South Central Waterfront

Agenda Item 2.b.

Consultant's Report & Review of 305 S Congress PUD Application Infrastructure Costs

Updated: March 12, 2020

CON	TEN	TS	WHAT'S NEW						
2.b.i.		t Estimates Packet for Site Improvements n Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements						
	1:	Infrastructure Improvements (DRAFT) - Key Map	(prepared by Endeavor consultant team)						
	2:	Waterfront Park Concept Map	(prepared by Endeavor consultant: CMG Landscape Architecture)						
	3:	Waterfront Park Cost Estimates Table	(prepared by Endeavor consultant: CMG Landscape Architecture)						
	4:	Site Infrastructure - Program Cost Metrics Spreadsheet	(prepared by Endeavor consultant: DPR Construction)						
	5:	Below-Grade Parking Cost Spreadsheet	(prepared by Endeavor consultant: DPR Construction)						
2.b.ii.	Esti	Of Austin Review & Adjustments Of Cost mates For Site Improvements As mitted By Endeavor Real Estate Group	Consultant review of item 2.b.i.						
	1:	MEMO: Review of Cost Estimates submitted by Applicant for 305 S. Congress PUD	(prepared by Project Cost Resources, consultants to CoA/PAZ)						
	2:	Adjusted Direct Costs for 305 S. Congress PUD	(prepared by CoA/PAZ staff, based on Project Cost Resources memo)						

COST ESTIMATES PACKET FOR SITE IMPROVEMENTS FROM ENDEAVOR REAL ESTATE GROUP

At the request of the City of Austin, Planning & Zoning Department, the Endeavor Real Estate Group, the development partner of the Applicant team for the 305 S. Congress Planned Unit Development (PUD) amendment submission, provided cost estimates for the PUD-proposed Site Improvements, including Waterfront Park, Plazas, Streets and Streetscapes (improvements to existing and newly proposed), and Underground Parking, as well as Site Preparation and Utilities Infrastructure.

The purpose of the City request was twofold: (1) better understand the proposed Site Improvements in terms schematic design and the quantity and qualities of building materials; and (2) conduct an independent review of the submitted cost estimates with City-hired consultants as part of the ongoing South Central Waterfront planning update.

The Endeavor Real Estate Group submitted the following documents, prepared by their consultants, in support of their cost estimates:

Attachment 1: Infrastructure Improvements (DRAFT) - Key Map (prepared by Endeavor consultant team)

Attachment 2: Waterfront Park Concept Map

(prepared by Endeavor consultant: CMG Landscape Architecture)

Attachment 3: Waterfront Park Cost Estimates Table

(prepared by Endeavor consultant: CMG Landscape Architecture)

Attachment 4: Site Infrastructure - Program Cost Metrics Spreadsheet (prepared by Endeavor consultant: DPR Construction)

Attachment 5: Below-Grade Parking Cost Spreadsheet (prepared by Endeavor consultant: DPR Construction)

These documents have been assembled in this packet.

South Central Waterfront

2.b.i. Cost Estimates Packet for Site Improvements from Endeavor Real Estate Group

1. Infrastructure Improvements (DRAFT) - Key Map Updated: March 12, 2020

CON.	TEN [°]	TS	WHAT'S NEW						
2.b.i.		Estimates Packet for Site Improvements n Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements						
	1:	Infrastructure Improvements (DRAFT) - Key Map	(prepared by Endeavor consultant team)						

305 S Congress Avenue

Infrastructure Improvements (DRAFT)

2019.10.30

KEY	PROJECT NAME	AR	EA	LENGTH
		sqft	acre	ft
BS-1	Barton Springs Segment 1	70,146	1.61	-
Barton S	prings Extension Subtotal	70,146	1.61	-
S-1	Internal Street Segment 1	15,710	0.36	-
S-2	Shared Street Segment 2	26,319	0.60	-
S-3	Internal Street Segment 3	16,212	0.37	-
S-4	Internal Street Segment 4	10,083	0.23	-
Internal S	Street Subtotal	68,324	1.57	-
G-1	Lakefront Park	305,641	7.02	-
G-2	Presenvation/Relocation of Trees	-	-	-
G-3	Regrading Works	-	-	-
Park Land	d Subtotal	305,641	7.02	-
P-1	Great Steps	28,308	0.65	-
P-2	Landscape Plaza 2 (Adjacent to park)	3,098	0.07	-
P-3	Landscape Plaza 3 (Adjacent to park)	3,322	0.08	-
P-4	Landscape Plaza 4 (Adjacent to park)	13,781	0.32	-
P-5	Landscape Plaza 5 (Congress edge)	9,327	0.21	-
P-6	Landscape Plaza 6 (Congress edge)	3,236	0.07	-
P-7	Grand Pedestrian Walkway	15,982	0.37	-
Plaza/Lai	ndscape Area Subtotal	77,054	1.77	-
W-1	Inundated Land	28,256	0.65	-
Inundate	d Land Subtotal	28,256	0.65	-

Infrastructure Improvement outside Property Line

C-1	Congress Intersection 1	22,100	0.51	-
C-2	Congress Improvement 2	55,700	1.28	-
Congres	ss Improvement Subtotal	77,800	1.79	-
BS-2	Barton Springs Improvement 2	35,500	0.81	-
BS-3	Barton Springs - E Riverside Intersection	6,500	0.15	-
Barton	Springs Improvement Subtotal	42,000	0.96	-

^{*}Preliminary estimation of areas based on conceptual design and subject to change

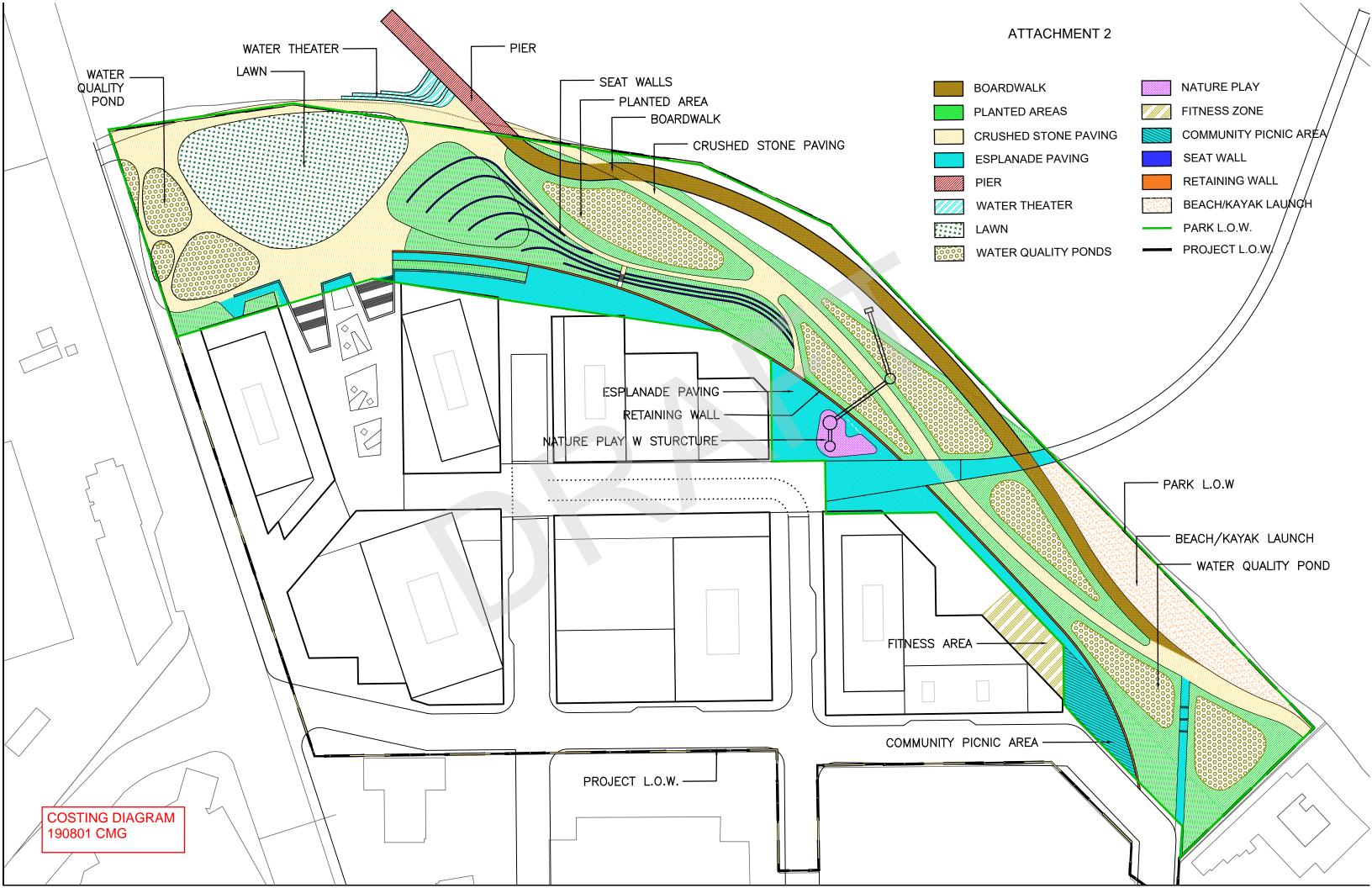


South Central Waterfront

2.b.i. Cost Estimates Packet for Site Improvements from Endeavor Real Estate Group

2. Waterfront Park Concept Map Updated: March 12, 2020

CON.	TEN	ΓS	WHAT'S NEW
2.b.i.		Estimates Packet for Site Improvements Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements
	2:	Waterfront Park Concept Map	(prepared by Endeavor consultant: CMG Landscape Architecture)



South Central Waterfront

2.b.i. Cost Estimates Packet for Site Improvements from Endeavor Real Estate Group

3. Waterfront Park Cost Estimates Table

Updated: March 12, 2020

CON	TEN [.]	TS	WHAT'S NEW						
2.b.i.		Estimates Packet for Site Improvements n Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements						
	3:	Waterfront Park Cost Estimates Table	(prepared by Endeavor consultant: CMG Landscape Architecture)						

ATTACHMENT 3

2019 305 S CONGRESS PUBLIC REALM CONCEPT DESIGN EST							8/9/2019
ITEM	AREA (SF)	AREA (AC)	QTY	UNIT	UNIT COST	TOTAL COST	NOTES
							Site area includes all improvements within the Waterfront Park L.O.W. Staking and layout, site clearing and
Site Preparation (Demo, Utility, Earthwork)	334,300	7.67		SF	\$5.25	\$1,755,075	grubbing, tree removal and disposal and rough grading
Heritage Tree Relocation			15	EA	\$115,000.00		Assumes 15 of 22 Heritage Trees will be relocated
Tree Protection & Care			210	EA	\$2,000.00	\$420,000	Michael Embesi cost plus buffer
							Wood decking - 50% on grade, 50% on piers over water with metal guard rail throughout (ERG also
Boardwalk	20,502	0.47		SF	\$175.00	\$3,587,850	contemplates a bulkhead, which will reduce the cost of this line item)
							Predominately ornamental planting. Includes soil amendments and mulch. Includes planting areas in Water
Planting	147,066	3.38		SF	\$20.00	\$2,941,320	Quality Ponds as well
Irrigation	182,274	4.18		SF	\$5.00	\$911,370	Subsurface Drip includes pump, meter, back-flow preventer and controllers
Lawn	35,208	0.81		SF	\$5.00		Sod, planting soil and coarse sand drainage
					,		,
Crushed Stone Paving + Trail Amenities	56,698	1.30		SF	\$12.00	\$680 376	Stabilized crushed stone paving, vehicular grade for maintenance (see attached packet for additional details)
Esplanade Paving & Amenities (On-Structure)	45,001	1.03		SF	\$45.00		Precast Concrete Unit Pavers with subgrade preparation, base materials, and grading for pedestrian
Retaining Walls	2,332	1.03		LF	\$450.00		CIP reinforced concrete retaining walls with guard rail where needed
Seat Walls	1,558			LF	\$250.00		18"X18" CIP Seatwall
Stairs	48			LF	\$200.00		
Stairs	48			LF	\$200.00	\$9,600	10 stairs-6' wide, and 8 stairs-10' wide - includes handrails, CIP Concrete
							Top soil, filter fabric, drain rock, etc. Final SF requirements to be coordinated with Civil. Additional green
							infrastructure measures will need to be incorporated into the estimates for the garage and MEP systems;
Water Quality Pond/Biofiltration Area	57,000	1.31		SF	\$20.00	\$1,140,000	however, the design team is still coordinating these efforts.
Amenities:							
Bat Viewing Feature				LS	\$230,000.00	\$230,000	Design TBD
Bat Viewing Signage				LS	\$250,000.00	\$250,000	BCI: Bat Conservation International Collaboration for special educational signage
Pier	4,213	0.10		SF	\$175.00		Wood decking on piers with metal guardrails
Water Theater	,			-	\$800,000.00		Allowance. CIP Concrete Steps/Seatwalls at Water's Edge
Natural Beach & Kayak Launch	16,535	0.38		SF	\$25.00		Sand, boulders and platform for kayak launch
Natural Beach & Rayak Edulich	10,333	0.38		31	\$23.00	3413,373	
					44 000 000 00		Allowance. Design TBD, custom play structure with lookout onto lake, predominately wood. Play safety
Nature/Adventure Play				LS	\$1,000,000.00		surface. Also includes allowance for smaller play moments along waters edge.
Public Art Allowance				LS	\$1,250,000.00	\$1,250,000	
							Combo of approx. 14' tall pole lights and smaller/detailed specialty lighting. Also includes specialty lighting
Lighting & Electrical				LS	\$3,000,000.00	\$3,000,000	considerations for bat viewing.
Power & AV				LS	\$450,000.00	\$450,000	Allowance. Electrical services sufficient for events.
							Amenities only (paving not included). Shade Structure, Picnic Tables (6), Benches (4), BBQs, Trash Cans. Exact
Community Picnic Area				15	\$200,000.00	\$200,000	
Site Furnishings (without Community Picnic Area)				LS	\$400,000.00		
					1		
Fitness Pavilion				LS	\$500,000.00		Allowance. Catalog Multi-use exercise station. Exact location TBD.
Showers & Restroom				LS	\$500,000.00		Allowance. Pre-fabricated Structure with outdoor shower and 2 Stalls.
Plaza Water Feature (On-Structure)						\$0	Included in Great Steps Infrastructure Budget
WATERFRONT PARK SUBTOTAL	334,300	7.67			\$79.39	\$26,541,191	
Contractor's Overhead, Profit & Insurance; General Condition	ns & Site Requirements		14%			\$3,715,767	Security, Equipment, Temporary Facilities included
Traffic Control/Interim Trail Conditions						\$750,000	
SUBTOTAL						\$31,006,958	
Escalation (2-years to mid-point of construction)			6%			\$1,860,417	
SUBTOTAL			0,0			\$32,867,375	
			10%			\$3,286,738	
Design Contingency			10%				
TOTAL CONSTRUCTION COST						\$36,154,113	
SOFT COSTS							NOTES
Landscape Architect						\$2,000,000	
Masterplan/Amenity Architect						\$250,000	
Lighting Consultant						\$200,000	
Signage/Wayfinding Consultant						\$125,000	
Bat Consultant						\$25,000	
Playground Consultant						\$25,000	
Sustainability Consultant						\$50,000	
Arborist						\$25,000	
Structural							Includes work for Pier Pilings and Retaining Walls
Civil Engineering/MEP						\$711,691	Total Estimated Cost across project is \$1.75M> 7.67 acres / 18.86 total site area = \$711,691
Irrigation						\$50,000	
Legal Fees/POA Formation						\$300,000	
City of Austin Site Development & Permit Fees						\$400,000	
Soft Cost Contingency			10%			\$466,169	
			10%				
SOFT COST SUBTOTAL						\$5,127,861	
TOTAL HARD PLUS SOFT COSTS						\$41,281,973	
Development Fee			3%			\$1,238,459	
20.0.5pmeneree			370			72,230,433	
						\$42,520,432	
GRAND TOTAL							

South Central Waterfront

2.b.i. Cost Estimates Packet for Site Improvements from Endeavor Real Estate Group

4. Site Infrastructure - Program Cost Metrics Spreadsheet Updated: March 12, 2020

CON.	TEN	TS	WHAT'S NEW
2.b.i.		t Estimates Packet for Site Improvements n Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements
	4:	Site Infrastructure - Program Cost Metrics Spreadsheet	(prepared by Endeavor consultant: DPR Construction)

Program Cost Metrics





	Program	GSF		\$/SF		Cost
D 4			¢	•	\$	
R-1	Site Utility Removal / Relocation	402,000	\$	2.70		1,086,171
C-1	Congress Intersection 1	22,100	\$	253.38	\$	5,599,727
C-2	Congress Improvement 2	55,700	\$	21.17	\$	1,179,388
BS-1	Barton Springs Segment 1	71,200	\$	54.62	\$	3,888,993
BS-2	Barton Springs Segment 2	35,500	\$	71.05	\$	2,522,241
BS-3	Barton Springs Intersection	6,500	\$	345.01	\$	2,242,593
P-1	Great Steps Plaza 1	28,300	\$	115.76	\$	3,276,077
P-2	Landscape Plaza 2	3,098	\$	208.88	\$	647,110
P-3	Landscape Plaza 3	3,322	\$	117.12	\$	389,076
P-4	Landscape Plaza 4	13,781	\$	82.74	\$	1,140,210
P-5	Landscape Plaza 5	9,327	\$	77.93	\$	726,816
P-6	Landscape Plaza 6	3,236	\$	99.78	\$	322,879
P-7	Landscape Plaza 7	16,100	\$	77.45	\$	1,246,936
S-1	Internal Streets Segment 1	15,700	\$	61.95	\$	972,607
S-2	Shared Street Segment 2	26,350	\$	48.30	\$	1,272,604
S-3	Internal Streets Segment 3	16,400	\$	50.50	\$	828,138
S-4	Shared Street Segment 4	10,100	\$	63.40	\$	640,355
WQ-1	Barton Springs Water Quality	113,200	\$	13.00	\$	1,471,600
WQ-2	Plaza 7 Water Quality	16,100	\$	13.00	\$	209,300
	Internal Street Water Quality	68,550	\$	13.00	\$	891,150
G-1	Lakefront Park Design	,				Excluded
G-2	Relocation of Trees					Excluded
G-3	Regrading Works	718,740	\$	4.56	\$	3,277,428
	-3 3				T	
	Total Area				\$	33,831,396

Notes:

- 1) All prices include tax, insurances, fees and markups.
- 2) Escalation is included at the rate of five percent (5%) per annum for two (2) years.
- 3) Prices are based on recent cost for projects located in the City of Austin CBD

	UTILITY RE	MO	VAL		CONGRESS	IMI	PROVEMENTS	CONGRESS IMPROVEMENTS							
					Congres	s Int	tersection 1		Congress	Im	provement 2				
	R-1	1				C-	1	C-2							
		402,000					22,100			55,70					
	Total Cost	Unit Cost			Total Cost		Unit Cost	_	Total Cost		Unit Cost				
F3010 - STRUCTURE DEMOLITION	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G1010 - SITE CLEARING	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G1020 - SITE ELEMENTS DEMOLITION	\$ 402,000	\$	1.00	\$	-	\$	-	\$	-	\$	-				
G1030 - SITE ELEMENTS RELOCATION	\$ 402,000	\$	1.00	\$	-	\$	-	\$	-	\$	-				
G1070 - SITE EARTHWORK	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G2010 - ROADWAYS	\$ -	\$	-	\$	4,145,000	\$	-	\$	350,000	\$	-				
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$ -	\$	-	\$	-	\$	-	\$	170,000	\$	-				
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G2060 - SITE DEVELOPMENT	\$ -	\$	1	\$	-	\$	-	\$	187,000	\$	-				
G2080 - LANDSCAPING	\$ -	\$	-	\$	-\	\$	-	\$	166,000	\$	-				
G3010 - WATER UTILITIES	\$	\$	-	\$	-	\$	-	\$	-	\$	-				
G3020 - SANITARY SEWERAGE UTILITIES	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G3030 - STORM DRAINAGE UTILITIES	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G3050 - SITE ENERGY DISTRIBUTION	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G3060 - SITE FUEL DISTRIBUTION	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$ -	\$		\$	-	\$	-	\$	-	\$	-				
G4050 - SITE LIGHTING	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
G5010 - SITE COMMUNICATIONS SYSTEMS	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
SUBTOTAL	\$ 804,000	\$	2.00	\$	4,145,000	\$	187.56	\$	873,000	\$	15.67				
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$ 48,240	\$	0.12	\$	248,700	\$	11.25	\$	52,380	\$	0.94				
PERMITS & FEES	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-				
INSURANCE, FEES & MARKUPS	\$ 47,725	\$	0.12	\$	246,047	\$	11.13	\$	51,821	\$	0.93				
CONTINGENCY	\$ 85,224	\$	0.21	\$	439,370	\$	19.88	\$	92,538	\$	1.66				
ESCALATION	\$ 100,982	\$	0.25	\$	520,610	\$	23.56	\$	109,648	\$	1.97				
SUBTOTAL	\$ 282,171	\$	0.70	\$	1,454,727	\$	65.82	\$	306,388	\$	5.50				
GRAND TOTAL	\$ 1,086,171	\$	2.70	\$	5,599,727	\$	253.38	\$	1,179,388	\$	21.17				

	BARTON SPRING EXTENSI			EXTENSION	BARTON SPRING EXTENSION					BARTON SPRING EXTENSION			
		Segm	en	t 1		Segm	ent	2		Inters	ectio	n	
		BS	5-1		BS-2					BS-3			
				71,200				35,500			6,500		
	1	Total Cost		Unit Cost		Total Cost		Unit Cost	Total Cost		Unit Cost		
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1010 - SITE CLEARING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1070 - SITE EARTHWORK	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G2010 - ROADWAYS	\$	335,000	\$	-	\$	667,000	\$	-	\$	1,660,000	\$	-	
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$	54,000	\$	•	\$	124,000	\$	-	\$	-	\$	-	
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G2060 - SITE DEVELOPMENT	\$	920,000	\$	-	\$	515,000	\$	-	\$	-	\$	-	
G2080 - LANDSCAPING	\$	475,000	\$	-	\$	323,000	\$	-	\$	-	\$	-	
G3010 - WATER UTILITIES	\$	240,000	\$	-	\$	119,000	\$	-	\$	-	\$	-	
G3020 - SANITARY SEWERAGE UTILITIES	\$	240,000	\$	-	\$	119,000	\$	-	\$	-	\$	-	
G3030 - STORM DRAINAGE UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3060 - SITE FUEL DISTRIBUTION	\$	120,000	\$	-	\$	-	\$	-	\$	-	\$	-	
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	300,000	\$		\$	-	\$	-	\$	-	\$	-	
G4050 - SITE LIGHTING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	180,000	\$	-	\$	-	\$	-	\$	-	\$	-	
SUBTOTAL	\$	2,864,000	\$	40.22	\$	1,867,000	\$	52.59	\$	1,660,000	\$	255.38	
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	171,840	\$	2.41	\$	112,020	\$	3.16	\$	99,600	\$	15.32	
PERMITS & FEES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
INSURANCE, FEES & MARKUPS	\$	170,007	\$	2.39	\$	110,825	\$	3.12	\$	98,538	\$	15.16	
CONTINGENCY	\$	321,584	\$	4.52	\$	197,902	\$	5.57	\$	175,960	\$	27.07	
ESCALATION	\$	361,562	\$	5.08	\$	234,494	\$	6.61	\$	208,495	\$	32.08	
SUBTOTAL	\$	1,024,993	\$	14.40	\$	655,241	\$	18.46	\$	582,593	\$	89.63	
GRAND TOTAL	\$	3,888,993	\$	54.62	\$	2,522,241	\$	71.05	\$	2,242,593	\$	345.01	

	PLAZA			PLAZA					PLAZA				
		Great	St	eps	Plaza 2					Plaza 3			
		P.	-1		P-2					P-3			
				28,300	3,098					3			
	1	Total Cost		Unit Cost	1	Total Cost		Unit Cost	Total Cost		Ţ	Jnit Cost	
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1010 - SITE CLEARING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G1070 - SITE EARTHWORK	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G2010 - ROADWAYS	\$	-	\$	1	\$	-	\$	-	\$	-	\$		
G2030 - PEDESTRIAN PLAZAS & WALKWAYS			\$	-	\$	110,000	\$	35.51	\$	108,000	\$	32.51	
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$	-	\$	-	\$	-	\$		
G2060 - SITE DEVELOPMENT	\$	1,350,000	\$	-	\$	221,000	\$	71.34	\$	85,000	\$	25.59	
G2080 - LANDSCAPING	\$	875,000	\$	-	\$	48,000	\$	15.49	\$	45,000	\$	13.55	
G3010 - WATER UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3020 - SANITARY SEWERAGE UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3030 - STORM DRAINAGE UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3060 - SITE FUEL DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	-	\$		\$	-	\$	-	\$	-	\$	-	
G4050 - SITE LIGHTING	\$	200,000	\$	7.07	\$	100,000	\$	32.28	\$	50,000	\$	15.05	
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
SUBTOTAL	\$	2,425,000	\$	85.69	\$	479,000	\$	154.62	\$	288,000	\$	86.69	
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	145,500	\$	5.14	\$	28,740	\$	9.28	\$	17,280	\$	5.20	
PERMITS & FEES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
INSURANCE, FEES & MARKUPS	\$	143,948	\$	5.09	\$	28,433	\$	9.18	\$	17,096	\$	5.15	
CONTINGENCY	\$	257,050	\$	9.08	\$	50,774	\$	16.39	\$	30,528	\$	9.19	
ESCALATION	\$	304,579	\$	10.76	\$	60,162	\$	19.42	\$	36,173	\$	10.89	
SUBTOTAL	\$	851,077	\$	30.07	\$	168,110	\$	54.26	\$	101,076	\$	30.43	
GRAND TOTAL	\$	3,276,077	\$	115.76	\$	647,110	\$	208.88	\$	389,076	\$	117.12	

	PLAZA					PLA	٩Z٨	1	PLAZA					
		Pla	za 4	4		Pla	za !	5		Pla	za 6			
		P.	-4			P	25			P	6			
				13,781				9,327				3,236		
	1	otal Cost		Unit Cost	1	otal Cost		Unit Cost	1	Total Cost	Ţ	Jnit Cost		
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1010 - SITE CLEARING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1070 - SITE EARTHWORK	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G2010 - ROADWAYS	\$	-	\$	-	\$	-	\$ -			-	\$	-		
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$	445,000	\$	32.29	\$	300,000	\$	90.31	\$	105,000	\$	31.61		
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G2060 - SITE DEVELOPMENT	\$	184,000	\$	13.35	\$	100,000	\$	30.10	\$	65,000	\$	19.57		
G2080 - LANDSCAPING	\$	140,000	\$	10.16	\$	88,000	\$	26.49	\$	44,000	\$	13.25		
G3010 - WATER UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G3020 - SANITARY SEWERAGE UTILITIES	\$		\$	-	\$	-	\$	-	\$	-	\$	-		
G3030 - STORM DRAINAGE UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G3060 - SITE FUEL DISTRIBUTION	\$		\$	-	\$	-	\$	-	\$	-	\$	-		
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	-	\$		\$	-	\$	-	\$	-	\$	-		
G4050 - SITE LIGHTING	\$	75,000	\$	5.44	\$	50,000	\$	15.05	\$	25,000	\$	7.53		
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
SUBTOTAL	\$	844,000	\$	61.24	\$	538,000	\$	57.68	\$	239,000	\$	73.86		
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	50,640	\$	3.67	\$	32,280	\$	3.46	\$	14,340	\$	4.43		
PERMITS & FEES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
INSURANCE, FEES & MARKUPS	\$	50,100	\$	3.64	\$	31,936	\$	3.42	\$	14,187	\$	4.38		
CONTINGENCY	\$	89,464	\$	6.49	\$	57,028	\$	6.11	\$	25,334	\$	7.83		
ESCALATION	\$	106,006	\$	7.69	\$	67,572	\$	7.24	\$	30,018	\$	9.28		
SUBTOTAL	\$	296,210	\$	21.49	1 '		\$ 20.24		\$	83,879	\$	25.92		
GRAND TOTAL	\$ 1,140,210 \$ 82.74 \$			\$	726,816	16 \$ 77.93			322,879	\$	99.78			

	Plaza					STR	REE	Τ	STREET					
		Pla	za	7	ı	nternal Stre	et S	Segment 1		Inters	ecti	on		
		P.	-7			S	-1			S	-2			
				16,100				15,700				26,350		
	1	otal Cost		Unit Cost	1	Total Cost		Unit Cost	•	Total Cost	ı	Jnit Cost		
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1010 - SITE CLEARING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G1070 - SITE EARTHWORK	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G2010 - ROADWAYS	\$	53,000	\$	-	\$	68,000	\$	4.33	\$	15,000	\$	-		
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$	242,000	\$	1	\$	53,000	\$	3.38	\$	11,000	\$	-		
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G2060 - SITE DEVELOPMENT	\$	326,000	\$	-	\$	284,000	\$	18.09	\$	36,000	\$	-		
G2080 - LANDSCAPING	\$	101,000	\$	-	\$	96,000	\$	6.11	\$	13,000	\$	-		
G3010 - WATER UTILITIES	\$	96,000	\$	-	\$	48,000	\$	3.06	\$	18,000	\$	-		
G3020 - SANITARY SEWERAGE UTILITIES	\$	70,000	\$	-	\$	48,000	\$	3.06	\$	13,000	\$	-		
G3030 - STORM DRAINAGE UTILITIES	\$	35,000	\$	-	\$	-	\$	1	\$	-	\$	-		
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G3060 - SITE FUEL DISTRIBUTION	\$		\$	-	\$	24,000	\$	1.53	\$	-	\$	-		
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	-	\$		\$	60,000	\$	3.82	\$	-	\$	-		
G4050 - SITE LIGHTING	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	-	\$	-	\$	36,000	\$	-	\$	-	\$	-		
SUBTOTAL	\$	923,000	\$	57.33	\$	717,000	\$	45.67	\$	106,000	\$	4.02		
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	55,380	\$	3.44	\$	43,020	\$	2.74	\$	6,360	\$	0.24		
PERMITS & FEES	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
INSURANCE, FEES & MARKUPS	\$	54,789	\$	3.40	\$	42,561	\$	2.71	\$	6,292	\$	0.24		
CONTINGENCY	\$	97,838	\$	6.08	\$	79,602	\$	5.07	\$	11,236	\$	0.43		
ESCALATION	\$	115,928	\$	7.20	0 \$ 90,424 \$ 5.76		\$	13,314	\$	0.51				
SUBTOTAL	\$	323,936	\$	20.12	\$	255,607	\$	16.28	\$	37,202	\$	1.41		
GRAND TOTAL	\$	1,246,936	\$	77.45	\$	972,607				143,202	\$	5.43		

		STR	EET		STR	REE	Γ	STREET				
		Segm	ent	2	Inters	ecti	ion	ı	nternal Stre	et S	egment 3	
		S-	2		S	-2			S	-3		
				26,350			26,350				16,400	
		otal Cost		Unit Cost	Total Cost		Unit Cost		Total Cost		Unit Cost	
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G1010 - SITE CLEARING	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G1070 - SITE EARTHWORK	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G2010 - ROADWAYS	\$	157,000	\$	-	\$ 15,000	\$	-	\$	75,000	\$	4.57	
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$	77,000	\$	-	\$ 11,000	\$	-	\$	35,000	\$	2.13	
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G2060 - SITE DEVELOPMENT	\$	295,000	\$	- \	\$ 36,000	\$	-	\$	288,000	\$	17.56	
G2080 - LANDSCAPING	\$	76,000	\$	-	\$ 12,000	\$	-	\$	115,000	\$	7.01	
G3010 - WATER UTILITIES	\$	73,000	\$	-	\$ 18,000	\$	-	\$	50,000	\$	3.05	
G3020 - SANITARY SEWERAGE UTILITIES	\$	53,000	\$	-	\$ 13,000	\$	-	\$	50,000	\$	3.05	
G3030 - STORM DRAINAGE UTILITIES	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G3060 - SITE FUEL DISTRIBUTION	\$		\$		\$ -	\$	-	\$	-	\$	-	
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	-	\$		\$ -	\$	-	\$	-	\$	-	
G4050 - SITE LIGHTING	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
SUBTOTAL	\$	731,000	\$	27.74	\$ 105,000	\$	3.98	\$	613,000	\$	37.38	
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	43,860	\$	1.66	\$ 6,300	\$	0.24	\$	36,780	\$	2.24	
PERMITS & FEES	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
INSURANCE, FEES & MARKUPS	\$	43,392	\$	1.65	\$ 6,233	\$	0.24	4 \$ 36,388 \$			2.22	
CONTINGENCY	\$	77,486	\$	2.94	\$ 11,130	\$	0.42	0.42 \$ 64,978 \$			3.96	
ESCALATION	\$	91,813	\$	3.48	\$ 13,188	\$	0.50	\$	76,992	\$	4.69	
SUBTOTAL	\$ 256,551 \$ 9.74 \$ 36,851 \$				1.40	\$	215,138	\$	13.12			
GRAND TOTAL					\$ 141,851	\$	5.38	\$	828,138	\$ 50.50		



	STREET				GREEN					TOTAL COST			
		Inters	ecti	on		Regradir	ng \	Vorks					
		S	-4			G	-3			Project Site	- 16.	5 Acres	
				10,100				-				718,740	
	T	otal Cost	Į	Unit Cost	٦	Total Cost		Unit Cost		Total Cost	J	Jnit Cost	
F3010 - STRUCTURE DEMOLITION	\$	-	\$	-	\$	1	\$		\$	-	\$	-	
G1010 - SITE CLEARING	\$	-	\$	-	\$	266,000	\$	-	\$	2,051,000	\$	2.85	
G1020 - SITE ELEMENTS DEMOLITION	\$	-	\$	-	\$	200,000	\$	-	\$	602,000	\$	0.84	
G1030 - SITE ELEMENTS RELOCATION	\$	-	\$	-	\$	-	\$	-	\$	402,000	\$	0.56	
G1070 - SITE EARTHWORK	\$	-	\$	-	\$	1,600,000	\$	-	\$	1,600,000	\$	2.23	
G2010 - ROADWAYS	\$	111,000	\$	-	\$	-	\$	-	\$	5,896,000	\$	8.20	
G2030 - PEDESTRIAN PLAZAS & WALKWAYS	\$	50,000	\$	-	\$	-	\$	-	\$	4,197,000	\$	5.84	
G2050 - ATHLETIC, RECREATION & PLAYFIELDS	\$	-	\$	-	\$	-	\$	-	\$	1,250,000	\$	1.74	
G2060 - SITE DEVELOPMENT	\$	263,000	\$	- \	\$	-	\$	-	\$	6,608,000	\$	9.19	
G2080 - LANDSCAPING	\$	50,000	\$	-	\$	360,000	\$	-	\$	12,202,000	\$	16.98	
G3010 - WATER UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	662,000	\$	0.92	
G3020 - SANITARY SEWERAGE UTILITIES	\$		\$	-	\$	-	\$	-	\$	606,000	\$	0.84	
G3030 - STORM DRAINAGE UTILITIES	\$	-	\$	-	\$	-	\$	-	\$	35,000	\$	0.05	
G3050 - SITE ENERGY DISTRIBUTION	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
G3060 - SITE FUEL DISTRIBUTION	\$		\$	-	\$	-	\$	-	\$	144,000	\$	0.20	
G4010 - SITE ELECTRIC DISTRIBUTION SYSTEMS	\$	-	\$		\$	-	\$	-	\$	360,000	\$	0.50	
G4050 - SITE LIGHTING	\$	-	\$	-	\$	-	\$	-	\$	1,935,000	\$	2.69	
G5010 - SITE COMMUNICATIONS SYSTEMS	\$	-	\$	-	\$	-	\$	-	\$	216,000	\$	0.30	
SUBTOTAL	\$	474,000	\$	46.93	\$	2,426,000	\$	-	\$	38,766,000	\$	53.94	
GENERAL REQUIREMENTS & GENERAL CONDITIONS	\$	28,440	\$	2.82	\$	145,560	\$	-	\$	2,325,960	\$	3.24	
PERMITS & FEES	\$	-	\$	-	\$	-	\$	-	\$ - \$			-	
INSURANCE, FEES & MARKUPS	\$	28,137	\$	2.79	\$	144,007	\$	-	\$ 2,301,150 \$			3.20	
CONTINGENCY	\$	50,244	\$	4.97	\$	257,156	\$	-	- \$ 4,130,796 \$			5.75	
ESCALATION	\$	59,534	\$	5.89	\$	304,704	\$	-	\$	4,871,200	\$	6.78	
SUBTOTAL	\$	166,355	\$	16.47	\$	851,428	\$	•	\$	13,629,106	\$	18.96	
GRAND TOTAL	\$	640,355	\$	63.40	\$	3,277,428	\$	-	\$	52,395,106	\$	72.90	

C-1

Congress Intersection



 Typical
 Length
 If

 Section Width
 If

 Area
 21,000
 sf

 Turn Lane
 Length
 If

 Section Width
 If
 Area

Code	Code	Description	Qty	UOM	U/P	/UOM		Extension
G2010		Curb & Gutter		lf	\$ 18.00	/lf	\$	-
G2010		Asphalt Pavement - Typical	22,100.0	sf	\$ 5.45	/sf	\$	120,445
G2010		Asphalt Pavement - Turn Lane		sf	\$ 3.00	/sf	\$	-
G2010		Striping	22,100.0	sf	\$ 0.25	/sf	\$	5,525
G2010		Bike Lane		sf	\$ 3.00	/sf	\$	-
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$	-
G2010		Street Lights / Light Poles - 90' Spacing	4.0	ea	\$ 5,000.00	/ea	\$	20,000
G2010		Traffic Signals	1.0	ls	\$ 4,000,000.00	/ls	\$	4,000,000
G2030		Sidewalk		sf	\$ 8.00	/sf	\$	-
G2030		ADA Ramps		ea	\$ 2,500.00	/ea	\$	-
G2060		Tree Grates		ea	\$ 3,500.00	/ea	\$	-
G2060		Site Furnishings		ls	\$ 100,000.00	/ls	\$	-
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$	-
G2080		Landscape Strip		sf	\$ 10.00	/sf	\$	-
G2080		Trees - 20' Spacing		ea	\$ 2,800.00	/ea	\$	-
G3010		12" Water Line	-	lf	\$ 200.00	/lf	\$	-
G3010		Auxillary Water	-	If	\$ -	/lf	\$	-
G3020		8" Waste Water Line	-	If	\$ 200.00	/lf	\$	-
G3030		Storm Drain	-	If	\$ -	/lf	\$	-
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-
G3090		District Cooling	-	lf	\$ -	W	/Dis	trict Cooling
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
7						/	\$	-

Total \$ 4,145,970

Notes

C-2

Congress Improvements



 Typical
 Length
 If

 Section Width
 If

 Area
 55,700 sf

 Turn Lane
 Length
 If

 Section Width
 If

 Area
 22,100 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension
G2010		Curb & Gutter		lf	\$ 18.00	/lf	\$	-
G2010		Asphalt Pavement - Typical	55,700.0	sf	\$ 3.00	/sf	\$	167,100
G2010		Asphalt Pavement - Turn Lane	22,100.0	sf	\$ 3.00	/sf	\$	66,300
G2010		Striping	77,800.0	sf	\$ 0.25	/sf	\$	19,450
G2010		Bike Lane	9,600.0	sf	\$ 3.00	/sf	\$	28,800
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$	-
G2010		Street Lights / Light Poles - 90' Spacing	14.0	ea	\$ 5,000.00	/ea	\$	70,000
G2010		Traffic Signals	-	ls	\$ 500,000.00	/Is	\$	-
G2030		Sidewalk	20,000.0	sf	\$ 8.00	/sf	\$	160,000
G2030		ADA Ramps	4.0	ea	\$ 2,500.00	/ea	\$	10,000
G2060		Tree Grates	25.0	ea	\$ 3,500.00	/ea	\$	87,500
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/Is	\$	100,000
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$	-
G2080		Landscape Strip	9,600.0	sf	\$ 10.00	/sf	\$	96,000
G2080		Trees - 20' Spacing	25.0	ea	\$ 2,800.00	/ea	\$	70,000
G3010		12" Water Line	-	lf	\$ 200.00	/If	\$	-
G3010		Auxillary Water	-	lf	\$ -	/If	\$	-
G3020		8" Waste Water Line	-	lf	\$ 200.00	/If	\$	-
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-
G3060		Natural Gas	-	lf	\$ 100.00	/If	\$	-
G3090		District Cooling	-	lf	\$ -	w/Di	stric	ct Cooling
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/If	\$	-
G5010		Telecom Ductbank	-	lf	\$ 150.00	/If	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-

Total \$ 875,150

Notes

BS-1 BARTON SPRINGS SEGMENT 1



 Typical
 Length
 1,050 lf

 Section Width
 56 lf

 Area
 58,800 sf

 Turn Lane
 Length
 150 lf

 Section Width
 59 lf

 Area
 8,850 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension
G2010		Curb & Gutter	2,310.0	lf	\$ 18.00	/lf	\$	41,580
G2010		Asphalt Pavement - Typical	28,350.0	sf	\$ 3.00	/sf	\$	85,050
G2010		Asphalt Pavement - Turn Lane	4,500.0	sf	\$ 3.00	/sf	\$	13,500
G2010		Striping	32,850.0	sf	\$ 0.25	/sf	\$	8,213
G2010		Bike Lane	11,100.0	sf	\$ 3.00	/sf	\$	33,300
G2010		Unidentified Strip - Assume Concrete	2,220.0	sf	\$ 8.00	/sf	\$	17,760
G2010		Street Lights / Light Poles - 90' Spacing	27.0	ea	\$ 5,000.00	/ea	\$	135,000
G2010		Traffic Signals	1.0	ls	\$ -	/ls	\$	-
G2030		Sidewalk	5,550.0	sf	\$ 8.00	/sf	\$	44,400
G2030		ADA Ramps	4.0	ea	\$ 2,500.00	/ea	\$	10,000
G2060		Tree Grates	120.0	ea	\$ 3,500.00	/ea	\$	420,000
G2060		Site Furnishings	1.0	ls	\$ 500,000.00	/ls	\$	500,000
G2080		Bioswale	7,200.0	sf	\$ 10.00	/sf	\$	72,000
G2080		Landscape Strip	6,660.0	sf	\$ 10.00	/sf	\$	66,600
G2080		Trees - 20' Spacing	120.0	ea	\$ 2,800.00	/ea	\$	336,000
G3010		12" Water Line	1,200.0	lf	\$ 200.00	/lf	\$	240,000
G3010		Auxillary Water	-	lf	\$ -	/lf	\$	-
G3020		8" Waste Water Line	1,200.0	lf	\$ 200.00	/lf	\$	240,000
G3030		Storm Drain	-	lf	\$ -	/If	\$	-
G3060		Natural Gas	1,200.0	lf	\$ 100.00	/lf	\$	120,000
G3090		District Cooling	-	lf	\$ -	w/Di	stric	ct Cooling
G4010		Permanent Power Ductbank	1,200.0	lf	\$ 250.00	/lf	\$	300,000
G5010		Telecom Ductbank	1,200.0	lf	\$ 150.00	/If	\$	180,000
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-

Total \$ 2,863,403

Notes

BS-2 BARTON SPRINGS SEGMENT 2



Typical	Length	445 lf
	Section Width	66 If
	Area	29,370 sf
Turn Lane	Length	150 lf
	Section Width	69 If
	Area	10.350 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	1,190.0	lf	\$ 18.00	/lf	\$ 21,420	
G2010		Asphalt Pavement - Typical	12,015.0	sf	\$ 3.00	/sf	\$ 36,045	
G2010		Asphalt Pavement - Turn Lane	4,500.0	sf	\$ 3.00	/sf	\$ 13,500	
G2010		Striping	16,515.0	sf	\$ 0.25	/sf	\$ 4,129	
G2010		Bike Lane	7,140.0	sf	\$ 3.00	/sf	\$ 21,420	
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$ -	
G2010		Street Lights / Light Poles - 90' Spacing	14.0	ea	\$ 5,000.00	/ea	\$ 70,000	
G2010		Traffic Signals	1.0	ls	\$ 500,000.00	/Is	\$ 500,000	
G2030		Sidewalk	14,875.0	sf	\$ 8.00	/sf	\$ 119,000	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	
G2060		Tree Grates	90.0	ea	\$ 3,500.00	/ea	\$ 315,000	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$ 200,000	
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$ -	
G2080		Landscape Strip	7,140.0	sf	\$ 10.00	/sf	\$ 71,400	
G2080		Trees - 20' Spacing	90.0	ea	\$ 2,800.00	/ea	\$ 252,000	
G3010		12" Water Line	595.0	lf	\$ 200.00	/lf	\$ 119,000	
G3010		Auxillary Water	-	lf	\$ -	/lf	\$ -	
G3020		8" Waste Water Line	595.0	lf	\$ 200.00	/lf	\$ 119,000	
G3030		Storm Drain	-	If	\$ -	/lf	\$ -	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$ -	w/Di	strict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	

Total \$ 1,866,914

Notes

BS-3

Barton Springs Intersection



 Typical
 Length
 If

 Section Width
 If

 Area
 6,500
 sf

 Turn Lane
 Length
 If

 Section Width
 If
 Area
 sf

Code	Code	Description	Qty	UOM	U/P	/UOM		Extension
G2010		Curb & Gutter		lf	\$ 18.00	/lf	\$	-
G2010		Asphalt Pavement - Typical	6,500.0	sf	\$ 5.75	/sf	\$	37,375
G2010		Asphalt Pavement - Turn Lane		sf	\$ 3.00	/sf	\$	-
G2010		Striping	6,500.0	sf	\$ 0.25	/sf	\$	1,625
G2010		Bike Lane		sf	\$ 3.00	/sf	\$	-
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$	-
G2010		Street Lights / Light Poles - 90' Spacing	4.0	ea	\$ 5,000.00	/ea	\$	20,000
G2010		Traffic Signals	1.0	ls	\$ 1,601,000.00	/Is	\$	1,601,000
G2030		Sidewalk		sf	\$ 8.00	/sf	\$	-
G2030		ADA Ramps		ea	\$ 2,500.00	/ea	\$	-
G2060		Tree Grates		ea	\$ 3,500.00	/ea	\$	-
G2060		Site Furnishings		ls	\$ 100,000.00	/Is	\$	-
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$	-
G2080		Landscape Strip		sf	\$ 10.00	/sf	\$	-
G2080		Trees - 20' Spacing		ea	\$ 2,800.00	/ea	\$	-
G3010		12" Water Line	-	lf	\$ 200.00	/If	\$	_
G3010		Auxillary Water	-	lf	\$ -	/If	\$	-
G3020		8" Waste Water Line	-	lf	\$ 200.00	/lf	\$	-
G3030		Storm Drain	-	lf	\$ -	/If	\$	-
G3060		Natural Gas	-	lf	\$ 100.00	/If	\$	-
G3090		District Cooling	-	lf	\$ -	W/	Dis ⁻	trict Cooling
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/If	\$	-
G5010		Telecom Ductbank	-	lf	\$ 150.00	/If	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-

Total \$ 1,660,000

P-1

Plaza - Great Steps



Typical Length

Section Width

225 varies

80' at south end 145' at north end

28,300 sf

Area **Elevation Change**

450' at top, 445' at bottom 5 ft

Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
		Stair Landings	4.0	ea	\$ -	/ea	\$	-]
		Landing Area - Top	1,450.0	sf	\$ -	/sf	\$	-	
		Landing Area - Mid-1	4,360.0	sf	\$ -	/sf	\$	-	
		Landing Area - Mid-2	5,375.0	sf	\$ -	/sf	\$	-	
		Landing Area - Bottom	4,900.0	sf	\$ -	/sf	\$	-	replaced by S-1 street
		Total Stair Landing Area	16,085.0	sf	\$ -	/sf	\$	-	replaced by S-1 street
		Steps - Top to Mid-1	4.0	riser	\$ -	/riser	\$	-	
		Steps - Mid 1 to Mid-2	5.0	riser	\$ -	/riser	\$	-	North side only
		Steps - Mid 2 to Bottom	5.0	riser	\$ -	/riser	\$	-	
		Step Length - Top to Mid-1	90.0	lf	\$ -	/lf	\$	-	North side only
		Step Length - Mid-1 to Mid-2	110.0	lf	\$ -	/lf	\$	-	North side only
		Step Length - Mid-2 to Bottome	135.0	If	\$ -	/lf	\$	-	
		Total Step Length	1,585.0	lf	\$ -	/lf	\$	-	
		Stair Construction							
G2060		Structural Geofoam	63,675.0	cf	\$ 5.00	/cf	\$	318,375	
G2060		Concrete Landings	16,085.0	sf	\$ 12.00	/sf	\$	193,020	
G2060		Concrete Stairs	1,585.0	lf	\$ 100.00	/lf	\$	158,500	
G2060		Concrete Walls on Sides	5,850.0	sf	\$ 25.00	/sf	\$	146,250	Assume 13' Tall, Both Si
G2060		Pavers on Landings	16,805.0	sf	\$ 15.00	/sf	\$	252,075	
G2060		Stair Treads	1,585.0	lf	\$ 25.00	/lf	\$	39,625	
G2060		Stairs Risers	1,585.0	lf	\$ 25.00	/lf	\$	39,625	
G2060		Stair Nosings	1,585.0	lf	\$ 10.00	/lf	\$	15,850	
G2060		Handrails	180.0	lf	\$ 175.00	/lf	\$	31,500	30 If per set per side of s
G2060		Center Rail	180.0	lf	\$ 250.00	/lf	\$	45,000	60 If per set of steps, 3 s
G2060		Wall Claddings - Stone	3,600.0	sf	\$ 25.00	/sf	\$	90,000	assume 10' drop, treat a
G2060		Wall Claddings - Stone Cap	550.0	lf	\$ 35.00	/lf	\$	19,250	
G2080		Furnishings	1.0	ea	\$ 200,000.00	/ea	\$	200,000	
G2080		Landscaping	1.0		\$ 175,000.00		\$	175,000	
G2080		Water Feature	1.0		\$ 500,000.00		\$	500,000	
G4050		Lighting	1.0	ls	\$ 200,000.00	/Is	\$	200,000	
						/	\$	-	
						/	\$	-	
						/	\$	-]

me 13' Tall, Both Sides, Entire Length

per set per side of steps, 3 sets of steps per set of steps, 3 sets of steps

me 10' drop, treat as triangel shape on both sides, add 3' cap wall on top

\$ 2,424,070 Total Cost/SF 85.66

Notes

P-2 Plaza

Typical Length

Section Width

Area 3,100

60 lf 3,100 sf

52 If



Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension	
G2030		Pavers and Concrete	2,480.0	sf	\$ 40.00	/sf	\$	99,200	80% of area
G2030		Tapered Insulation	2,480.0	sf	\$ 4.00	/sf	\$	9,920	
G2060		Tree Grates	6.0	ea	\$ 3,500.00	/ea	\$	21,000	
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
G2060		Water Feature	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
G2080		Trees	6.0	ea	\$ 2,800.00	/ea	\$	16,800	
G2080		Landscaping	620.0	sf	\$ 50.00	/sf	\$	31,000	20% of area
G4050		Lighting	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	1
						/	\$	-	

Total \$ 477,920 Cost/SF \$ 154.17

P-3 Plaza

Typical Length

225 If Section Width 3,375 sf Area



Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension	
G2030		Pavers and Concrete	2,700.0	sf	\$ 40.00	/sf	\$	108,000	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	10.0	ea	\$ 3,500.00	/ea	\$	35,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
G2060		Water Feature	-	ls	\$ 100,000.00	/Is	\$	-	
G2080		Trees	10.0	ea	\$ 2,800.00	/ea	\$	28,000	
G2080		Landscaping	675.0	sf	\$ 25.00	/sf	\$	16,875	20% of area
G4050		Lighting	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	1

15 If

Total \$ 287,875 Cost/SF 85.30



P-4 Plaza

Typical Length

Section Width Area

44 If 13,904 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	11,123.2	sf	\$ 40.00	/sf	\$	444,928	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	24.0	ea	\$ 3,500.00	/ea	\$	84,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
G2060		Water Feature	-	ls	\$ -	/Is	\$	-	
G2080		Trees	24.0	ea	\$ 2,800.00	/ea	\$	67,200	
G2080		Landscaping	2,780.8	sf	\$ 25.00	/sf	\$	69,520	20% of area
G4050		Lighting	1.0	ls	\$ 75,000.00	/ls	\$	75,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

316 If

Total \$ 840,648 Cost/SF 60.46



P-5 Plaza

Typical Length

Length310 IfSection Width30 IfArea9,300 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	7,440.0	sf	\$ 40.00	/sf	\$	297,600	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	15.0	ea	\$ 3,500.00	/ea	\$	52,500	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
G2060		Water Feature	-	ls	\$ -	/Is	\$	-	
G2080		Trees	15.0	ea	\$ 2,800.00	/ea	\$	42,000	
G2080		Landscaping	1,860.0	sf	\$ 25.00	/sf	\$	46,500	20% of area
G4050		Lighting	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 538,600 Cost/SF \$ 57.91



P-6 Plaza

Typical Length

Length110 lfSection Width30 lfArea3,300 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension	
G2030		Pavers and Concrete	2,640.0	sf	\$ 40.00	/sf	\$	105,600	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	10.0	ea	\$ 3,500.00	/ea	\$	35,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 30,000.00	/Is	\$	30,000	
G2060		Water Feature	-	ls	\$ -	/Is	\$	-	
G2080		Trees	10.0	ea	\$ 2,800.00	/ea	\$	28,000	
G2080		Landscaping	660.0	sf	\$ 25.00	/sf	\$	16,500	20% of area
G4050		Lighting	1.0	ls	\$ 25,000.00	/Is	\$	25,000	
·						/	\$	-	
·						/	\$	-	
						/	\$	-	
						/	\$	-	
·						/	\$	-	
1						/	\$	-	
1						/	\$	-	

Total \$ 240,100 Cost/SF \$ 72.76



P-7

Plaza - 7 (Grand Pedestrian Walkway)



Typical Length 351 If Section Width 46 If Area 16,100 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension]
G2010		Curb & Gutter	702.0	lf	\$ 18.00	/lf	\$	12,636	1
G2010		Street Lights / Light Poles - 90' Spacing	8.0	ea	\$ 5,000.00	/ea	\$	40,000	
G2030		Pathway Pavers	2,808.0	sf	\$ 15.00	/sf	\$	42,120	
G2030		Outdoor Seating Pavers	4,212.0	sf	\$ 15.00	/sf	\$	63,180	
G2030		Signature Walkway	8,775.0	sf	\$ 15.00	/sf	\$	131,625	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$	5,000	
G2060		Tree Grates	36.0	ea	\$ 3,500.00	/ea	\$	126,000	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$	200,000	
G2080		Trees - 20' Spacing	36.0	ea	\$ 2,800.00	/ea	\$	100,800	
G3010		12" Water Line	351.0	lf	\$ 200.00	/If	\$	70,200	
G3010		Auxillary Water	351.0	lf	\$ 75.00	/If	\$	26,325	
G3020		8" Waste Water Line	351.0	lf	\$ 200.00	/If	\$	70,200	
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-	
G3030		Trench Drain	351.0	lf	\$	/If	\$	35,100	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-]
G3090		District Cooling	-	lf	\$ -	w/Di	istri	ct Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-	
						/	\$	-	
						/	\$	-]
						/	\$	-	
						/	\$	-]
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 923,186 Cost/SF \$ 57.34

Notes

S-1 Internal Street Segment 1



Typical Length 238 If Section Width 66 If Area 15,700 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	476.0	lf	\$ 18.00	/If	\$ 8,568	
G2010		Asphalt Pavement - Typical	6,426.0	sf	\$ 3.00	/sf	\$ 19,278	
G2010		Striping	6,426.0	sf	\$ 0.25	/sf	\$ 1,607	
G2010		Bike Lane	2,856.0	sf	\$ 3.00	/sf	\$ 8,568	
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$ 5,000.00	/ea	\$ 30,000	
G2010		Traffic Signals	-	ls	\$ 500,000.00	/Is	\$ -	
G2030		Sidewalk	5,950.0	sf	\$ 8.00	/sf	\$ 47,600	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	
G2060		Tree Grates	24.0	ea	\$ 3,500.00	/ea	\$ 84,000	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$ 200,000	
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$ -	
G2080		Landscape Strip	2,856.0	sf	\$ 10.00	/sf	\$ 28,560	
G2080		Trees - 20' Spacing	24.0	ea	\$ 2,800.00	/ea	\$ 67,200	
G3010		12" Water Line	238.0		\$ 200.00		\$ 47,600	
G3010		Auxillary Water	-	lf	\$ -	/lf	\$ -	
G3020		8" Waste Water Line	238.0	If	\$ 200.00	/lf	\$ 47,600	
G3030		Storm Drain	-	lf	\$ -	/If	\$ -	
G3060		Natural Gas	238.0	lf	\$ 100.00	/lf	\$ 23,800	
G3090		District Cooling	-	lf	\$ -		istrict Cooling	
G4010		Permanent Power Ductbank	238.0	lf	\$ 250.00	/lf	\$ 59,500	
G5010		Telecom Ductbank	238.0	lf	\$ 150.00	/lf	\$ 35,700	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -]

Total \$ 714,581

S2 Int 1 S2 Intersection 1

Typical Length

Section Width

Area 4,400 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Ex	ctension	
G2010		Curb & Gutter	66.0	lf	\$ 18.00	/lf	\$	1,188	
G2010		Roadway Pavers	729.0	sf	\$ 15.00	/sf	\$	10,935	
G2010		Street Lights / Light Poles - 90' Spacing	-	ea	\$ 5,000.00	/ea	\$	-	
G2010		Bike Lane	792.0	sf	\$ 3.00	/sf	\$	2,376	
G2030		Pathway Pavers - North Side Only	396.0	sf	\$ 15.00	/sf	\$	5,940	
G2030		Outdoor Seating Pavers	-	sf	\$ 15.00	/sf	\$	-	replaced by S-1 street
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$	5,000	
G2060		Tree Grates	3.0	ea	\$ 3,500.00	/ea	\$	10,500	North side only
G2060		Site Furnishings	1.0	ls	\$ 25,000.00	/Is	\$	25,000	
G2080		Trees - 20' Spacing	3.0	ea	\$ 2,800.00	/ea	\$	8,400	North side only
G2080		Landscape Strip	396.0	sf	\$ 10.00	/sf	\$	3,960	North side only
G3010		12" Water Line	66.0	lf	\$ 200.00	/lf	\$	13,200	
G3010		Auxillary Water	66.0	lf	\$ 75.00	/lf	\$	4,950	
G3020		8" Waste Water Line	66.0	lf	\$ 200.00	/lf	\$	13,200	
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-	
G3090		District Cooling	-	lf	\$ -	w/Di	stric	t Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/If	\$	-	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

66 If

67 If

Total \$ 104,649 Cost/SF \$ 23.78

Notes

S2

S2 Laneway (Decorative Street)

Cross Section similar to BS-2 Extension

Typical Length

266 If 66 If

Section Width 66 If Area 17,600 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	532.0	lf	\$ 18.00	/lf	\$ 9,576	
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$ 5,000.00	/ea	\$ 30,000]
G2010		Bike Lane	3,192.0	sf	\$ 3.00	/sf	\$ 9,576	
G2010		Roadway Pavers	7,182.0	sf	\$ 15.00	/sf	\$ 107,730	
G2030		Pathway Pavers	1,596.0	sf	\$ 15.00	/sf	\$ 23,940	
G2030		Outdoor Seating Pavers	3,192.0	sf	\$ 15.00	/sf	\$ 47,880	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	
G2060		Tree Grates	27.0	ea	\$ 3,500.00	/ea	\$ 94,500	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$ 200,000	
G2080		Trees - 20' Spacing	27.0	ea	\$ 2,800.00	/ea	\$ 75,600	
G3010		12" Water Line	266.0	lf	\$ 200.00	/lf	\$ 53,200	
G3010		Auxillary Water	266.0	lf	\$ 75.00	/lf	\$ 19,950	
G3020		8" Waste Water Line	266.0	lf	\$ 200.00	/lf	\$ 53,200	
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$ -	w/D	istrict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	
G5010		Telecom Ductbank		lf	\$ 150.00	/lf	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -]
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -]

Total \$ 730,152 Cost/SF \$ 41.49

S2

S2 Intersection 2



Typical Length

66 If 65 If Section Width 4,300 sf Area

Code	Code	Description	Qty	UOM	U/P	/UOM	Ex	tension	
G2010		Curb & Gutter	66.0	lf	\$ 18.00	/lf	\$	1,188	
G2010		Roadway Pavers	729.0	sf	\$ 15.00	/sf	\$	10,935	
G2010		Street Lights / Light Poles - 90' Spacing	-	ea	\$ 5,000.00	/ea	\$	-	
G2010		Bike Lane	792.0	sf	\$ 3.00	/sf	\$	2,376	
G2030		Pathway Pavers - North Side Only	396.0	sf	\$ 15.00	/sf	\$	5,940	
G2030		Outdoor Seating Pavers	-	sf	\$ 15.00	/sf	\$	-	replaced by S-1 street
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$	5,000	
G2060		Tree Grates	3.0	ea	\$ 3,500.00	/ea	\$	10,500	North side only
G2060		Site Furnishings	1.0	ls	\$ 25,000.00	/ls	\$	25,000	
G2080		Trees - 20' Spacing	3.0	ea	\$ 2,800.00	/ea	\$	8,400	North side only
G2080		Landscape Strip	396.0	sf	\$ 10.00	/sf	\$	3,960	North side only
G3010		12" Water Line	66.0	lf	\$ 200.00	/lf	\$	13,200	
G3010		Auxillary Water	66.0	lf	\$ 75.00	/lf	\$	4,950	
G3020		8" Waste Water Line	66.0	lf	\$ 200.00	/lf	\$	13,200	
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-	
G3090		District Cooling	-	lf	\$ -	w/Di	istric	t Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
					·	/	\$	-	

\$ 104,649 Total Cost/SF 24.34

Notes

S-3 Internal Street Segment 3



Typical Length 248 If Section Width 66 If Area 16,400 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension	
G2010		Curb & Gutter	496.0	lf	\$ 18.00	/lf	\$	8,928	
G2010		Asphalt Pavement - Typical	6,696.0	sf	\$ 3.00	/sf	\$	20,088	
G2010		Striping	6,696.0	sf	\$ 0.25	/sf	\$	1,674	
G2010		Bike Lane	2,976.0	sf	\$ 3.00	/sf	\$	8,928	
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$ 5,000.00	/ea	\$	30,000	
G2010		Unidentified Strip - Assume Concrete	496.0	sf	\$ 8.00	/sf	\$	3,968	
G2010		Traffic Signals	-	ls	\$ 500,000.00	/Is	\$	-	
G2030		Sidewalk	3,720.0	sf	\$ 8.00	/sf	\$	29,760	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$	5,000	
G2060		Tree Grates	25.0	ea	\$ 3,500.00	/ea	\$	87,500	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$	200,000	
G2080		Bioswale	1,488.0	sf	\$ 10.00	/sf	\$	14,880	
G2080		Landscape Strip	2,856.0	sf	\$ 10.00	/sf	\$	28,560	
G2080		Trees - 20' Spacing	25.0	ea	\$ 2,800.00	/ea	\$	70,000	
G3010		12" Water Line	248.0	lf	\$ 200.00	/If	\$	49,600	
G3010		Auxillary Water	248.0	If	\$ -	/lf	\$	-	
G3020		8" Waste Water Line	248.0	lf	\$ 200.00	/lf	\$	49,600	
G3030		Storm Drain		lf	\$ -	/lf	\$	-	
G3060		Natural Gas	0	lf	\$ 100.00	/lf	\$	-	under S-1
G3090		District Cooling	-	lf	\$ -	/lf		N/A	under S-1
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-	under S-1
G5010		Telecom Ductbank	-	lf	\$ 150.00	/If	\$	-	under S-1
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 608,486

S4

S4 Laneway (Decorative Street)



Typical Length 170 If Section Width 60 If Area 10,200 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension
G2010		Curb & Gutter	340.0	lf	\$ 18.00	/lf	\$	6,120
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$ 5,000.00	/ea	\$	30,000
G2010		Bike Lane	2,040.0	sf	\$ 3.00	/sf	\$	6,120
G2010		Roadway Pavers	4,590.0	sf	\$ 15.00	/sf	\$	68,850
G2030		Pathway Pavers	1,020.0	sf	\$ 15.00	/sf	\$	15,300
G2030		Outdoor Seating Pavers	2,040.0	sf	\$ 15.00	/sf	\$	30,600
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$	5,000
G2060		Tree Grates	18.0	ea	\$ 3,500.00	/ea	\$	63,000
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/ls	\$	200,000
G2080		Trees - 20' Spacing	18.0	ea	\$ 2,800.00	/ea	\$	50,400
G3010		12" Water Line		lf	\$ 200.00	/lf	\$	-
G3010		Auxillary Water	-	lf	\$ 75.00	/lf	\$	-
G3020		8" Waste Water Line	-	lf	\$ 200.00	/lf	\$	-
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-
G3090		District Cooling	-	lf	\$ -	w/Di	istrio	ct Cooling
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-
						/	\$	-

Total \$ 475,390 Cost/SF \$ 46.61

G-3 Regrading Works



Code	Code	Description	Qty	UOM	U/P	/UOM	Extension
		Tree Removal					
G2080	320000	Parcel 1	8.0	ea	\$ 5,000.00	/ea	\$ 40,000
G2080	320000	Parcel 2	1.0	ea	\$ 5,000.00	/ea	\$ 5,000
G2080	320000	Parcel 3	2.0	ea	\$ 5,000.00	/ea	\$ 10,000
G2080	320000	Parcel 4	23.0	ea	\$ 5,000.00	/ea	\$ 115,000
G2080	320000	BS-1	27.0	ea	\$ 5,000.00	/ea	\$ 135,000
G2080	320000	BS-2	-	ea	\$ 5,000.00	/ea	\$ -
G2080	320000	Segment 2	1.0	ea	\$ 5,000.00	/ea	\$ 5,000
G2080	320000	Lakefront Park					w/ G-1
		Protected Tree Removal					
G2080	320000	Parcel 4	2.0	ea	\$ 5,000.00	/ea	\$ 10,000
G2080	320000	BS-1	8.0	ea	\$ 5,000.00	/ea	\$ 40,000
		Clear & Grubb Site					
G1010	320000	Main Site	465,000.0	sf	\$ 0.25	/sf	\$ 116,250
G1010		Park	292,000.0	sf	\$ 0.50	/sf	\$ 146,000
G1010		BS-2	42,000.0	sf	\$ 0.10	/sf	\$ 4,200
G1010		S-3					Excluded
		Demolition					
G1030		Parking Lot Demolition	200,000.0	sf	\$ 1.00	/sf	\$ 200,000
		Grading, Cut & Fill					
G1070		Main Site	465,000.0	sf	\$ 2.00	/sf	\$ 930,000
G1070		Park	292,000.0	sf	\$ 2.00	/sf	\$ 584,000
G1070		BS-2	42,000.0	sf	\$ 2.00	/sf	\$ 84,000
G1070		S-3					Excluded
						/	\$ -
						/	\$ -

Total \$ 2,424,450

South Central Waterfront

2.b.i. Cost Estimates Packet for Site Improvements from Endeavor Real Estate Group

5. Below-Grade Parking Cost Spreadsheet Updated: March 12, 2020

CON	TEN	TS	WHAT'S NEW
2.b.i.		Estimates Packet for Site Improvements Endeavor Real Estate Group	Applicant provided cost estimates for the PUD-proposed site improvements
	5:	Below-Grade Parking Cost Spreadsheet	(prepared by Endeavor consultant: DPR Construction)

ATTACHMENT 5

STATESMAN SITE INFRASTRUCTURE

ATTACHMENT 5

Date: 10/12/2018





Code	System	Quantity	UOM	Unit Price	/UOM		Ext
A1020	Foundations	408,000.0	sf	\$ 16.78	/sf	\$	6,846,327
A2010		408,000.0	sf	\$ 16.54	/sf	\$, ,
	Sugrade Enclosures	· ·			·	-	6,748,448
A4010	Slab-on-Grade	408,000.0	sf	\$ 8.85	/sf	\$	3,611,556
A4040	Pits & Bases	408,000.0	sf	\$ 4.29	/sf	\$	1,750,000
A9010	Excavation	408,000.0	sf	\$ 20.43	/sf	\$	8,337,143
A9020	Construction Dewatering	408,000.0	sf	\$ 7.35	/sf	\$	3,000,000
A9030	Excavation Support	408,000.0	sf	\$ 12.60	/sf	\$	5,141,495
B1010	Floor Construction	408,000.0	sf	\$ 121.36	/sf	\$	49,515,617
B1080	Stairs	408,000.0	sf	\$ 1.79	/sf	\$	729,000
B3040	Traffic Bearing Horizontal Enclosures	408,000.0	sf	\$ 10.54	/sf	\$	4,300,400
C1010	Interior Construction	408,000.0	sf	\$ 7.88	/sf	\$	3,215,400
C1090	Interior Specialties & Striping	408,000.0	sf	\$ 3.49	/sf	\$	1,422,900
D1010	Conveying	408,000.0	sf	\$ 5.29	/sf	\$	2,160,000
D2010	Plumbing	408,000.0	sf	\$ 6.00	/sf	\$	2,448,000
D3010	Mechanical	408,000.0	sf	\$ 12.00	/sf	\$	4,896,000
D4010	Fire Sprinklers	408,000.0	sf	\$ 7.50	/sf	\$	3,060,000
D5010	Electrical	408,000.0	sf	\$ 9.00	/sf	\$	3,672,000
E1010	Vehicle Equipment	408,000.0	sf	\$ 26.68	/sf	\$	10,887,090
Z1050	Tower Cranes	408,000.0	sf	\$ 12.50	/sf	\$	5,100,000
	Subtotal					\$	126,841,374
	General Requirements/General Conditions	6.0%				\$	7,610,482
	Permits & Fees	0.0%				\$	-
	Insurances and Fee	5.6%				\$	7,529,304
	Contingency	10.0%				\$	14,198,116
	Escalation 5% per Annum, Two Years	10.3%				\$	16,008,376
	Subtotal					\$	45,346,278
	GRAND TOTAL					\$	172,187,652

Area 816,000 Stalls 2,775 Efficiency 294 \$/SF \$ 211.01 \$/Stall \$ 62,050

BELOW GRADE PARKING - PHASE I

Code	System	Quantity	UOM	Unit Price	/UOM	Ext	
A1020	Foundations	769,600.0	sf	\$ 4.20	/sf	\$ 3,224,247	
A2010	Basement Walls - B2 and B3	33,155.0	sf	\$ 37.00	/sf	\$ 1,226,735	
A2010	Basement Walls - B1	25,302.5	sf	\$ 35.00	/sf	\$ 885,588	
A2010	Basement Wall Waterproofing - B2and B3	33,155.0	sf	\$ 8.50	/sf	\$ 281,818	
A2010	Basement Wall Waterproofing - B1	25,302.5	sf	\$ 8.00	/sf	\$ 202,420	
A4010	Slab-on-Grade	192,400.0	sf	\$ 7.00	/sf	\$ 1,346,800	
A4010	Base Rock under SOG	8,907.4	tn	\$ 40.00	/tn	\$ 356,296	assume 12" layer required
A4040	Pits	30.0	ea	\$ 25,000.00	/ea	\$ 750,000	10 elevators per building
A9010	Excavation & Offhaul - B2 and B3	135,392.6	су	\$ 16.50	/cy	\$ 2,233,978	
A9010	Excavation & Offhaul - B1	103,325.9	су	\$ 16.00	/cy	\$ 1,653,215	
A9020	Construction Dewatering	12.0	mo	\$ 100,000.00	/mo	\$ 1,200,000	
A9030	Shoring - B2 and B3	33,155.0	csf	\$ 42.00	/csf	\$ 1,392,510	
A9030	Shoring - B1	25,302.5	csf	\$ 40.00	/csf	\$ 1,012,100	
B1010	Elevated Decks - Level B1 and B2	384,800.0	sf	\$ 22.00	/sf	\$ 8,465,600	
B1010	Elevated Decks - Podium	192,400.0	sf	\$ 42.00	/sf	\$ 8,080,800	
B1010	Increased Height	447.0	ea	\$ 1,362.00	/ea	\$ 608,814	
B1010	Garage Entry/Exit Ramp Construction	4.0	ea	\$ 50,000.00	/ea	\$ 200,000	assume 160' ramp, 4 total, 30' wide
B1010	Columns	1,282.7	ea	\$ 2,500.00	/ea	\$ 3,206,667	
B1010	Shearwalls	20,100.0	sf	\$ 45.00	/sf	\$ 904,500	200 If per building, 3 buildings
B1010	Misc Metals	577,200.0	sf	\$ 2.00	/sf	\$ 1,154,400	
B1080	Stairs	24.0	flt	\$ 13,500.00	/flt	\$ 324,000	2 per building, 3 buildings; 2 stairs direct acc
B3040	Underslab Spray Insulation	75,000.0	sf	\$ 6.00	/sf	\$ 450,000	25ksf per building
B3040	Roofing/ Waterproofing of Garage Lid	65,900.0	sf	\$ 8.00	/sf	\$ 527,200	amortorize 50% of prior calculation
B3040	3' Thick Structural Foam at Street Sections					\$ -	with streets
B3040	Protection/Topping Slab	131,800.0	sf	\$ 8.00	/sf	\$ 1,054,400	amortorize 50% of prior calculation
C1010	Interior Construction	577,200.0	sf	\$ 3.00	/sf	\$ 1,731,600	
C1090	Striping	1,443.0	stall	\$ 65.00	/stall	\$ 93,795	
C1090	Specialties	577,200.0	sf	\$ 1.00	/sf	\$ 577,200	
D1010	Conveying	36.0	stp	\$ 30,000.00	/stp	\$ 1,080,000	4 stps per building, 3 buildings; 4 dedicated

access to pedestrian walkway

36.0 stp | \$ 30,000.00 /stp | \$ 1,080,000 4 stps per building, 3 buildings; 4 dedicated elevators (2 bank) between B2, B1 and pedestrain park, 3 stps per elevator

Parking Design Two Below Grade Levels Level B2 Elevation: 428'-0" Level B1 Elevation: 435'-6" Ground Level Elevation: 450'-0" Car Stackers on Level 1 Only

Control Dimensions - Phase I Parking

Level B2and B3		
Length		lf
Width		lf
Height	9.5	lf
Perimeter	1,745.0	lf
Floor Area	192,400.0	sf
Wall Area	16,577.5	sf

14.5 If

1,745.0 If

192,400.0 sf 25,302.5 sf finished height is 8.5'; includes 1' for overex to top of footing and 12" of drain rock

Parking Counts

Height Perimeter

Floor Area

Wall Area

Level B1 Length Width

	31	.diiS	Efficiency
Phase 1 Area	577,200	1443	assume 75 stall lost to get total count between 2600 and 2900
Phase 2 Area	304,400	1019	assume 100 stall lost to get total count between 2600 and 2900
Phase 3 Area	126,800	417	assume 50 stall lost to get total count between 2600 and 2900
Total	1 008 400	2879	350 32

D2010	Plumbing	577,200.0	sf	\$ 2.00	/sf	\$ 1,154,400
D3010	Mechanical	577,200.0	sf	\$ 4.00	/sf	\$ 2,308,800
D4010	Fire Sprinklers	577,200.0	sf	\$ 2.50	/sf	\$ 1,443,000
D5010	Electrical	577,200.0	sf	\$ 3.00	/sf	\$ 1,731,600
E1010	Parking Controls	1.0	ls	\$ 250,000.00	/Is	\$ 250,000
E1010	Parking Management	996.0	ea	\$ 417.00	/ea	\$ 415,332
E1010	Car Stackers	447.0	ea	\$ 10,000.00	/ea	\$ 4,470,000
Z1050	Tower Crane	25.0	mo	\$ 85,000.00	/mo	\$ 2,125,000
	Subtotal					\$ 58,122,814
	General Requirements/General Conditions	6.0%				\$ 3,487,369
	Permits & Fees	0.0%				\$ -
	Insurances and Fee	5.6%				\$ 3,450,170
	Contingency	10.0%				\$ 6,506,035
	Escalation 5% per Annum, Two Years	10.3%				\$ 7,335,555
	Subtotal					\$ 20,779,129
	GRAND TOTAL					\$ 78,901,943

5 cranes, 5 months per crane

Area 577,200 Stalls 1,443 Efficiency 400 \$/SF \$ 136.70 \$/Stall \$ 54,679

Code	GRADE PARKING - PHASE II System	Quantity	UOM	Unit Price	/UOM		Ext	1
A1020	Foundations	608,800.0	sf	\$ 4.20		\$	2,556,960	
A2010	Basement Walls - B2and B3	29,640.0	sf	\$ 37.00		\$		assume structural that PH I wall
A2010	Basement Walls - B1	21,840.0	sf	\$ 35.00		\$		assume structural that PH I wall
A2010	Basement Wall Waterproofing - B2 and B3	49,780.0	sf	\$ 8.50		\$	-	remove 500lf on west side next
A2010	Basement Wall Waterproofing - B1	14,840.0	sf	\$ 8.00		\$		remove 500lf on west side next
A2010	Punch Walls into Phase 1	1.0	ls	\$ 100,000.00		Ś	100,000	
A4010	Slab-on-Grade	152,200.0	sf	\$ 7.00	-	\$	1,065,400	
A4010	Base Rock under SOG	7,046.3	tn	\$ 40.00	-	\$		assume 12" layer required
A4040	Pits	30.0	ea	\$ 25,000.00		\$		assume 10 per building
A9010	Excavation & Offhaul - B2 and B3	107,103.7	су	\$ 16.50		\$	1,767,211	
A9010	Excavation & Offhaul - B1	78,918.5	cy	\$ 16.00	-	\$	1,262,696	
A9020	Construction Dewatering	12.0	mo	\$ 75,000.00		\$	900,000	
A9030	Shoring - B2 and B3	20,140.0	csf	\$ 42.00		\$	-	remove 500lf on west side next 1
A9030	Shoring - B1	14,840.0	csf	\$ 40.00	/csf	\$	593,600	remove 500lf on west side next
A9030	Remove Shorting, East Wall of Phase I	1.0	ls	\$ 100,000.00		\$	100,000	
B1010	Elevated Decks - Level B1 and B2	304,400.0	sf	\$ 22.00		\$	6,696,800	
B1010	Elevated Decks - Podium	152,200.0	sf	\$ 42.00		\$	6,392,400	
B1010	Increased Height	139.0	ea	\$ 1,362.00		\$	189,318	
B1010	Garage Entry/Exit Ramp Construction	4.0	ea	\$ 50,000.00		\$		assume 160' ramp, 2 total, 30' w
B1010	Columns	1,522.0	ea	\$ 2,500.00	/ea	\$	3,805,000	
B1010	Shearwalls	13,200.0	sf	\$ 45.00		\$		200 If per building, 2 buildings
B1010	Misc Metals	456,600.0	sf	\$ 2.00		\$	913,200	
B1080	Stairs	18.0	flt	\$ 13,500.00	/flt	\$		2 per building, 2 buildings; 2 stai
B3040	Underslab Spray Insulation	75,000.0	sf	\$ 6.00	/sf	\$		25ksf floor plate per building
B3040	Roofing/ Waterproofing of Garage Lid	65,900.0	sf	\$ 8.00	/sf	\$	527,200	amortorize 50% of prior calculat
B3040	3' Thick Structural Foam at Street Sections					\$	-	with streets
B3040	Protection/Topping Slab	65,900.0	sf	\$ 8.00	/sf	\$	527,200	amortorize 50% of prior calculat
C1010	Interior Construction	304,400.0	sf	\$ 3.00	/sf	\$	913,200	
C1090	Striping	1,141.5	stall	\$ 65.00	/stall	\$	74,198	
C1090	Specialties	456,600.0	sf	\$ 1.00	/sf	\$	456,600	
D1010	Conveying	21.0	stp	\$ 30,000.00	/stp	\$	630,000	4 stps per building, 2 buildings; 2
D2010	Plumbing	456,600.0	sf	\$ 2.00	/sf	\$	913,200	
D3010	Mechanical	456,600.0	sf	\$ 4.00	/sf	\$	1,826,400	
D4010	Fire Sprinklers	456,600.0	sf	\$ 2.50	/sf	\$	1,141,500	
D5010	Electrical	456,600.0	sf	\$ 3.00		\$	1,369,800	
E1010	Parking Controls	1.0	ls	\$ 250,000.00	/Is	\$	250,000	
E1010	Parking Management	801.0	ea	\$ 471.00	/ea	\$	377,271	
E1010	Car Stackers	340.0	ea	\$ 10,000.00	/ea	\$	3,400,000	
Z1050	Tower Crane	20.0	mo	\$ 85,000.00	/mo	\$	1,700,000	4 cranes, 5 months per crane
	Subtotal					\$	46,216,816	
	General Requirements/General Conditions	6.0%				\$	2,773,009	
	Permits & Fees	0.0%				\$	-	
	Insurances and Fee	5.6%				\$	2,743,430	
	Contingency	10.0%				\$	5,173,325	
	Escalation 5% per Annum, Two Years	10.3%				\$	5,832,924	
	Subtotal					\$	16,522,689	
	GRAND TOTAL					\$	62,739,505	

assume structural that PH I wall cannot be shared assume structural that PH I wall cannot be shared remove 500lf on west side next to PH I remove 500lf on west side next to PH I

remove 500lf on west side next to PH I remove 500lf on west side next to PH I

assume 160' ramp, 2 total, 30' wide

2 per building, 2 buildings; 2 stairs direct access to pedestrian walkway

25ksf floor plate per building amortorize 50% of prior calculation

amortorize 50% of prior calculation

4 stps per building, 2 buildings; 2 dedicated elevators (1 bank) between B2, B1 and pedestrain park, 3 stps per elevator

456,600 Area Stalls 1,142

Control Dimensions - Phase II Parking

evei bz		
Length		lf
Width		lf
Height	9.5	lf
Perimeter	1,560.0	lf
Floor Area	152,200.0	sf
Wall Area	14.820.0	sf

finished height is 8.67'; includes 1' for overex to top of footing and 12" of drain rock

Height 14.0 If 1,560.0 If Perimeter Floor Area 152,200.0 sf Wall Area 21,840.0 sf

Level B1

Length Width

Parking Counts Parking Counts Stalls

		Stalls	Efficiency	
Phase 1 Area	384,800	1340		assume 75 stall lost to get total count between 2600 and 2900
Phase 2 Area	456,600	1142		assume 100 stall lost to get total count between 2600 and 2900
Phase 3 Area	126,800	417		assume 50 stall lost to get total count between 2600 and 2900
Total	968,200	2898	334.15	

Efficiency 400 \$/SF \$ 137.41 \$/Stall \$ 54,962

RELOW GRADE PARKING - PHASE III

	RADE PARKING - PHASE III							_
Code	System	Quantity	UOM	Unit Price	/UOM		Ext	
A1020	Foundations	253,600.0	sf	\$ 4.20	/sf	\$	1,065,120	
A2010	Basement Walls - B2 and B3	19,475.0	sf	\$ 37.00	/sf	\$	720,575	assume structural that PH II wall cannot be shared
A2010	Basement Walls - B1	14,350.0	sf	\$ 35.00	/sf	\$	502,250	assume structural that PH II wall cannot be shared
A2010	Basement Wall Waterproofing - B2 and B3	34,105.0	sf	\$ 8.50	/sf	\$	289,893	remove 255 If for the west side already in place
A2010	Basement Wall Waterproofing - B1	10,780.0	sf	\$ 8.00	/sf	\$	86,240	remove 255 If for the west side already in place
A2010	Punch Walls into Phase II	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
A4010	Slab-on-Grade	63,400.0	sf	\$ 7.00	/sf	\$	443,800	
A4010	Base Rock under SOG	2,935.2	tn	\$ 40.00	/tn	\$	117,407	assume 12" layer required
A4040	Pits	10.0	ea	\$ 25,000.00	/ea	\$	250,000	10 ea/bldg; 1 building
A9010	Excavation & Offhaul - B2 and B3	22,307.4	су	\$ 16.50	/cy	\$	368,072	
A9010	Excavation & Offhaul - B1	65,748.1	су	\$ 16.00	/cy	\$	1,051,970	
A9020	Construction Dewatering	12.0	mo	\$ 75,000.00	/mo	\$	900,000	
A9030	Shoring - B2 and B3	17,052.5	csf	\$ 42.00	/csf	\$	716,205	remove 255 If for the west side already in place
A9030	Shoring - B1	10,780.0	csf	\$ 40.00	/csf	\$	431,200	remove 255 If for the west side already in place
A9030	Remove Shorting, East Wall of Phase II	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
B1010	Elevated Decks - Level B1 and B2	126,800.0	sf	\$ 22.00	/sf	\$	2,789,600	
B1010	Elevated Decks - Podium	63,400.0	sf	\$ 42.00	/sf	\$	2,662,800	
B1010	Increased Height	139.0	ea	\$ 1,362.00	/ea	\$	189,318	
B1010	Garage Entry/Exit Ramp Construction	4.0	ea	\$ 50,000.00	/ea	\$	200,000	assume 160' ramp, 1 total, 30' wide
B1010	Columns	634.0	ea	\$ 2,500.00	/ea	\$	1,585,000	
31010	Shearwalls	6,600.0	sf	\$ 45.00	/sf	\$	297,000	200 If per building
31010	Misc Metals	190,200.0	sf	\$ 2.00	/sf	\$	380,400	
31080	Stairs	12.0	flt	\$ 13,500.00	/flt	\$	162,000	2 per building, 1 buildings; 2 stairs direct access to pedestrian walkway
B3040	Underslab Spray Insulation	25,000.0	sf	\$ 6.00	/sf	\$	150,000	25ksf is building footprint
B3040	Roofing/ Waterproofing of Garage Lid	38,400.0	sf	\$ 8.00	/sf	\$	307,200	
B3040	3' Thick Structural Foam at Street Sections					\$	-	with streets
B3040	Protection/Topping Slab	38,400.0	sf	\$ 8.00	/sf	\$	307,200	
C1010	Interior Construction	190,200.0	sf	\$ 3.00	/sf	\$	570,600	
C1090	Striping	475.5	stall	\$ 65.00	/stall	\$	30,908	
C1090	Specialties	190,200.0	sf	\$ 1.00	/sf	\$	190,200	
D1010	Conveying	15.0	stp	\$ 30,000.00	/stp	\$	450,000	4 stps per building, 1 buildings; 2 dedicated elevators (1 bank) between B2, B1 and pedestrain park, 3 stps per elev
D2010	Plumbing	190,200.0	sf	\$ 2.00	/sf	\$	380,400	
D3010	Mechanical	190,200.0	sf	\$ 4.00	/sf	\$	760,800	
D4010	Fire Sprinklers	190,200.0	sf	\$ 2.50	/sf	\$	475,500	
D5010	Electrical	190,200.0	sf	\$ 3.00	/sf	\$	570,600	
E1010	Parking Controls	1.0	ls	\$ 175,000.00	/Is	\$	175,000	
E1010	Parking Management	334.5	ea	\$ 417.00	/ea	\$	139,487	
E1010	Car Stackers	141.0	ea	\$ 10,000.00	/ea	\$	1,410,000	
Z1050	Tower Crane	15.0	mo	\$ 85,000.00	/mo	\$	1,275,000	3 cranes for 5 months per
	Subtotal					\$	22,501,745	
	General Requirements/General Conditions	6.0%				\$	1,350,105	
	Permits & Fees	0.0%				\$	-	
	Insurances and Fee	5.6%				\$	1,335,704	
	Contingency	10.0%				\$	2,518,755	
	Escalation 5% per Annum, Two Years	10.3%				\$	2,839,897	
	Subtotal					\$	8,044,460	
	GRAND TOTAL					\$	30,546,205	
2	•	•	•		Area	•	190,200	

Efficiency

\$/SF \$

\$/Stall \$

400

160.60

64,240

Level B2 Length Width 9.5 If finished height is 8.67'; includes 1' for overex to top of footing and 12" of drain rock Height Perimeter 1,025.0 If 63,400.0 sf Floor Area Wall Area 9,737.5 sf Level B1 Length Width Height 14.0 If Perimeter 1,025.0 If 63,400.0 sf Floor Area Wall Area 14,350.0 sf Parking Counts **Parking Counts** Stalls Efficiency Phase 1 Area 384,800 1340 assume 75 stall lost to get total count between 2600 and 2900 304,400 1019 assume 100 stall lost to get total count between 2600 and 2900 Phase 2 Area Phase 3 Area 190,200 476 assume 50 stall lost to get total count between 2600 and 2900 879,400 2834 310.30 Total

Control Dimensions - Phase III Parking

South Central Waterfront

2.b.ii. City Of Austin Review & Adjustments Of Cost Estimates For Site Improvements As Submitted By Endeavor Real Estate Group

1. MEMO: Review of Cost Estimates
Updated: March 12, 2020

CON	TEN	ΓS	WHAT'S NEW
2.b.ii.	Estin	Of Austin Review & Adjustments Of Cost nates For Site Improvements As nitted By Endeavor Real Estate Group	Consultant review of item 2.b.i.
	1:	MEMO: Review of Cost Estimates submitted by Applicant for 305 S. Congress PUD	(prepared by Project Cost Resources, consultants to CoA/PAZ)

CITY OF AUSTIN REVIEW & ADJUSTMENTS OF COST ESTIMATES FOR SITE IMPROVEMENTS AS SUBMITTED BY ENDEAVOR REAL ESTATE GROUP

The Endeavor Real Estate Group and their consultant team submitted Cost Estimates for Site Improvements associated with their proposed PUD. [See separate packet: COST ESTIMATES PACKET FOR SITE IMPROVEMENTS FROM ENDEAVOR REAL ESTATE GROUP]

This packet includes two documents associated with the City of Austin's review of the Cost Estimates as submitted by the Endeavor Real Estate Group:

Attachment 1: MEMO: Review of Cost Estimates submitted by Applicant for 305 S. Congress PUD (prepared by Project Cost Resources, consultants to CoA/PAZ)

Attachment 2: Adjusted Direct Costs for 305 S. Congress PUD (prepared by CoA/PAZ staff, based on Project Cost Resources memo)

Project Cost Resources

410 West Grand Parkway South, Suite 390 Katy, Texas 77494

MEMORANDUM

To: City of Austin Planning and Zoning Department, Attn: Alan Holt

From: Project Cost Resources, Inc. (Greg Edwards) Greg Edwards

Date: February 13, 2020

Re: Review of Cost Estimate submitted by Applicant for 305 S. Congress PUD

At the request of the City of Austin, Planning & Zoning Department, the Applicant team for the 305 S. Congress Planned Unit Development (PUD) amendment submission provided cost estimates for proposed Site Improvements, including Parkland, Plazas, Streets and Streetscapes (improvements to existing and newly proposed), and the Underground Parking, as well as site preparation and utilities infrastructure. The Applicant submitted the following documents in support of their cost estimates:

Attachment 1: Infrastructure Improvements (DRAFT) - Key Map

Attachment 2: Waterfront Park Concept Map

Attachment 3: Waterfront Park Cost Estimates Table

Attachment 4: Site Infrastructure - Program Cost Metrics Spreadsheet

Attachment 5: Below-Grade Parking Cost Spreadsheet

As part of a consultant contract with the City of Austin Planning & Zoning Department, PCR has completed an independent review and evaluation of the Applicant's cost estimates submissions. In this memo, PCR offers an assessment on whether the cost estimates provided by the Applicant are in alignment with current market conditions and highlights where our assessment differs from the Applicant's submission.

Throughout this memo, reviews assess cost estimates according to Hard Costs, Indirect Costs and Grand Total Costs. Definitions for the purposes of this memo include:

Hard Costs – labor and material for direct construction costs
Indirect Costs – markups by the contractor for general conditions, general requirements, contractor contingencies, insurances, performance & payment bonds and fee.

Soft Costs - includes fees for consultants including architecture, landscape architecture, engineering, legal, material testing, regulatory fees and other consultants. These costs are typically assigned by the Owner and are not specifically under the purview of a construction cost consultant. For purposes of this memo, Soft Costs are assumed to be 20%.

Grand Total Costs – the sum of hard costs, indirect costs and soft costs.

Waterfront Park – Hard Costs, Indirect Costs, & Grand Total Costs

The 305 S. Congress PUD proposes an Open Space plan that consists of a 7.02-acre Waterfront Park **(G-1 on Attachment 1)** and is complemented with an additional 1.77 acres of Plaza Areas (**P-1 through P-7 on Attachment 1**).

To provide additional detail on the cost estimations associated with Waterfront Park, the Applicant provided a Waterfront Park Concept Map (**Attachment 2**) and an accompanying Waterfront Park Cost Estimates table (**Attachment 3**). Attachments 2 and 3 were generated by the Applicant's consultant, CMG Landscape Architecture.

Generally, the landscaped areas, such as lawns, esplanade, waterfront trail, water quality ponds, and natural areas, are priced with unit costs. Park amenities, such as a bat viewing feature, water theater, pier, boardwalk, kayak launch area, picnic and play areas, fitness pavilion, and showers and restrooms, have generally been priced individually.

Waterfront Park

- Hard Cost: CMG Landscape Architecture estimate: \$26,541,191
 - PCR is of the opinion that the Waterfront Park Hard Costs estimate appears to be reasonable except for the following:
 - Heritage tree relocation is included at a unit cost of \$115,000 our opinion is that this should be more in the \$75,000 range.
 - The Lighting & Electrical line item is included as an allowance of \$3,000,000. PCR suggest increasing this allowance to \$7,500,000
 - The Power and AV line item is included as an allowance of \$450,000. PCR suggests increasing this allowance to \$4,500,000
 - There are no general costs included for Wet Site Utilities / Connections or Drainage. PCR suggests including an allowance for these items of around \$3,000,000.
- Indirect Cost. CMG Landscape Architecture estimate: \$5,127,861
 - PCR is of the opinion that the Waterfront Park Indirect Costs estimate appears to be reasonable.
- Grand Total: CMG Landscape Architecture estimate: \$42,520,434
 - Based on PCR review of the Hard Costs and Indirect Costs, and assuming the Development Fee @ 3% (\$1,238,459), the Grand Total Cost estimate appears to be low primarily due to the Lighting, Electrical, Power and AV allowances and the Underground Utility allowance recommended above.

Plazas & Streets - Indirect Costs

The Applicant provided cost estimates for the collection of proposed Plazas and Streets/Streetscapes which were generated by their consultant, DPR Construction (see **Attachment 4**). The Hard Costs associated each of the proposed Plazas and proposed

segment of Street improvement/construction are individually itemized. All estimated Hard Costs are augmented with consistent Indirect Cost assumptions. The Indirect Cost assumptions are assumed for all Plazas and Streets are as follows:

General Requirements & General Conditions: 6.0%
Insurance, Fees, & Markups: 6.0%
Contingency: 10.6%
Escalation @ 5% per annum for 2 years 10.3%

PCR is of the opinion that the Indirect Costs assumptions appear low. At this stage of estimation, we would suggest a contingency of 20%. Also, the DPR Construction assumptions do not appear to consider consultant fees (i.e., "soft costs" as defined on page 1 of this memo). We defer to the City's suggestion of using 20% of Direct Costs to cover these "soft costs".

Plazas – Hard Costs & Grand Total Costs

Seven (7) Plaza Areas, totaling 1.77 acres, complements the Waterfront Park to complete the Open Space plan (**Attachment 1**). Cost estimates for these Plazas are contained in the Site Infrastructure Program Cost Metrics Spreadsheet (**Attachment 4**). Attachment 4 was generated by the Applicant's consultant, DPR Construction. DPR Construction notes that prices are based on recent cost for projects located in the City of Austin CBD. The DPR spreadsheet breaks all costs into Hard Costs, Indirect Costs¹, and Grand Total (Hard + Indirect Costs).

Plaza 1

- Hard Cost: DPR Construction estimate = \$2,424,070 (rounded to \$2,425,000.)
 - PCR is of the opinion that the Plaza 1 Hard Costs estimate appears low.
 - Handrails are included at a unit cost of \$175.00/lf. PCR's opinion is that these should be more in the \$275.00/lf range.
 - Stone wall cladding is included at a unit cost of \$25.00/sf. PCR's opinion is that this should be more in the \$35.00/sf range.
 - Stone caps are included at a unit cost of \$35.00/sf. PCR's opinion is that this should be more in the \$45.00/sf range.
 - There is no consideration for underground utility conflicts or re-routing.
 PCR suggests including an allowance for this work of \$100,000.
- *Grand Total:* DPR Construction estimate = \$3,276.077
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 1 appears low for the reasons outlined above and the contingency percentage and lack of accounting for soft costs.

¹ DPR Construction Indirect Costs includes: Taxes, insurance, fees and markups; Contingency; Escalation @ 5% per annum for two (2) years. See Attachment 4 for details.

Plaza 2

- Hard Cost: DPR Construction estimate = \$477,920 (rounded to \$479,000)
 - PCR is of the opinion that the Plaza 2 Hard Costs estimate appears reasonable.
- *Grand Total:* DPR Construction estimate = \$647,110
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 2 appears to be low relative to the contingency amount and the lack of accounting for soft costs.

Plaza 3

- Hard Cost: DPR Construction estimate = \$287,875 (rounded to \$288,000)
 - PCR is of the opinion that the Plaza 3 Hard Costs estimate appears reasonable.
- Grand Total: DPR Construction estimate = \$389,076
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 3 appears to be low relative to the contingency amount and the lack of accounting for soft costs.

Plaza 4

- Hard Cost: DPR Construction estimate = \$840,648 (rounded to \$844,000)
 - o PCR is of the opinion that the Plaza 4 Hard Costs estimate appears reasonable.
- Grand Total: DPR Construction estimate = \$\$1,140,210
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 4 appears to be low relative to the contingency amount and the lack of accounting for soft costs.

Plaza 5

- Hard Cost: DPR Construction estimate = \$\$538,600 (rounded to \$538,000)
 - PCR is of the opinion that the Plaza 5 Hard Costs estimate appears reasonable.
- *Grand Total:* DPR Construction estimate = \$726,816
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 5 appears to be low relative to the contingency amount and the lack of accounting for soft costs.

Plaza 6

- Hard Cost: DPR Construction estimate = \$240,100 (rounded to \$239,000)
 - PCR is of the opinion that the Plaza 6 Hard Costs estimate appears reasonable.
- *Grand Total:* DPR Construction estimate = \$322,879
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 6 appears to be low relative to the contingency amount and the lack of accounting for soft costs.

Plaza 7

- Hard Cost: DPR Construction estimate = \$923,186 (rounded to \$923,000)
 - PCR is of the opinion that the Plaza 7 Hard Costs estimate appears low:
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Pathway pavers, outdoor seating pavers and signature walkway pavers are all included at a unit price of \$15.00/sf. PCR's opinion is that the unit cost for pavers should be in the \$32.00 range and that a 4" concrete subbase should be included at \$6.00/sf for a total of \$38.00/sf for these areas.
 - There is no consideration for underground utility conflicts or re-routing. PCR suggests including an allowance for this work of \$50,000.
 - 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
- Grand Total: DPR Construction estimate = \$1,246,936
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Plaza 7 appears low for the reasons outlined above and the contingency percentage and the lack of accounting for soft costs.

Streets on-site (inside 305 S. Congress property line) – Hard Costs & Grand Total Costs

The Applicant has provided cost estimates for all streets (existing and newly proposed) as part of their PUD application (**Attachment 1**). Cost estimates for Streets are contained in the Site Infrastructure Program Cost Metrics Spreadsheet (**Attachment 4**), generated by the Applicant's consultant, DPR Construction.

Barton Springs extension (BS-1, New Street)

- Hard Cost: DPR Construction estimate = \$2,863,403 (rounded to \$2,864,000)
 - PCR is of the opinion that the Barton Springs extension Hard Costs estimate appears low:
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Bioswale unit pricing is included at \$10.00/sf. PCR's opinion is that this should be more in the \$30.00/sf range.

- 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
- *Grand Total:* DPR Construction estimate = \$3,888,993
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for the Barton Springs extension appears low due to the reasons noted above and the contingency percentage and the lack of accounting for soft costs.

Internal Street, Segment 1 (S-1, New Street)

- Hard Cost: DPR Construction estimate = \$714,581 (rounded to \$717,000)
 - PCR is of the opinion that the Internal Street, Segment 1 Hard Costs estimate appears low:
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- *Grand Total:* DPR Construction estimate = \$972,607
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for the Internal Street, Segment 1 appears low due to the reasons noted above and the contingency percentage and the lack of accounting for soft costs.

Internal (Shared) Street, Segment 2 (S-2, New Street) *NOTE*: In the cost estimation, S-2 was broken into three components: Intersection to the west (S-2, Intersection 1), the Internal (decorative) street segment (S-2 Laneway); and the Intersection to the east (S-2, Intersection 2).

- Hard Cost: DPR Construction estimate = \$104,649 + \$730,152 + \$104,649 (rounded to \$106,000 + 731,000 + 105,000). Total = \$942,000
 - PCR is of the opinion that the Internal Street, Segment 2 Hard Costs estimate appears low:
 - Roadway pavers and pathway pavers are included at a unit price of \$15.00/sf. PCR's opinion is that the unit cost for pavers should be in the \$32.00 range and that a 4" concrete sub-base should be included at \$6.00/sf for a total of \$38.00/sf for this unit cost.

- Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
- 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
- Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- *Grand Total:* DPR Construction estimate = \$1,272,604
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Internal Street, Segment 2 appears low due to the reasons noted above and the contingency percentage and the lack of accounting for soft costs.

Internal Street, Segment 3 (S-3, New Street)

- Hard Cost: DPR Construction estimate = \$608,484 (rounded to \$613,000)
 - PCR is of the opinion that the internal Street, Segment 3 Hard Costs estimate appears low:
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Bioswale unit pricing is included at \$10.00/sf. PCR's opinion is that this should be more in the \$30.00/sf range.
 - 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- *Grand Total:* DPR Construction estimate = \$828,138
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Internal Street, Segment 3 appears low due to the reasons noted above and the contingency percentage and the lack of accounting for soft costs.

Internal Street, Segment 4 (S-4, New Street)

- Hard Cost: DPR Construction estimate = \$475,390 (rounded to \$474,000)
 - PCR is of the opinion that the Internal Street, Segment 4 Hard Costs estimate appears low:
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Pathway pavers, roadway pavers and outdoor seating pavers are all included at a unit price of \$15.00/sf. PCR's opinion is that the unit cost

- for pavers should be in the \$32.00 range and that a 4" concrete sub-base should be included at \$6.00/sf for a total of \$38.00/sf for these areas.
- Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- *Grand Total:* DPR Construction estimate = \$640,355
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Internal Street, Segment 4 appears low due to the reasons noted above and the contingency percentage and the lack of accounting for soft costs.

Streets off-site (outside 305 S. Congress property line) – Hard Costs & Grand Total Costs

Congress Avenue Intersection (C-1, Existing Street)

- *Hard Cost:* DPR Construction estimate = \$4,145,000.
 - PCR is of the opinion that the Congress Avenue Intersection Hard Costs estimate appears low:
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- Grand Total: DPR Construction estimate = \$5,599,727
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for the Congress Avenue Intersection appears low due to the item above and the contingency percentage and the lack of accounting for soft costs.

Congress Avenue Segment (C-2, Existing Street)

- *Hard Cost:* DPR Construction estimate = \$873,000.
 - PCR is of the opinion that the Congress Avenue Segment Hard Costs estimate appears low:
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
- *Grand Total:* DPR Construction estimate = \$1,179,388.

 Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for the Congress Avenue segment appears low due to the item above and the contingency percentage and the lack of accounting for soft costs.

Barton Springs Improvement 2 (BS-2, Existing Street)

- Hard Cost: DPR Construction estimate = \$1,866,914 (rounded to \$1,867,000)
 - PCR is of the opinion that the Barton Springs 2 Improvements Hard Costs estimate appears low:
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Bike lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$8.00/sf range.
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
 - 8" water line pricing is included at a unit cost of \$200.00/sf (the same as a 12" line). PCR's opinion is that this should be more in the \$175.00/lf range.
- Grand Total: DPR Construction estimate = \$2,522,241
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Barton Springs 2 Improvements appears low due to the items above and the contingency percentage and the lack of accounting for soft costs.

Barton Springs Intersection @ E. Riverside Drive (BS-3, Existing Street)

- Hard Cost: DPR Construction estimate = \$1,660,000.
 - PCR is of the opinion that the Barton Springs Intersection @ E. Riverside Drive Hard Costs estimate appears low:
 - Asphalt turn lane is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Asphalt paving is included at a unit cost of \$3.00/sf. PCR's opinion is that this unit cost should be more in the \$5.00/sf range
 - Street lights and poles are included at a unit cost of \$5,000.00/ea. PCR's opinion is that these should be more in the \$12,000.00/ea range.
- *Grand Total:* DPR Construction estimate = \$2,242,593
 - Based on PCR review of the Hard Costs and our evaluation of the Indirect Costs assumptions, the Grand Total Cost estimate for Barton Springs Intersection @ E.
 Riverside Drive appears low due to the items above and the contingency percentage and the lack of accounting for soft costs.

Below Grade Parking - Overview

The 305 S. Congress PUD proposes to build Below Grade Parking to accommodate parking for approximately 3800+/- cars, estimated to satisfy about 94% of their full parking buildout. The Below Grade Parking will be built in three phases. The design generally assumes two levels below grade, with car stackers on Level 1 to double cars per stall in approximately 928 stalls.

The estimated Total Cost for all three phases of the Below Grade Parking structure/system is estimated to cost \$172,187,652 (see **Attachment 5**, provided by the Applicant's consultant, DPR Construction). The estimated cost per parking stall varies between the three phases. The overall Total Cost estimate is \$62,050/stall; however, since stackers will be installed in an estimated 928 stalls, this estimated cost per stalls does not reflect the cost per car. The overall Total Cost for the below grade parking structure and system is an estimated \$211/SF.

Below Grade Parking – Indirect Costs

The Hard Costs associated each of the proposed phases of Below Grade Parking are individually itemized (**Attachment 5**). All estimated Hard Costs are augmented with consistent Indirect Costs assumptions. The Indirect Costs assumptions are assumed for all Below Grade Parking are as follows:

-	General Requirements/General Conditions:	6.0%
-	Permits & Fees:	0%
-	Insurance, Fees, & Markups:	5.6%
-	Contingency:	10.0%
-	Escalation 5% per Annum, Two Years	10.3%

PCR is of the opinion that the Indirect Costs assumptions appear low. At this stage of estimation, we would suggest a contingency of 20%. Also, the DPR Construction assumptions do not appear to consider consultant fees (i.e., "soft costs" as defined on page 1 of this memo). We defer to the City's suggestion of using 20% of Direct Costs to cover these "soft costs".

Below Grade Parking – Hard Costs & Grand Total Costs

The Below Grade Parking Cost Spreadsheet provides itemized Hard Costs estimates for each of the three phases (**Attachment 5**). The DPR spreadsheet breaks all costs into Hard Costs, Indirect Costs, and Grand Total (Hard + Indirect Costs).

Below Grade Parking: Phases 1-3

- Hard Cost: DPR Construction estimate = 1=\$58,122,814 / 2=\$46,216,816 / 3=\$22,501,745
 - PCR is of the opinion that the estimated subtotal of Hard Costs for Below-Grade Parking, Phase 1, 2 and 3 appears reasonable. We have estimated underground garages, with a rock excavation premium, escalated to 2021 dollars at a price point of \$128.00/sf (without stackers). The stackers add from \$8.00 - \$10.00/sf

so our estimates would be from \$136.00 to \$138.00/sf (within the range of DPR's pricing).

- Grand Total: DPR Construction estimate = 1=\$78,901,943 / 2=\$62,739,505 / 3=\$30,546,205
 - Based on PCR review of the Hard Costs for this infrastructure and our evaluation of the Indirect Costs assumptions (subject to the qualifiers that we highlighted above to their Indirect Cost assumptions), the Grand Total Cost estimate for Below Grade Parking, Phases 1-3 appears reasonable



DIRECT COSTS for the 305 S. Congress PUD proposal for STREET, OPEN SPACES, INFRASRUCTURE & SITE PREPARATION, as Reviewed and Adjusted by City of Austin consultants.

The following PDF **excepts the Direct Costs** from the cost estimates provided to the City of Austin by the Endeavor Real Estate Group's consultant, DPR Construction.

Direct Cost (aka: Hard Costs) includes the materials, unit quantities and costs, and labor for construction.

Indirect Costs (including markups by contractor for general conditions, general requirements, contractor contingencies, insurance, performance & payment bonds and fees; and including Soft Costs which comprises fees for consultants such as architecture, landscape architecture, engineering, legal services, etc) are not included in the following excerpts.

The following excerpt shows redline markups by CoA/PAZ staff that adjust unit costs in accordance to the Project Cost Resources memo dated February 13, 2020. Therefore, the following redline adjustments provide the Direct Costs of the PUD proposed streets/open spaces/infrastructure to match the recommendations of the City's consultant review.

DIRECT COSTS for the 305 S. Congress PUD proposal for STREET, OPEN SPACES, INFRASRUCTURE & SITE PREPARATION, as Reviewed by City of Austin consultants.

NOTE: The attached PDF shows the direct costs estimates that were provided to the City of Austin by the Endeavor consultant, DPR. These direct costs were reviewed by the City's cost consultant, PCR, in their memo dated February 13, 2020.

The redlines in the attached memo were made by City of Austin staff, using the PCR adjustments, in order to attain the direct costs for the PUD proposed streets/open spaces/infrastructure that match the City's consultant review.



South Central Waterfront

2.b.ii. City Of Austin Review & Adjustments Of Cost Estimates For Site Improvements As Submitted By Endeavor Real Estate Group

2. Adjusted Direct Costs for 305 S. Congress PUD Updated: March 12, 2020

CON	TENTS	WHAT'S NEW
2.b.ii.	City Of Austin Review & Adjustments Of Cost Estimates For Site Improvements As Submitted By Endeavor Real Estate Group	Consultant review of item 2.b.i.
	2: Adjusted Direct Costs for 305 S. Congress PUD	(prepared by CoA/PAZ staff, based on Project Cost Resources memo)

C-1

Congress Intersection

DPR

 Typical
 Length
 If

 Section Width
 If

 Area
 21,000 sf

 Turn Lane
 Length
 If

 Section Width
 If

 Area
 sf

Code	Code	Description	Qty	UOM		U/P	/UOM	Extension	
G2010		Curb & Gutter		lf	\$	18.00	/lf	\$ -	
G2010		Asphalt Pavement - Typical	22,100.0	sf	\$	5.45	/sf	\$ 120,445	Road and Drain
G2010		Asphalt Pavement - Turn Lane		sf	\$	3.00	/sf	\$ -	
G2010		Striping	22,100.0	sf	\$	0.25	/sf	\$ 5,525	Road and Drain
G2010		Bike Lane		sf	\$	3.00	/sf	\$ -	
G2010		Unidentified Strip - Assume Concrete	-	sf	\$	8.00	/sf	\$ -	
G2010		Street Lights / Light Poles - 90' Spacing	4.0	ea	\$ 1:	2,000 5,000.00	/ea	\$ -20,000	48,000 Streetscape
G2010		Traffic Signals	1.0	ls	\$	4,000,000.00	/Is	\$ 4,000,000	Road and Drain
G2030		Sidewalk		sf	\$	8.00	/sf	\$ -	
G2030		ADA Ramps		ea	\$	2,500.00	/ea	\$ -	
G2060		Tree Grates		ea	\$	3,500.00	/ea	\$ -	
G2060		Site Furnishings		ls	\$	100,000.00	/Is	\$ -	
G2080		Bioswale	-	sf	\$	10.00	/sf	\$ -	
G2080		Landscape Strip		sf	\$	10.00	/sf	\$ -	
G2080		Trees - 20' Spacing		ea	\$	2,800.00	/ea	\$ -	
G3010		12" Water Line	-	lf	\$	200.00	/lf	\$ -	
G3010		Auxillary Water	-	lf	\$	-	/lf	\$ -	
G3020		8" Waste Water Line	-	lf	\$	200.00	/lf	\$ -	
G3030		Storm Drain	-	lf	\$	-	/lf	\$ -	
G3060		Natural Gas	-	lf	\$	100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$	-	w/	District Cooling	
G4010		Permanent Power Ductbank	-	If	\$	250.00	/lf	\$ -	
G5010		Telecom Ductbank	-	lf	\$	150.00	/lf	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	
							/	\$ -	

\$ 4,145,970 \$4,173,970

Total

Notes

C-2

Congress Improvements



Typical	Length		lf
	Section Width		lf
	Area	55,700	sf
Turn Lane	Length		lf
	Section Width		lf
	Area	22,100	sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extens	ion	
G2010		Curb & Gutter		lf	\$ 18.00	/lf	\$	-	
G2010		Asphalt Pavement - Typical	55,700.0	sf	\$ 5.00 3.00	/sf	\$ 167	,100	278,500 R8
G2010		Asphalt Pavement - Turn Lane	22,100.0	sf	\$ 5.00 3.00	/sf	\$ -66	300	110,500 R8
G2010		Striping	77,800.0	sf	\$ 0.25	/sf	\$ 19	,450	R&Drain
G2010		Bike Lane	9,600.0	sf	\$ 8.00 3.00	/sf	\$ 28	,800	76,800 Stree
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$	-	
G2010		Street Lights / Light Poles - 90' Spacing	14.0	ea	\$ ^{12,000} 5,000.00	/ea	\$ 70	,000	168,000 Stre
G2010		Traffic Signals	-	ls	\$ 500,000.00	/ls	\$	-	
G2030		Sidewalk	20,000.0	sf	\$ 8.00	/sf	\$ 160	,000	Streetscape
G2030		ADA Ramps	4.0	ea	\$ 2,500.00	/ea	\$ 10	,000	Streetscape
G2060		Tree Grates	25.0	ea	\$ 3,500.00	/ea	\$ 87	,500	Streetscape
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/ls	\$ 100	,000	Streetscape
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$	-	
G2080		Landscape Strip	9,600.0	sf	\$ 10.00	/sf	\$ 96	,000	Streetscape
G2080		Trees - 20' Spacing	25.0	ea	\$ 2,800.00	/ea	\$ 70	,000	Streetscape
G3010		12" Water Line	-	lf	\$ 200.00	/lf	\$	-	
G3010		Auxillary Water	-	lf	\$ -	/lf	\$	-	
G3020		8" Waste Water Line	-	lf	\$ 200.00	/lf	\$	-	
G3030		Storm Drain	-	lf	\$ -	/lf	\$	-	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$	-	
G3090		District Cooling	-	lf	\$ -	w/Di	strict Cod	ling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$	-	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 875,150 \$1,176,750

Notes

BS-1

BARTON SPRINGS SEGMENT 1



 Typical
 Length
 1,050 lf

 Section Width
 56 lf

 Area
 58,800 sf

 Turn Lane
 Length
 150 lf

 Section Width
 59 lf

 Area
 8,850 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	2,310.0	lf	\$ 18.00	/lf	\$ 41,580	R&Drain
G2010		Asphalt Pavement - Typical	28,350.0	sf	\$ 5.00 - 3.00	/sf	\$ 85,050	141,750 R&Drain
G2010		Asphalt Pavement - Turn Lane	4,500.0	sf	\$ 5.00 -3.00	/sf	\$ 13,500	22,500 R&Drain
G2010		Striping	32,850.0	sf	\$ 0.25	/sf	\$ 8,213	R&Drain
G2010		Bike Lane	11,100.0	sf	\$ 8.00 -3.00	/sf	\$ 33,300	88,800 Streetscape
G2010		Unidentified Strip - Assume Concrete	2,220.0	sf	\$ 8.00	/sf	\$ 17,760	R&Drain
G2010		Street Lights / Light Poles - 90' Spacing	27.0	ea	\$ 12,000 5,000.00	/ea	\$ 135,000	324,000 Streetscape
G2010		Traffic Signals	1.0	ls	\$ -	/ls	\$ -	
G2030		Sidewalk	5,550.0	sf	\$ 8.00	/sf	\$ 44,400	Streetscape
G2030		ADA Ramps	4.0	ea	\$ 2,500.00	/ea	\$ 10,000	Streetscape
G2060		Tree Grates	120.0	ea	\$ 3,500.00	/ea	\$ 420,000	Streetscape
G2060		Site Furnishings	1.0	ls	\$ 500,000.00	/ls	\$ 500,000	Streetscape
G2080		Bioswale	7,200.0	sf	\$ 30.00 -10.00	/sf	\$ 72,000	216,000 Green Infra
G2080		Landscape Strip	6,660.0	sf	\$ 10.00	/sf	\$ 66,600	Streetscape
G2080		Trees - 20' Spacing	120.0	ea	\$ 2,800.00	/ea	\$ 336,000	Streetscape
G3010		12" Water Line	1,200.0	lf	\$ 200.00	/If	\$ 240,000	Utilities
G3010		Auxillary Water	-	lf	\$ -	/If	\$ -	
G3020		8" Waste Water Line	1,200.0	lf	\$ 175.00 -200.00	/If	\$ 240,000	210,000 Utilities
G3030		Storm Drain	-	lf	\$ -	/If	\$ -	
G3060		Natural Gas	1,200.0	lf	\$ 100.00	/If	\$ 120,000	Utilities
G3090		District Cooling	-	lf	\$ -	w/Di	strict Cooling	
G4010		Permanent Power Ductbank	1,200.0	lf	\$ 250.00	/If	\$ 300,000	Utilities
G5010		Telecom Ductbank	1,200.0	lf	\$ 150.00	/If	\$ 180,000	Utilities
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	

Total \$ 2,863,403 \$3,287,603

Notes

BS-2 BARTON SPRINGS SEGMENT 2



 Typical
 Length
 445 lf

 Section Width
 66 lf

 Area
 29,370 sf

 Turn Lane
 Length
 150 lf

 Section Width
 69 lf

 Area
 10,350 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension]
G2010		Curb & Gutter	1,190.0	lf	\$ 18.00	/lf	\$ 21,420	
G2010		Asphalt Pavement - Typical	12,015.0	sf	\$ 5.00	/sf	\$ 36,045	60,075
G2010		Asphalt Pavement - Turn Lane	4,500.0	sf	\$ 5.00 3.00	/sf	\$ 13,500	22,500
G2010		Striping	16,515.0	sf	\$ 0.25	/sf	\$ 4,129	
G2010		Bike Lane	7,140.0	sf	\$ 8.00 3.00	/sf	\$ 21,420	57,120
G2010		Unidentified Strip - Assume Concrete	-	sf	\$ 8.00	/sf	\$ -	
G2010		Street Lights / Light Poles - 90' Spacing	14.0	ea	\$ 12,000 5,000.00	/ea	\$ 70,000	168,000
G2010		Traffic Signals	1.0	ls	\$ 500,000.00	/ls	\$ 500,000	
G2030		Sidewalk	14,875.0	sf	\$ 8.00	/sf	\$ 119,000	
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	
G2060		Tree Grates	90.0	ea	\$ 3,500.00	/ea	\$ 315,000	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/ls	\$ 200,000	
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$ -	
G2080		Landscape Strip	7,140.0	sf	\$ 10.00	/sf	\$ 71,400	
G2080		Trees - 20' Spacing	90.0	ea	\$ 2,800.00	/ea	\$ 252,000	
G3010		12" Water Line	595.0	lf		/If	\$ 119,000	
G3010		Auxillary Water	-	lf	\$ -	/lf	\$ -	
G3020		8" Waste Water Line	595.0	lf	\$ 175.00 200.00	/lf	\$ 119,000	104,125
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$ -	w/Di	strict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	

Notes

BS-3

Barton Springs Intersection



Typical	Length	If
	Section Width	If
	Area	6,500 sf
Turn Lane	Length	If
	Section Width	If
	Area	sf

Code	Code	Description	Qty	UOM		U/P	/UOM	E	Extension	
G2010		Curb & Gutter		lf	\$	18.00	/If	\$	-	
G2010		Asphalt Pavement - Typical	6,500.0	sf	\$	5.00 5.75	/sf	\$	37,375	32,50
G2010		Asphalt Pavement - Turn Lane		sf	\$	5.00 3.00	/sf	\$	-	
G2010		Striping	6,500.0	sf	\$	0.25	/sf	\$	1,625	
G2010		Bike Lane		sf	\$	8.00 3.00	/sf	\$	-	
G2010		Unidentified Strip - Assume Concrete	-	sf	\$	8.00	/sf	\$	-	
G2010		Street Lights / Light Poles - 90' Spacing	4.0	ea	\$1	2,0005,000.00	/ea	\$	-20,000	48,0
G2010		Traffic Signals	1.0	ls	\$	1,601,000.00	/Is	\$	1,601,000	
G2030		Sidewalk		sf	\$	8.00	/sf	\$	-	
G2030		ADA Ramps		ea	\$	2,500.00	/ea	\$	-	
G2060		Tree Grates		ea	\$	3,500.00	/ea	\$	-	
G2060		Site Furnishings		ls	\$	100,000.00	/Is	\$	-	
G2080		Bioswale	-	sf	\$	10.00	/sf	\$	-	
G2080		Landscape Strip		sf	\$	10.00	/sf	\$	-	
G2080		Trees - 20' Spacing		ea	\$	2,800.00	/ea	\$	-	
G3010		12" Water Line	-	lf	\$	200.00	/lf	\$	-	
G3010		Auxillary Water	-	lf	\$	-	/If	\$	-	
G3020		8" Waste Water Line	-	lf	\$	200.00	/lf	\$	-	
G3030		Storm Drain	-	lf	\$	-	/If	\$	-	
G3060		Natural Gas	-	lf	\$	100.00	/If	\$	-	
G3090		District Cooling	-	lf	\$	-	w,	/Dist	rict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$	250.00	/lf	\$	-	
G5010		Telecom Ductbank	-	lf	\$	150.00	/If	\$	-	
							/	\$	-	
							/	\$	-	
							/	\$	-	
							/	\$	-	
							/	\$	-	
							/	\$	-	
							/	\$	-	1
							/	\$	-	1

Total \$ 1,660,000 \$1,683,125

P-1

Typical

Plaza - Great Steps

Length 225 Section Width

varies

80' at south end 145' at north end

Area 28,300 sf **Elevation Change** 5 ft



Code	Code	Description	Qty	UOM		U/P	/UOM	Е	xtension	
		Stair Landings	4.0	ea	\$	-	/ea	\$	-	
		Landing Area - Top	1,450.0	sf	\$	-	/sf	\$	-	
		Landing Area - Mid-1	4,360.0	sf	\$	-	/sf	\$	-	
		Landing Area - Mid-2	5,375.0	sf	\$	-	/sf	\$	-	
		Landing Area - Bottom	4,900.0	sf	\$	-	/sf	\$	-	replaced by S-1 street
		Total Stair Landing Area	16,085.0	sf	\$	-	/sf	\$	-	replaced by S-1 street
		Steps - Top to Mid-1	4.0	riser	\$	-	/riser	\$	-	
		Steps - Mid 1 to Mid-2	5.0	riser	\$	-	/riser	\$	-	North side only
		Steps - Mid 2 to Bottom	5.0	riser	\$	-	/riser	\$	-	
		Step Length - Top to Mid-1	90.0	lf	\$	-	/If	\$	-	North side only
		Step Length - Mid-1 to Mid-2	110.0	lf	\$	-	/lf	\$	-	North side only
		Step Length - Mid-2 to Bottome	135.0	lf	\$	-	/lf	\$	-	
		Total Step Length	1,585.0	lf	\$	-	/If	\$	-	
		Stair Construction								
G2060		Structural Geofoam	63,675.0	cf	\$	5.00	/cf	\$	318,375	
G2060		Concrete Landings	16,085.0	sf	\$	12.00	/sf	\$	193,020	
G2060		Concrete Stairs	1,585.0	lf	\$	100.00	/lf	\$	158,500	
G2060		Concrete Walls on Sides	5,850.0	sf	\$	25.00	/sf	\$	146,250	Assume 13' Tall, Both Sides, Entire Length
G2060		Pavers on Landings	16,805.0	sf	\$	15.00	/sf	\$	252,075	
G2060		Stair Treads	1,585.0	lf	\$	25.00	/If	\$	39,625	
G2060		Stairs Risers	1,585.0	lf	\$	25.00	/If	\$	39,625	
G2060		Stair Nosings	1,585.0	lf	\$	10.00	/lf	\$	15,850	49,500
G2060		Handrails	180.0	lf	\$ <mark>2</mark>	275.00 175.00	/If	\$	-31,500	30 If per set per side of steps, 3 sets of steps
G2060		Center Rail	180.0	lf	\$	250.00	/If	\$	45,000	60 If per set of steps, 3 sets of steps
G2060		Wall Claddings - Stone	3,600.0	sf	\$	35.00 <u>25.00</u>	/sf	\$	90,000	assume 10' drop, treat as triangel shape on both sides, add 3' cap wall on top
G2060		Wall Claddings - Stone Cap	550.0	lf	\$	45.00 35.00	/lf	\$	19,250	126,000
G2080		Furnishings	1.0	ea	\$	200,000.00	/ea	\$	200,000	24,730
G2080		Landscaping	1.0		\$	175,000.00		\$	175,000	
G2080		Water Feature	1.0		\$	500,000.00		\$	500,000	
G4050		Lighting	1.0	ls	\$	200,000.00	/Is	\$	200,000	
		Allowance- underground utility conflicts/re-routing				\$100,000	/	\$	-	\$100,000
							/	\$	-	
							/	\$	-	

450' at top, 445' at bottom

Total Cost/SF 85.66

Notes

P-2 Plaza

Typical Length

Section Width

Area 3,100

60 lf 3,100 sf

52 If



Code	Code	Description	Qty	UOM	U/P	/UOM	E	xtension	
G2030		Pavers and Concrete	2,480.0	sf	\$ 40.00	/sf	\$	99,200	80% of area
G2030		Tapered Insulation	2,480.0	sf	\$ 4.00	/sf	\$	9,920	
G2060		Tree Grates	6.0	ea	\$ 3,500.00	/ea	\$	21,000	
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
G2060		Water Feature	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
G2080		Trees	6.0	ea	\$ 2,800.00	/ea	\$	16,800	
G2080		Landscaping	620.0	sf	\$ 50.00	/sf	\$	31,000	20% of area
G4050		Lighting	1.0	ls	\$ 100,000.00	/ls	\$	100,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	1
						/	\$	-	

Total \$ 477,920 Cost/SF \$ 154.17

P-3 Plaza

Typical Length

Length225IfSection Width15IfArea3,375sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	2,700.0	sf	\$ 40.00	/sf	\$	108,000	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	10.0	ea	\$ 3,500.00	/ea	\$	35,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 50,000.00	/ls	\$	50,000	
G2060		Water Feature	-	ls	\$ 100,000.00	/ls	\$	-	
G2080		Trees	10.0	ea	\$ 2,800.00	/ea	\$	28,000	
G2080		Landscaping	675.0	sf	\$ 25.00	/sf	\$	16,875	20% of area
G4050		Lighting	1.0	ls	\$ 50,000.00	/ls	\$	50,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 287,875 Cost/SF \$ 85.30



P-4 Plaza

Typical Length

Length316IfSection Width44IfArea13,904sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	11,123.2	sf	\$ 40.00	/sf	\$	444,928	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	24.0	ea	\$ 3,500.00	/ea	\$	84,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 100,000.00	/Is	\$	100,000	
G2060		Water Feature	-	ls	\$ -	/Is	\$	-	
G2080		Trees	24.0	ea	\$ 2,800.00	/ea	\$	67,200	
G2080		Landscaping	2,780.8	sf	\$ 25.00	/sf	\$	69,520	20% of area
G4050		Lighting	1.0	ls	\$ 75,000.00	/Is	\$	75,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 840,648 Cost/SF \$ 60.46



P-5 Plaza

Typical Length

Length310 IfSection Width30 IfArea9,300 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	7,440.0	sf	\$ 40.00	/sf	\$	297,600	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	15.0	ea	\$ 3,500.00	/ea	\$	52,500	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
G2060		Water Feature	-	ls	\$ -	/Is	\$	-	
G2080		Trees	15.0	ea	\$ 2,800.00	/ea	\$	42,000	
G2080		Landscaping	1,860.0	sf	\$ 25.00	/sf	\$	46,500	20% of area
G4050		Lighting	1.0	ls	\$ 50,000.00	/Is	\$	50,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

Total \$ 538,600 Cost/SF \$ 57.91



P-6 Plaza

Typical Length

110 lf Section Width Area

3,300 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Е	xtension	
G2030		Pavers and Concrete	2,640.0	sf	\$ 40.00	/sf	\$	105,600	80% of area
G2030		Tapered Insulation	-	sf	\$ 4.00	/sf	\$	-	
G2060		Tree Grates	10.0	ea	\$ 3,500.00	/ea	\$	35,000	20' on center, both sides
G2060		Site Furnishings	1.0	ls	\$ 30,000.00	/ls	\$	30,000	
G2060		Water Feature	-	ls	\$ -	/ls	\$	-	
G2080		Trees	10.0	ea	\$ 2,800.00	/ea	\$	28,000	
G2080		Landscaping	660.0	sf	\$ 25.00	/sf	\$	16,500	20% of area
G4050		Lighting	1.0	ls	\$ 25,000.00	/ls	\$	25,000	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	
						/	\$	-	

30 If

\$ 240,100 Total Cost/SF 72.76



P-7

Plaza - 7 (Grand Pedestrian Walkway)



Typical Length 351 If Section Width 46 If Area 16,100 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	702.0	lf	\$ 18.00	/lf	\$ 12,636	
G2010		Street Lights / Light Poles - 90' Spacing	8.0	ea	\$ ^{12,000} 5,000.00	/ea	\$ 40,000	96,000
G2030		Pathway Pavers	2,808.0	sf	\$ 38.00 15.00	/sf	\$ 42,120	106,704
G2030		Outdoor Seating Pavers	4,212.0	sf	\$ 38.00 -15.00	/sf	\$ 63,180	160,056
G2030		Signature Walkway	8,775.0	sf	\$ 38.00 15.00	/sf	\$ 131,625	333,450
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	
G2060		Tree Grates	36.0	ea	\$ 3,500.00	/ea	\$ 126,000	three rows
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/ls	\$ 200,000	
G2080		Trees - 20' Spacing	36.0	ea	\$ 2,800.00	/ea	\$ 100,800	
G3010		12" Water Line	351.0	lf	\$ 200.00	/lf	\$ 70,200	
G3010		Auxillary Water	351.0	lf	\$ 75.00	/lf	\$ 26,325	
G3020		8" Waste Water Line	351.0	lf	\$ 175.00 200.00	/lf	\$ 70,200	61,425
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3030		Trench Drain	351.0	lf	\$ 100.00	/lf	\$ 35,100	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$ -	w/Di	strict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	
G5010		Telecom Ductbank		lf	\$ 150.00	/lf	\$ -	
		Allowance- Underground utility conflicts/re-routing				/	\$ \$50,000	\$50,000
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	

Total \$ 923,186 \$1,383,896 Cost/SF \$ 57.34

S-1 Internal Street Segment 1



Typical Length 238 If Section Width 66 If Area 15,700 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	476.0	lf	\$ 18.00	/lf	\$ 8,568	R&Drain
G2010		Asphalt Pavement - Typical	6,426.0	sf	\$ 5.00 3.00	/sf	\$ 19,278	32,130 R&Drain
G2010		Striping	6,426.0	sf	\$ 0.25	/sf	\$ 1,607	R&Drain
G2010		Bike Lane	2,856.0	sf	\$ 8.00 3.00	/sf	\$ 8,568	22,920 Streetscape
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$12,000 5,000.00	/ea	\$ 30,000	72,000 Streetscape
G2010		Traffic Signals	-	ls	\$ 500,000.00	/Is	\$ -	
G2030		Sidewalk	5,950.0	sf	\$ 8.00	/sf	\$ 47,600	Streetscape
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	Streetscape
G2060		Tree Grates	24.0	ea	\$ 3,500.00	/ea	\$ 84,000	three rows Streetscape
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/ls	\$ 200,000	Streetscape
G2080		Bioswale	-	sf	\$ 10.00	/sf	\$ -	
G2080		Landscape Strip	2,856.0	sf	\$ 10.00	/sf	\$ 28,560	Streetscape
G2080		Trees - 20' Spacing	24.0	ea	\$ 2,800.00	/ea	\$ 67,200	Streetscape
G3010		12" Water Line	238.0	lf	\$ 200.00	/lf	\$ 47,600	Utilities
G3010		Auxillary Water	-	lf	\$ -	/lf	\$ -	
G3020		8" Waste Water Line	238.0	lf	\$ 175.00 200.00	/lf	\$ 47,600	41,650 Utilities
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3060		Natural Gas	238.0	lf	\$ 100.00	/lf	\$ 23,800	Utilities
G3090		District Cooling		lf	\$ -	w/Di	istrict Cooling	
G4010		Permanent Power Ductbank	238.0	lf	\$ 250.00	/lf	\$ 59,500	Utilities
G5010		Telecom Ductbank	238.0	lf	\$ 150.00	/lf	\$ 35,700	Utilities
						/	\$ -	
						/	\$ -	
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						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	1
						/	\$ -	

Total \$ 714,581 \$777,835

S2 Int 1 S2 Intersection 1

Typical Length

Section Width

67 If 4,400 sf Area



Code	Code	Description	Qty	UOM		U/P	/UOM	Ext	tension	
G2010		Curb & Gutter	66.0	lf	\$	18.00	/If	\$	1,188	R&Drain
G2010		Roadway Pavers	729.0	sf	\$	38.00 15.00	/sf	\$	10,935	27,702 Streetscape
G2010		Street Lights / Light Poles - 90' Spacing	-	ea	\$1	2,000 5,000.00	/ea	\$	-	
G2010		Bike Lane	792.0	sf	\$	8.00 3.00	/sf	\$	2,376	6,336 Streetscape
G2030		Pathway Pavers - North Side Only	396.0	sf	\$	38.00 15.00	/sf	\$	5,940	15,048 Streetscape
G2030		Outdoor Seating Pavers	1	sf	\$	15.00	/sf	\$	-	replaced by S-1 street
G2030		ADA Ramps	2.0	ea	\$	2,500.00	/ea	\$	5,000	Streetscape
G2060		Tree Grates	3.0	ea	\$	3,500.00	/ea	\$	10,500	North side only Streetscape
G2060		Site Furnishings	1.0	ls	\$	25,000.00	/ls	\$	25,000	Streetscape
G2080		Trees - 20' Spacing	3.0	ea	\$	2,800.00	/ea	\$	8,400	North side only Streetscape
G2080		Landscape Strip	396.0	sf	\$	10.00	/sf	\$	3,960	North side only Streetscape
G3010		12" Water Line	66.0	lf	\$	200.00	/If	\$	13,200	Utilities
G3010		Auxillary Water	66.0	lf	\$	75.00	/If	\$	4,950	Utilities
G3020		8" Waste Water Line	66.0	lf	\$	175.00 200.00	/If	\$	13,200	11,500 Utilities
G3030		Storm Drain	-	lf	\$	-	/If	\$	-	
G3060		Natural Gas	-	lf	\$	100.00	/lf	\$	-	
G3090		District Cooling	-	lf	\$	-	w/Di	strict	Cooling	
G4010		Permanent Power Ductbank	-	lf	\$	250.00	/If	\$	-	
G5010		Telecom Ductbank	-	lf	\$	150.00	/If	\$	-	
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							/	\$	-	
							/	\$	-	

66 If

\$ 104,649 Total \$132,784 Cost/SF 23.78

S2

S2 Laneway (Decorative Street)

Cross Section similar to BS-2 Extension

Typical Length

266 If 66 If

Section Width 66 If Area 17,600 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	532.0	lf	\$ 18.00	/lf	\$ 9,576	R&Drain
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$12,000 5,000.00	/ea	\$ 30,000	72,000 Streetscape
G2010		Bike Lane	3,192.0	sf	\$ 8.00 -3.00-	/sf	\$ 9,576	25,536 Streetscape
G2010		Roadway Pavers	7,182.0	sf	\$ 38.00 15.00	/sf	\$ 107,730	272,916 Streetscape
G2030		Pathway Pavers	1,596.0	sf	\$ 38.00 15.00	/sf	\$ 23,940	60,648 Streetscape
G2030		Outdoor Seating Pavers	3,192.0	sf	\$ 15.00	/sf	\$ 47,880	Streetscape
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	Streetscape
G2060		Tree Grates	27.0	ea	\$ 3,500.00	/ea	\$ 94,500	three rows Streetscap
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/ls	\$ 200,000	Streetscape
G2080		Trees - 20' Spacing	27.0	ea	\$ 2,800.00	/ea	\$ 75,600	Streetscape
G3010		12" Water Line	266.0	lf	\$ 200.00	/If	\$ 53,200	Utilities
G3010		Auxillary Water	266.0	lf	\$ 75.00	/If	\$ 19,950	Utilities
G3020		8" Waste Water Line	266.0	lf	\$ 175.00 200.0 0	/If	\$ 53,20 0	46,550 Utilities
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3060		Natural Gas	-	lf	\$ 100.00	/If	\$ -	
G3090		District Cooling	-	If	\$ -	w/Di	strict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/If	\$ -	
G5010		Telecom Ductbank		lf	\$ 150.00	/If	\$ -	
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S2

S2 Intersection 2



Typical Length

Section Width

Area

65 lf 4,300 sf

66 If

Code	Code	Description	Qty	UOM		U/P	/UOM	Ex	tension	
G2010		Curb & Gutter	66.0	lf	\$	18.00	/lf	\$	1,188	R&Drain
G2010		Roadway Pavers	729.0	sf	\$	38.00 15.00	/sf	\$	10,935	27,702 Streetscape
G2010		Street Lights / Light Poles - 90' Spacing	-	ea	\$ 12	2,000 5,000.00	/ea	\$	-	
G2010		Bike Lane	792.0	sf	\$	8.00 -3.00	/sf	\$	-2,376	6,336 Streetscape
G2030		Pathway Pavers - North Side Only	396.0	sf	\$	38.00 15.00	/sf	\$	5,940	15,048 Streetscape
G2030		Outdoor Seating Pavers	ı	sf	\$	15.00	/sf	\$	-	replaced by S-1 street
G2030		ADA Ramps	2.0	ea	\$	2,500.00	/ea	\$	5,000	Streetscape
G2060		Tree Grates	3.0	ea	\$	3,500.00	/ea	\$	10,500	North side only Streetscape
G2060		Site Furnishings	1.0	ls	\$	25,000.00	/ls	\$	25,000	Streetscape
G2080		Trees - 20' Spacing	3.0	ea	\$	2,800.00	/ea	\$	8,400	North side only Streetscape
G2080		Landscape Strip	396.0	sf	\$	10.00	/sf	\$	3,960	North side only Streetscape
G3010		12" Water Line	66.0	lf	\$	200.00	/If	\$	13,200	Utilities
G3010		Auxillary Water	66.0	lf	\$	75.00	/If	\$	4,950	Utilities
G3020		8" Waste Water Line	66.0	lf	\$ 1	175.00 200.00	/lf	\$	13,200	11,500 Utilities
G3030		Storm Drain	-	lf	\$	-	/lf	\$	-	
G3060		Natural Gas	-	lf	\$	100.00	/lf	\$	-	
G3090		District Cooling	•	lf	\$	-	w/Di	istric	t Cooling	
G4010		Permanent Power Ductbank	ı	lf	\$	250.00	/lf	\$	-	
G5010		Telecom Ductbank	-	lf	\$	150.00	/If	\$	-	
							/	\$	-	
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							/	\$	-	
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							/	\$	-	
							/	\$	-	
							/	\$	-	

Total \$ 104,649 \$132,784 Cost/SF \$ 24.34

S-3 Internal Street Segment 3



Area 16,400 sf



Code	Code	Description	Qty	UOM	U/P	/UOM	Extension	
G2010		Curb & Gutter	496.0	lf	\$ 18.00	/lf	\$ 8,928	R&Drain
G2010		Asphalt Pavement - Typical	6,696.0	sf	\$ 5.00 -3.00	/sf	\$ 20,088	33,480 R&Drain
G2010		Striping	6,696.0	sf	\$ 0.25	/sf	\$ 1,674	R&Drain
G2010		Bike Lane	2,976.0	sf	\$ 8.00 -3.00	/sf	\$ 8,928	23,808 Streetscape
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$ 12,000 5,000.00	/ea	\$ -30,000	72,000 Streetscape
G2010		Unidentified Strip - Assume Concrete	496.0	sf	\$ 8.00	/sf	\$ 3,968	Streetscape
G2010		Traffic Signals	-	ls	\$ 500,000.00	/Is	\$ -	
G2030		Sidewalk	3,720.0	sf	\$ 8.00	/sf	\$ 29,760	Streetscape
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	Streetscape
G2060		Tree Grates	25.0	ea	\$ 3,500.00	/ea	\$ 87,500	three rows Streetscape
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$ 200,000	Streetscape
G2080		Bioswale	1,488.0	sf	\$ 30.00 10.00	/sf	\$ 1 4,88 0	44640 Green Infra
G2080		Landscape Strip	2,856.0	sf	\$ 10.00	/sf	\$ 28,560	Streetscape
G2080		Trees - 20' Spacing	25.0	ea	\$ 2,800.00	/ea	\$ 70,000	Streetscape
G3010		12" Water Line	248.0	lf	\$ 200.00	/If	\$ 49,600	Utilities
G3010		Auxillary Water	248.0	lf	\$ -	/lf	\$ -	
G3020		8" Waste Water Line	248.0	lf	\$ 175.00 200.00	/lf	\$ 49,60 0	43,400 Utilities
G3030		Storm Drain		lf	\$ -	/lf	\$ -	
G3060		Natural Gas	0	lf	\$ 100.00	/lf	\$ -	under S-1
G3090		District Cooling	-	lf	\$ -	/lf	N/A	under S-1
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	under S-1
G5010		Telecom Ductbank	-	lf	\$ 150.00	/If	\$ -	under S-1
						/	\$ -	
						/	\$ -	
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						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	
						/	\$ -	

Total \$ -608,486 \$702,318

S4

S4 Laneway (Decorative Street)



Typical Length 170 lf Section Width 60 lf Area 10,200 sf

Code	Code	Description	Qty	UOM	U/P	/UOM	Extension]
G2010		Curb & Gutter	340.0	lf	\$ 18.00	/lf	\$ 6,120	R&Drain
G2010		Street Lights / Light Poles - 90' Spacing	6.0	ea	\$12,000 5,000.00	/ea	\$ -30,000	72,000 St
G2010		Bike Lane	2,040.0	sf	\$ 8.00 3.00	/sf	\$ 6,120	16,320 St
G2010		Roadway Pavers	4,590.0	sf	\$ 38.00 15.00	/sf	\$ 68,850	174,420 S
G2030		Pathway Pavers	1,020.0	sf	\$ 38.00 15.00	/sf	\$ 15,300	38,760 S
G2030		Outdoor Seating Pavers	2,040.0	sf	\$ 38.00 15.00	/sf	\$ 30,600	77,520 S
G2030		ADA Ramps	2.0	ea	\$ 2,500.00	/ea	\$ 5,000	Streetscape
G2060		Tree Grates	18.0	ea	\$ 3,500.00	/ea	\$ 63,000	Streetscape
G2060		Site Furnishings	1.0	ls	\$ 200,000.00	/Is	\$ 200,000	Streetscape
G2080		Trees - 20' Spacing	18.0	ea	\$ 2,800.00	/ea	\$ 50,400	Streetscape
G3010		12" Water Line		lf	\$ 200.00	/lf	\$ -	
G3010		Auxillary Water	-	lf	\$ 75.00	/lf	\$ -	
G3020		8" Waste Water Line	-	lf	\$ 200.00	/lf	\$ -	
G3030		Storm Drain	-	lf	\$ -	/lf	\$ -	
G3060		Natural Gas	-	lf	\$ 100.00	/lf	\$ -	
G3090		District Cooling	-	lf	\$ -	w/Di	istrict Cooling	
G4010		Permanent Power Ductbank	-	lf	\$ 250.00	/lf	\$ -	
G5010		Telecom Ductbank	-	lf	\$ 150.00	/lf	\$ -	
						/	\$ -	
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						/	\$ -	1
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Total \$ -475,390 \$703,540 Cost/SF \$ 46.61

Notes

G-3 Regrading Works



Code	Code	Description	Qty	UOM	U/P	/UOM	Exten	sion
		Tree Removal						
G2080	320000	Parcel 1	8.0	ea	\$ 5,000.00	/ea	\$	40,000
G2080	320000	Parcel 2	1.0	ea	\$ 5,000.00	/ea	\$	5,000
G2080	320000	Parcel 3	2.0	ea	\$ 5,000.00	/ea	\$	10,000
G2080	320000	Parcel 4	23.0	ea	\$ 5,000.00	/ea	\$	115,000
G2080	320000	BS-1	27.0	ea	\$ 5,000.00	/ea	\$	135,000
G2080	320000	BS-2	-	ea	\$ 5,000.00	/ea	\$	-
G2080	320000	Segment 2	1.0	ea	\$ 5,000.00	/ea	\$	5,000
G2080	320000	Lakefront Park					w/ G-1	
		Protected Tree Removal						
G2080	320000	Parcel 4	2.0	ea	\$ 5,000.00	/ea	\$	10,000
G2080	320000	BS-1	8.0	ea	\$ 5,000.00	/ea	\$	40,000
		Clear & Grubb Site						
G1010	320000	Main Site	465,000.0	sf	\$ 0.25	/sf	\$	116,250
G1010		Park	292,000.0	sf	\$ 0.50	/sf	\$	146,000
G1010		BS-2	42,000.0	sf	\$ 0.10	/sf	\$	4,200
G1010		S-3					Excluded	l
		Demolition						
G1030		Parking Lot Demolition	200,000.0	sf	\$ 1.00	/sf	\$	200,000
		Grading, Cut & Fill						
G1070		Main Site	465,000.0	sf	\$ 2.00	/sf	\$	930,000
G1070		Park	292,000.0	sf	\$ 2.00	/sf	\$	584,000
G1070		BS-2	42,000.0	sf	\$ 2.00	/sf	\$	84,000
G1070		S-3					Excluded	1
						/	\$	-
						/	\$	-

Total \$ 2,424,450