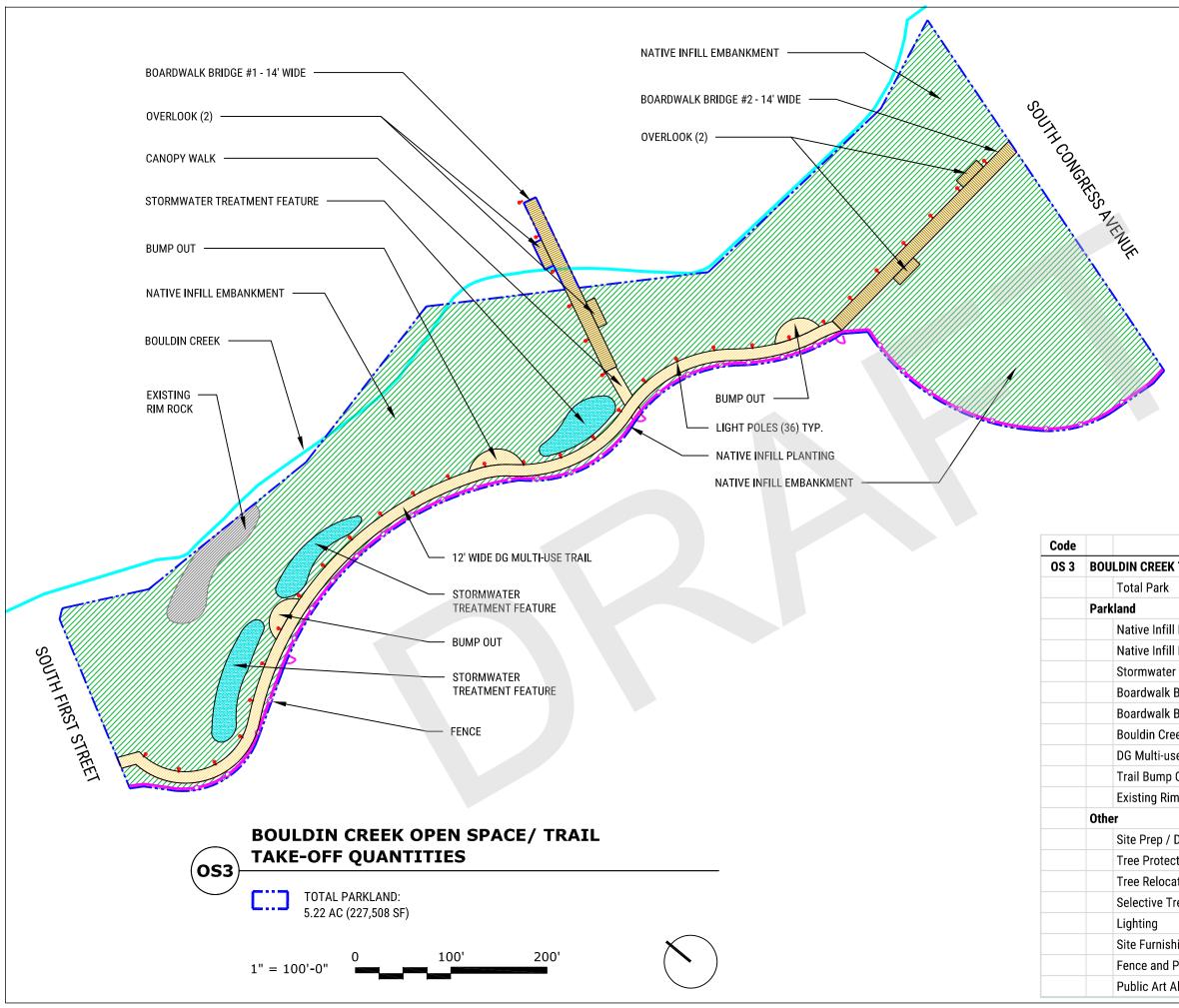
			[ !								Division	
Code	x	Area (SF)	Area (ac)	Quantity	Unit	Unit	t Cost	Sub	ototals	Item Total	Total	Assumptions
43	Trex Decking	5,510			SF	\$	9.00		49,590			
44	Guardrails	297	<u>ا</u> ــــــا		LF	\$	225.00	\$	66,806			
45	Item Subtotal		ļļ			_				\$ 529,646		
46			<b>└────</b> ┤									
47	Pontoon Bridge Landing Pier (Waller Creek Connection)											Trex Boardwalk over Lady Bird Lake on piers with metal railings
48	Substructure	7,100	0.16		SF	\$	75.00		532,500			
49	Trex Decking	7,100	<u>ا</u> ا		SF	\$	9.00	\$	63,900			
50	Guardrails	337	ļļ		LF	\$	225.00	\$	75,835			
51	Item Subtotal		<b>⊢−−−−−</b> ┦							\$ 672,235		
52			┝────┦			-					A 0.007.050	
53	SUBTOTAL ALL ITEMS	20%	┝────┦			-					\$ 9,267,253	
54 55	Estimating Contingency Contractor Markups (GCs and Fee)	20%	┝────┦			-					\$ 1,853,451 \$ 2,780,176	
56	TOTAL PARK	23%									\$ 2,780,176 \$ 13,900,880	
57		<u> </u>	(			1			The second se		\$ 13,900,880	
58			ļ									
	PLAZAS / HARDSCAPE / OTHER OPEN SPACE		ł									
60	10' wide Stairs to Boardwalk Bridge	740	0.02	74	LF	\$	30.00	Ś	22,200			Trex stairs to boardwalk bridge, 10'-15' height
61	Handrails	148	0.02	74	LF	\$	175.00	\$	25,900			
62	Item Subtotal		<del>ر</del> ا			Ý	175100	Ŷ	23,500	\$ 48,100		
63			[ <b></b> ]							+,		
64	Entry Plaza with Interpretive Features											Stone pavers over concrete with large interpretive kiosk, 3 interpretive signs
65	4" Concrete Base	22,330	0.51		SF	\$	6.00	Ś	133,980			
66	Stone Pavers	22,330			SF	\$	32.00		714,560			
67	Kiosk	1			ALLOW		5,000.00	\$	25,000			
68	Interpretive Signage	3	i – – – †		EA		1,000.00	-	3,000			
69	Item Subtotal		l l							\$ 876,540		
70												
71	Pedestrian Plaza:											Stone or Concrete Pavers over concrete on plaza with subgrade prep, base materials and grading for pedestrian/light vehicle use
72	4" Concrete Base	24,971	0.57		SF	\$	6.00	\$	149,826			
73	Stone Pavers	24,971			SF	\$	32.00	\$	799,072			
74	Item Subtotal									\$ 948,898		
75												
76	Terrace											Stone Pavers over concrete on terraces with subgrade prep, base materials and grading for pedestrian/light vehicle use, retaining walls
77	4" Concrete Base	39,877	0.92		SF	\$	6.00	\$	239,262			
78	Stone Pavers	39,877			SF	\$	32.00	\$ 1,	276,064			
79	Item Subtotal									\$ 1,515,326		
80												
81	Stone Seating Amphitheater											Stone clad, concrete seating terraces/steps, 3'+/- deep, 18" height
82	Footings	5,431			LF	\$	45.00		244,373			
83	Concrete Bench	10,861	J		SF	\$	250.00					
84	Stone Cladding	10,861	ļ]		SF	\$	35.00	\$	380,135			
85	Item Subtotal		ļļ							\$ 3,339,758		
86			ļļ									
87	Kayak and Bike Rental Deck							<u>^</u>				Trex decking with metal guardrails
88	Substructure	14,021	0.32		SF	\$	7.00		98,147			
89	Trex Decking	14,021	0.32		SF	\$	9.00		126,189			
90	Metal Guardrails	474	ļļ		LF	\$	225.00	Ş	106,569	A 333 33-		
91	Item Subtotal		<b>├────</b> ┦			-				\$ 330,905		
92			J			1						

								1			Division	
Code	× *	Area (SF)	Area (ac)	Quantity	Unit		Unit Cost	9	Subtotals	Item Total	Total	Assumptions
93	SUBTOTAL ALL ITEMS										\$ 7,059,527	
94	Estimating Contingency	20%									\$ 1,411,905	
95	Contractor Markups (GCs and Fee)	25%									\$ 2,117,858	
96	TOTAL PLAZAS / HARDSCAPE / OTHER OPEN	SPACE									\$ 3,529,763	
97												
98												
99 <b>C</b>	THER											
100	Site Prep / Demolition / Utility / Earthwork	417,388	9.58		SF	\$	4.00	\$	1,669,552			Site clearing and grubbing, tree removal/disposal, rough grading, staking and layout all area within LOW.
101 102	Item Subtotal									\$ 1,669,552		
102	Tree Plantings with Irrigation Bubblers											Mix of 30 gal. to 100 gal. trees along new trails and in plazas.
				40	EA	\$	1,200.00	ć	48,000			Mix of 30 gal. to 100 gal. trees along new trains and in plazas.
104	30-Gallon Trees							_				
105	100-Gallon Trees			60	EA	\$ \$	2,500.00		150,000			
106	Irrigation Bubblers			100	EA	Ş	22.00	Ş	2,200	4		
107	Item Subtotal									\$ 200,200		
108												
109	Heritage Tree Relocation			22	EA	\$	75,000.00	Ş	1,650,000			Assumes 22 Heritage Trees over 18" cal. Relocated on site
110	Item Subtotal				_					\$ 1,650,000		
111					_							
112	Tree Protection and Care			100	EA	\$	1,000.00	\$	100,000			Chainlink fencing at CRZ and boarding of trunks per COA requirements, root pruning if needed
113	Item Subtotal									\$ 100,000		
114												
115	Irrigation (Lawn and Other Native Plantings)	121,412	2.79		SF	\$	4.00	\$	485,648			Subsurface drip on Lawn and native planting areas: includes pump, meter, backflow preventer and controllers with purple pipe tied to Reclaimed Water system.
116	Item Subtotal									\$ 485,648		
117												
118	Trail Amenities / Site Furniture											50 Benches, 50 Trash Receptacles, 50 Bike Racks, 4 Drinking Fountains throughout suitable for heavy public use
119	Benches			50	EA	\$	2,500.00	\$	125,000			
120	Trash Receptacles			50	EA	\$	950.00	\$	47,500			
121	Bike Racks			50	EA	\$	1,500.00	\$	75,000			
122	Drinking Fountains			4	EA	\$	4,500.00	_	18,000			
123	Item Subtotal								,	\$ 265,500		
124										,		
125	Bat Viewing Signage			1	Allow	\$	500,000.00	\$	500,000			Coordinate with Bat Conservation International Collaboration (BCI) for special educational signage
126	Item Subtotal									\$ 500,000		
127												
128	Lighting and Electrical			304,587	SF	\$	12.00	\$	3,655,044			Combo of approx. 14' tall pole lights and smaller/detailed specialty lighting for bat viewing.
129	Item Subtotal									\$ 3,655,044		
130												
131	Power and AV			304,587	SF	\$	8.00	\$	2,436,696			Electrical services, water, gas sufficient for large public events such as SXSW
132 133	Item Subtotal									\$ 2,436,696		
	Wat Site Utilities / Connections			201 507	SF	\$	E 00	ć	1 522 025			
134	Wet Site Utilities / Connections			304,587	35	Ş	5.00	Ş	1,522,935	6 4 533 635		
135	Item Subtotal					+				\$ 1,522,935		
136					~~			-	040 76:			
137	Drainage Allowance			304,587	SF	\$	3.00	Ş	913,761			

									Division	
Code	```	Area (SF)	Area (ac)	Quantity	Unit	Unit Cost	Subtotals	Item Total	Total	Assumptions
138	Item Subtotal							\$ 913,761		
139										
140	Restroom / Shower / Fitness Pavillion			1	ALLOW	\$ 700,000.00	\$ 700,000			
141	Item Subtotal							\$ 700,000		
142										
143	SUBTOTAL ALL ITEMS								\$ 14,099,336	
144	Estimating Contingency	20%							\$ 2,819,867	
145	Contractor Markups (GCs and Fee)	25%							\$ 4,229,801	
146	TOTAL OTHER								\$ 21,149,0 <mark>04</mark>	
147										
148										
149	WATERFRONT PARK & PLAZAS TOTAL								\$ 38,579,647	Public Art Allowance is not included
	Cost per Acre								\$ 4,026,300	
	Cost per Square Foot								\$ 92.43	

City of A	Austin					1		1		1		
	Central Waterfront - Open Spaces					_						
	a-Robinson / Project Cost Resources							L				
Februar	ry 5, 2020											
											Division	
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	l	Unit Cost	9	Subtotals	Item Total	Total	Assumptions
	GREEN CONNECTOR - (44' Wide)	25,419	0.58		SF							
1	OPEN SPACE											
2	Native Planting	19,856	0.46		SF	\$	35.00	\$	694,960			Wildflowers and other native perenial species. 1-25 gal. container plants
	Item Subtotal									\$ 694,960		
3	8' Wide DG Trail	5,563	0.13		SF	Ś	6.00	~	33,378			Stabilized, Decomposed Granite with concrete edges.
4	Concrete Edging at DG Trail	1,391	0.13		LF	\$	7.00		9,735		-	Stabilized, Decomposed Granite with concrete edges.
5	Item Subtotal	1,231			LF	,	7.00	ډ	9,755	\$ 43,113		
6										Ş 43,113		
7	SUBTOTAL ALL ITEMS										\$ 738,073	
8	Estimating Contingency	20%									\$ 147,615	
9	Contractor Markups (GCs and Fee)	25%									\$ 221,422	
10	TOTAL OPEN SPACE										\$ 1,107,110	
11												
12												
13	OTHER											
14	Site Prep / Demolition / Utility / Earthwork	25,419	0.58		SF	\$	4.00	\$	101,676			
15	Item Subtotal									\$ 101,676		
16												
17	Irrigation (Native Plantings)	19,856	0.46		SF	\$	4.00	Ş	79,424			
18	Item Subtotal					-				\$ 79,424	<u>ا</u>	
19 20	Lighting and Electrical			25,419	SF	Ś	12.00	ć	305,028		-	
20	Item Subtotal			25,419	эг	Ş	12.00	Ş	505,028	\$ 305,028	1	
22	item Subtotai									Ş 303,020	·	
23	Power and AV			25,419	SF	\$	8.00	Ś	203,352			
24	Item Subtotal					1			,	\$ 203,352	2	
25					_							
26	Trail Amenities / Site Furniture											6 Benches, 8 trash receptacles
27	Benches			6	EA	\$	2,500.00	\$	15,000			
28	Trash Receptacles			8	EA	\$	950.00	\$	7,600			
29	Item Subtotal									\$ 22,600	)	
30		-						<u> </u>			1.	
31	SUBTOTAL ALL ITEMS							<u> </u>			\$ 712,080	
32	Estimating Contingency	20%									\$ 142,416	
33 34	Contractor Markups (GCs and Fee) TOTAL OTHER	25%				1		1		I	\$ 213,624 \$ 1,068,120	
34											<u> </u>	
35						-						
30	GREEN CONNECTOR TOTAL										\$ 2,175,230	Public Art Allowance is not included
	Cost per Acre	+									\$ 3,727,645	
	Cost per Square Foot							-		1	\$ 85.57	
								1			,	
						1						

		Division	Divisio									
	Assumptions	Total	n Total Total	Item	Subtotals	Unit Cost	Unit	Quantity	Area (ac)	Area (SF)	Item	
kura	probable construction cost is made on the basis of Asakura	ture. This opinion of prob	onceptual in nature.	ted are cor	. All elements depic	e developments	for open space	ceptual plans	erings of con	n artists' rena	: This Preliminary Opinion of Probable Cost is based o	imer:
o control over	Asakura Robinson and Project Cost Resources have no contr	ustry. However, since Asa	liar with the industry.	ally familia	professionals gener	ed and qualified	as experienc	est judgment	esents their b	ions and repr	and Project Cost Resources' experience and qualificat	son's c
ctual	not and does not guarantee that proposals, bids, or actual	Asakura Robinson cannot	ket conditions, Asakui	ng or marke	er competitive biddir	ng prices, or ove	s of determini	tor's methods	r the Contrac	others, or ove	labor, materials, equipment, or services furnished by	st of la
									prepared.	uction cost as	on costs will not vary from opinions of probable constr	uction
									r the Contrac	others, or ove	labor, materials, equipment, or services furnished by	st of la

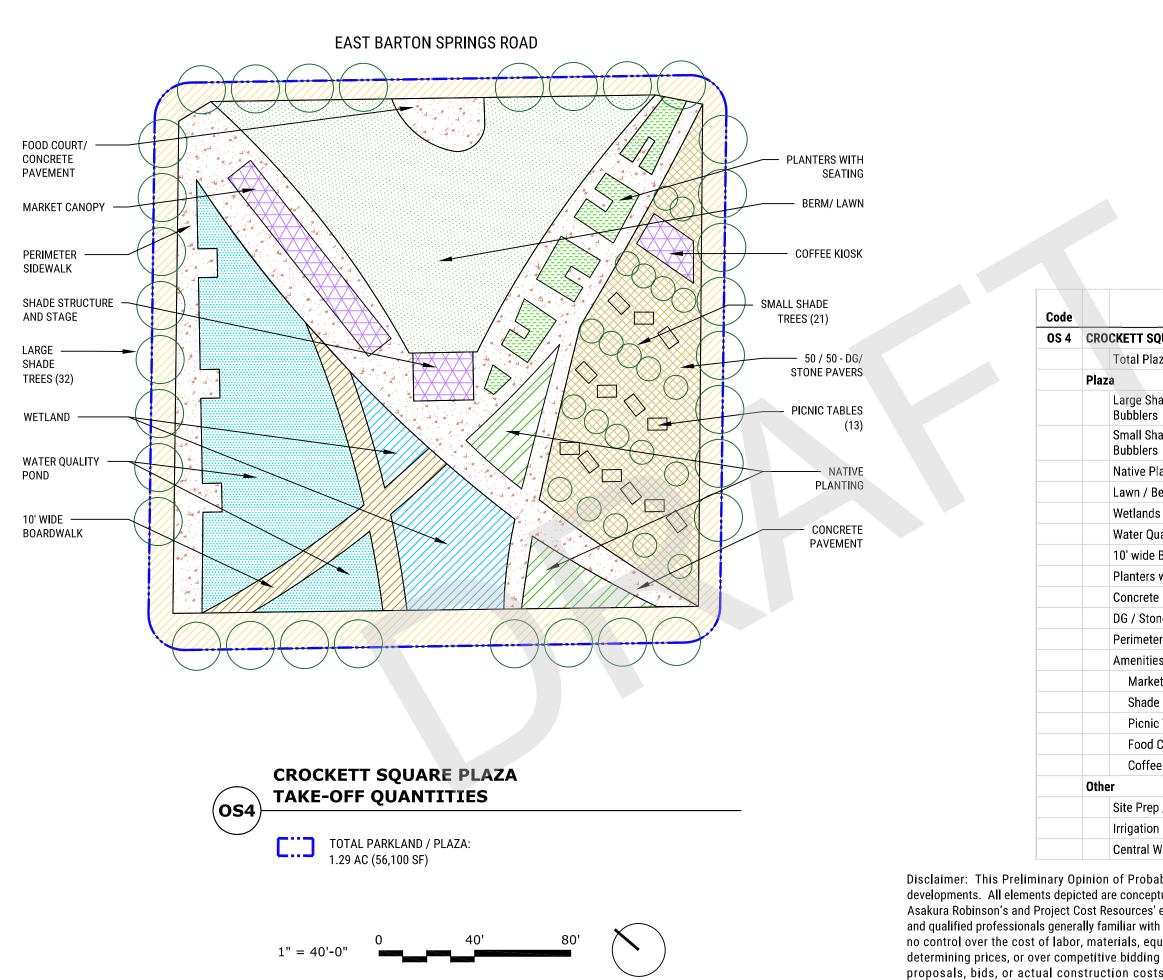


Item	Area (SF)	Area (ac)	Quantity	Unit
K TRAIL	227,508	5.22		AC
·	227,508	5.22		
II Embankment	187,545	4.31		SF
II Planting	6,832	0.16		SF
er Treatment Features	7,560	0.17		LF
Bridge #1 & Canopy Walk (14' wide)	3,278	0.08	234	LF
KBridge #2 (14' wide )	3,665	0.08	262	LF
reek Overlooks (4)	1,200	0.03		SF
ise Trail (12' wide)	11,532	0.26	961	LF
o Outs	2,051	0.05		SF
im Rock	3,845	0.09		SF
/ Demolition / Utility / Earthwork	36,118	0.83		
ection and Care			40	EA
cation and Care			10	EA
Tree Plantings and Irrigation			40	EA
			36	EA
shings			1	Allow
Pedestrian Gates (3)			1,339	LF
Allowance			1	LS

City of	Austin												
-	Central Waterfront - Open Spaces								_				
	ra-Robinson / Project Cost Resources								_				
									_				
Februa	ary 5, 2020												
												Division	
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	Un	nit Cost	Subtotals		Item To	tal	Total	Assumptions
	BOULDIN CREEK TRAIL	227,508	5.22		AC	_							
1 2	Total Park	227,508	5.22						_				
	PARKKLAND												
4	Native Infill Embankment	187,545	4.31		SF	\$	2.00	\$ 375,0	00				Remove invasive plants and replace with appropriate native plants as practical
4		107,545	4.51		Эг	Ş	2.00	ş 575,0	90				and in accordance with City of Austin best practices.
5	Item Subtotal								Ś	37	5,090		
6											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
7	Native Infill Planting	6,832	0.16		SF	\$	6.00	\$ 40,9	92				Mix of 5 gal - 30 gal. tree plantings along trails, in stormwater features and at bridge landing areas to increase survival rate and to blend with native habitat.
8	Item Subtotal								\$	i 4	0,992		
9													
10	Stormwater Treatment Features	7,560	0.17		LF	\$	40.00	\$ 302,4	00				Wetland/native plantings in depressed planting beds, contract grown plant material, excavation
11	Item Subtotal								\$	30	2,400		
12													
13	Boardwalk Bridge #1 & Canopy Walk (14' wide)												14' Wide Trex boardwalk spanning 0'-25'+/- deep creekbed on piers with metal guardrails
14	Substructure	3,278	0.08		SF	\$	55.00	\$ 180,2	90				
15	Trex Decking	3,278			SF	\$	9.00	\$ 29,5	02				
16	Guardrails	468			LF	\$	<b>2</b> 25.00	\$ 105,3	00				
17	Item Subtotal								\$	31	5,092		
18													
19	Boardwalk Bridge #2 (14' wide )												14' Wide Trex boardwalk spanning 0'-20'+/- deep creekbed on piers with metal guardrails
20	Substructure	3,665	0.08	262	SF	\$	55.00	\$ 201,5					
21	Trex Decking	3,665			SF	\$	9.00	\$ 32,9					
22	Guardrails	524			LF	\$	225.00	\$ 117,9					
						_			\$	35	2,460		
23	Item Subtotal							1					
24													
24 25	Bouldin Creek Overlooks (4)	4.200	0.02				55.00						Trex Decking on piers with metal guardrails
24 25 26	Bouldin Creek Overlooks (4) Substructure	1,200	0.03		SF	\$	55.00	\$ 66,0					Trex Decking on piers with metal guardrails
24 25 26 27	Bouldin Creek Overlooks (4) Substructure Trex Decking	1,200	0.03		SF	\$	9.00	\$ 10,8	00				Trex Decking on piers with metal guardrails
24 25 26 27 28	Bouldin Creek Overlooks (4) Substructure Trex Decking Guardrails		0.03						00 77		7 0 7 7		Trex Decking on piers with metal guardrails
24 25 26 27 28 29	Bouldin Creek Overlooks (4) Substructure Trex Decking	1,200	0.03		SF	\$	9.00	\$ 10,8	00	5 10	7,977		Trex Decking on piers with metal guardrails
24 25 26 27 28 29 30	Bouldin Creek Overlooks (4) Substructure Trex Decking Guardrails Item Subtotal	1,200	0.03		SF	\$	9.00	\$ 10,8	00 77	5 10	7,977		
24 25 26 27 28 29 30 31	Bouldin Creek Overlooks (4) Substructure Trex Decking Guardrails Item Subtotal DG Multi-use Trail (12' wide)	1,200 139			SF LF	\$	9.00 225.00	\$ 10,8 \$ 31,1	00 77 \$	5 10	7,977		Trex Decking on piers with metal guardrails           12' decomposed granite with 3' concrete shoulders each side.
24 25 26 27 28 29 30 31 32	Bouldin Creek Overlooks (4) Substructure Trex Decking Guardrails Item Subtotal DG Multi-use Trail (12' wide) 12' Wide DG Trail	1,200 139 11,532	0.03		SF LF SF	\$ \$ \$	9.00 225.00 6.00	\$ 10,8 \$ 31,1 \$ 69,1	00 77 \$ 92	5 10	7,977		
24 25 26 27 28 29 30 31	Bouldin Creek Overlooks (4) Substructure Trex Decking Guardrails Item Subtotal DG Multi-use Trail (12' wide)	1,200 139			SF LF	\$	9.00 225.00	\$ 10,8 \$ 31,1	00 77 \$ 92		7,977		

												Division	
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	U	Init Cost	Sul	btotals	lte	em Total	Total	Assumptions
36	Trail Bump Outs	2,051	0.05		SF								12' decomposed granite with 3' concrete shoulders on outside edge.
37	12' Wide DG Trail	2,051	0.05		SF	\$	6.00	-	12,306				
38	Concrete Edging at DG Trail	342			LF	\$	7.00	\$	2,393	Ś			
39 40	Item Subtotal					_				Ş	14,699		
40	Existing Rim Rock	3,845	0.09		SF	\$	-	\$	-				No improvements
41		3,045	0.05		51	Ŷ		Ŷ					ivo improvementa
42	Item Subtotal									\$	-		
43													
44	SUBTOTAL ALL ITEMS											\$ 1,591,356	
45	Estimating Contingency	20%										\$ 318,271	
46	Contractor Markups (GCs and Fee	25%										\$ 477,407	
47	TOTAL PARKLAND											\$ 2,387,034	
48						_							
49													
	OTHER		0.55			-							
51	Site Prep / Demolition / Utility / Earthwork	36,118	0.83		SF	\$	4.00	\$	144,472				Light site clearing (minimal tree clearing) and grubbing around improvements only, some tree removal/disposal, rough grading, staking and layout all areas within L.O.W.
52	Item Subtotal									\$	144,472		
53													
54	Tree Protection and Care			40	EA	\$	2,000.00	\$	80,000				Chain link tree fencing around trees to be preserved near all improvements i.e. fence, trails, boardwalk bridge landings (per COA requirements).
55	Item Subtotal									\$	80,000		
56													
57	Tree Relocation and Care			10	EA	\$	1,500.00	\$	15,000				Medium tree (under 10" cal.) relocations on site
58	Item Subtotal									\$	15,000		
59						<u> </u>							
60	Selective Tree Plantings and Irrigation			40	EA	\$	1,822.00	\$	72,880				Selective native trees, soil prep, top mulch along trails, at bridge landings and along S. First St. and Congress Ave
61	Item Subtotal					_				\$	72,880		
62					5.	4	12 000						
63	Lighting			36	EA	\$	12,000	\$	432,000				Pedestrian light poles and fixtures along trail and Boardwalk Bridges-heavy grade for public use areas
64	Item Subtotal									\$	432,000		
65													
66	Site Furnishings												10 Benches, 10 trash receptacles, 10 bike racks-heavy grade for public use areas
67	Benches			10	EA	Ś	2,500.00	Ś	25,000				
68	Trash Receptacles			10	EA	\$	950.00		9,500				
69	Bike Racks			10	EA	\$	1,500.00		15,000				
70	Item Subtotal									\$	49,500		
71													
72	Fence and Pedestrian Gates (3)			1,339	LF								6' High metal picket fence panels and 3 lockable pedestrian gates
73	Fencing			1,339	LF	\$	18.00		24,102				
74	Pedestrian Gates			3	EA	\$	550.00	\$	1,650	<u> </u>			
75	Item Subtotal					_				\$	25,752		
76	Linksing and Electric 1			227 500		6	C 00	6	1 205 040				
77 78	Lighting and Electrical Item Subtotal			227,508	SF	\$	6.00	\$ :	1,365,048	\$	1,365,048		
78 79						+		-		Ş	1,303,048		
80	Power and AV			227,508	SF	Ś	4.00	Ś	910,032			<u> </u>	

										Division	
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	Unit Cost	Subtotals	li	tem Total	Total	Assumptions
81	Item Subtotal							\$	910,032		
82											
83	Wet Site Utilities / Connections			227,508	SF	\$ 2.50	\$ 568,770				
84	Item Subtotal							\$	568,770		
85											
86	Drainage Allowance			227,508	SF	\$ 1.50	\$ 341,262				
87	Item Subtotal							\$	341,262		
88											
89	SUBTOTAL ALL ITEMS									\$ 4,004,716	
90	Estimating Contingency	20%								\$ 800,943	
91	Contractor Markups (GCs and Fee	25%								\$ 1,201,415	
92	TOTAL OTHER									\$ 6,007,074	
93											
94											
95	BOULDIN CREEK TRAIL TOTAL									\$ 8,394,108	Public Art Allowance is not included
	Cost per Acre									\$ 1,607,184	
	Cost per Square Foot									\$ 36.90	



Item	Area (SF)	Area (ac)	Quantity	Unit
QUARE	56,100	1.29		AC
iza	56,100	1.29		
ade Tree Plantings with Irrigation			32.0	EA
ade Tree Plantings with Irrigation			21.0	EA
lantings	1,659	0.04		SF
lerm	9,756	0.22		SF
S	2,832	0.07		Allow
uality Ponds	7,771	0.18		SF
Boardwalk	2,116	0.05		SF
with Seating	1,403	0.03		SF
e Pavement	10,645	0.24		SF
ne Pavers (50/50)	7,703	0.18		SF
er Sidewalk	9,577	0.22		LF
es:				
et Canopy	1,135	0.03		SF
e Structure and Stage on Square	500	0.01		SF
e Tables			13.0	EA
Court	649	0.01		SF
e Kiosk	354	0.01		SF
) / Demolition / Utility / Earthwork	56,100	1.29		SF
(Lawn and Native Plantings)	12,818	0.29		SF
Vater Storage Cistern		n/a	1,750,000	Gal

City of	Austin									1			
•	Central Waterfront - Open Spaces												
	a-Robinson / Project Cost Resources												
	ry 5, 2020												
rebiua	y 3, 2020												
												Division	
Code	ltem	Area (SF)	Area (ac)	Quantity	Unit		Unit Cost	s	Subtotals	В	tem Total	Total	Assumptions
		/	7 cu (uc)	Quantity									
OS 4	CROCKETT SQUARE	56,100	1.29		AC								
1	Total Plaza	56,100	1.29										
2													
-	PLAZA												
4	Large Shade Tree Plantings with Irrigation			32.0	EA	\$	10,000.00	Ş	320,000				Modular Suspended Pavement with stormwater treatement such as Silva Cell
5	Bubblers Item Subtotal					-				\$	320,000		tree boxes with soil prep, top mulch, irrigation system
6										Ş	320,000		
7	Small Shade Tree Plantings with Irrigation			21.0	EA	\$	6,500.00	\$	136,500				Tree grates with Planting beds, soil prep, top mulch, irrigation system
	Bubblers					Ť	0,000.00	Ť	100,000				and a second s
8	Item Subtotal									\$	136,500		
9													
10	Native Plantings												Mix of 1 gal. to 25 gal. container plantings
11	Planting	1,659	0.04		SF	\$	35.00	\$	58,065				
12	Irrigation	1,659			SF	\$	4.00	\$	6,636				
13	Item Subtotal									\$	64,701		
14						-							
15	Lawn / Berm	0.75.6	0.22		SF	Ś	6.00	ć	58,536				Solid sod with grading for 5' tall berm, retaining walls
16 17	Lawn Build Berm	9,756 903	0.22		CY CY	\$	30.00	\$ \$	27,100				
17	Irrigation	9,756			SF	\$	4.00	Ş	39,024				
19	Item Subtotal	5,750			- 51	Ŷ	4.00	Ŷ	33,024	\$	124,660		
20								-		+			
21	Wetlands	2,832	0.07		Allow	\$	40.00	\$	113,280				Wetland plantings in depressed planting beds, contract grown plant material
													including excavation, and make-up water source
22	Item Subtotal									\$	113,280		
23													
24	Water Quality Ponds	7,771	0.18		SF	\$	70.00	\$	543,970				Excavation, edge plantings, water circulation system and make-up water source
25	Item Subtotal					-				Ś	543,970		
26										Ŧ	0.0,070		
27	10' wide Boardwalk												Trex, Street-level boardwalks over water feature/pond/wetlands
28	Substructure	2,116	0.05		SF	\$	18.00	\$	38,088				
29	Trex Decking	2,116			SF	\$	9.00	\$	19,044				
30	Guardrails	423			LF	\$	225.00	\$	95,220				
31	Item Subtotal									\$	152,352		
32						_							
33	Planters with Seating												Custom designed, 36" tall planters with 18" seat ledges on interior facing sides, stone clad with appropriate drainage and irrigation
34	Footings	702			LF	\$	45.00		31,568				
35	Concrete Bench	1,403	0.03		SF	\$	250.00	\$	350,750				
36 37	Stone Cladding Item Subtotal	1,403			SF	\$	35.00	\$	49,105	\$	421 422		
37	item subtotai					-				Ş	431,423		
38 39	Concrete Pavement	10,645	0.24		SF	\$	10.00	\$	106,450				Suitable to accommodate small trucks for maintenance and emergency access
40	Item Subtotal									\$	106,450		
41		1								· ·			

						T						Division	
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	ι	Jnit Cost	S	ubtotals	lte	em Total	Total	Assumptions
42	DG / Stone Pavers (50/50)												Pavers on concrete base and compacted decomposed granite
43	4" Concrete Base	7,703	0.18		SF	\$	6.00		46,218				
44	Stone Pavers	3,852			SF	\$	32.00	\$	123,248				
45	Decomposed Granite	3,852			SF	\$	6.00	\$	23,109				
46	Item Subtotal									\$	192,575		
47						<u> </u>							
48	Perimeter Sidewalk - 8' Wide	76,616	1.76		SF	\$	7.50	\$	574,620				Suitable to accommodate small trucks for maintenance and emergency access
49	Item Subtotal									\$	574,620		
50													
51	AMENITIES												
52	Market Canopy												Large, Tensile structure at 15-20' height. Costing for concrete pavement below canopy to be included.
53	Tensile Structure	1,135	0.03		SF	\$	175.00	Ś	198,625				
54	Concrete Pavement	1,135	0.00		SF	Ś	175.00	Ś	11,350				
55	Item Subtotal	1,100			0.	Ť	10.00	Ŷ	11,000	\$	209,975		
56						-				Ŷ	203,373		
57	Shade Structure and Stage on Square												Metal shade structure at 10-12' height. Costing for concrete pavement below shade structure to be included.
58	Metal Shade Structure	500	0.01		SF	\$	80.00	\$	40,000				
59	Concrete Pavement	500			SF	Ś	10.00	Ś	5,000				
60	Item Subtotal				-	+ ·				\$	45,000		
61										Ŧ	,		
62	Picnic Tables			13.0	EA	Ś	5,000.00	Ś	65,000				Heavy duty suitable for intensive public use, accessible
63	Item Subtotal					Ŧ	-,	Ŧ		\$	65,000		
64						-							
65	Food Court	649	0.01		SF	\$	10.00	\$	6,490				Concrete paving suitable to accommodate food trucks, with electrical, water and gas accommodations
66	Item Subtotal					1				Ś	6,490		
67						-							
68	Coffee Kiosk	354	0.01		SF	\$	550.00	Ś	194,700				Small building with serving window, electrical, water, gas
69	Item Subtotal								,	\$	194,700		
70													
71	SUBTOTAL ALL ITEMS											\$ 3,281,696	
72	Estimating Contingency	20%										\$ 656,339	
73	Contractor Markups (GCs and Fee)	25%										\$ 984,509	
74	TOTAL PLAZA											\$ 4,922,543	
75													
76						1							
77						1							
78						1							
	OTHER					1							
80	Site Prep / Demolition / Utility / Earthwork	56,100	1.29		SF	\$	4.00	\$	224,400				Light site clearing and grubbing, tree removal/disposal, rough grading, staking and layout all area within L.O.W.
81	Item Subtotal					1				\$	224,400		
82						1							
83	Irrigation (Lawn and Native Plantings)	12,818	0.29		SF	\$	4.00	\$	51,272				
84	Item Subtotal					1				\$	51,272		
85						1					•		

												Division		
Code	Item	Area (SF)	Area (ac)	Quantity	Unit	U	nit Cost	S	Subtotals	It	tem Total	Total	Assumptions	
86	Central Water Storage Cistern		n/a	1,750,000	Gal	\$	1.43	\$ 2,500,000					Underground storage tank for rainwater/condensate harvesting and pumping system for use as irrigation water and to supply water to the Plaza wetlands and for irrigation within the District. Estimates provided by Robert Stefani, Austin Water 11/19/19, and based on cost data provided by GHD consultant to the Water Forward plan. Utilization of said cistern and associated costs will be determined at a later date based on feasibility, design, and ownership and management considerations	
87	Item Subtotal									\$	2,500,000			
88														
89	Lighting and Electrical			56,100	SF	\$	12.00	\$	673,200					
90	Item Subtotal									\$	673,200			
91														
92	Power and AV			56,100	SF	\$	8.00	\$	448,800					
93	Item Subtotal									\$	448,800			
94														
95	Wet Site Utilities / Connections			56,100	SF	\$	6.00	\$	336,600					
96	Item Subtotal									\$	336,600			
97														
98	Drainage Allowance			56,100	SF	\$	4.00	\$	224,400					
99	Item Subtotal									\$	224,400			
100														
101	SUBTOTAL ALL ITEMS											\$ 4,458,672		
102	Estimating Contingency	20%										\$ 891,734		
103	Contractor Markups (GCs and Fee)	25%										\$ 1,337,602		
104	TOTAL OTHER			_				1				\$ 6,688, <mark>008</mark>		
105														
106														
107	CROCKETT SQUARE PLAZA TOTAL											\$ 11,610,551	Public Art Allowance is not included	
	Cost per Acre											\$ 9,015,252		
	Cost per Square Foot											\$ 206.96		