LAKE PFLUGERVILLE | PRELIMINARY DESIGN REPORT





Acknowledgments

The Lake Pflugerville Preliminary Design Report has been developed by the City of Pflugerville with the technical assistance of Halff Associates.

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Introduction

Lake Pflugerville was constructed in the early 2000's to provide a new source of drinking water for the citizens of Pflugerville. Shortly after its construction, the city designed and developed a small park and beach to give the residents an opportunity to interact with the lake. The improvements included a parking lot, restroom, small playground, picnic pavilions, a loop trail around the lake, and a kayak rental facility.

In 2014, Halff Associates was selected to prepared the Lake Pflugerville Master Plan for the City and identified conceptual layouts with associated cost estimates for ultimate recreational development. As part of the preparation and completion of the Master Plan, Halff helped facilitate public open houses and forums with residents, the City Parks Boards and City Council. Items such as expansion of existing parking, additional restroom facilities, and beach expansions were considerations mentioned by numerous citizens and user groups.

Halff was again selected as part of the request for qualifications in 2018 for conducting more detailed layouts, cost estimates and project phasing determination based on available City funding. The consultant team has further analyzed each portion of the existing Lake Pflugerville facility and further detailed conceptual facility designs and updated construction cost projections. This report has identified constraints which will play a role in ultimate phasing of the future park improvements as well as the Biehle House Property which was not part of the original Master Plan.

The following sections will identify such constraints for specific sections of the lake as well as illustrate proposed recommendations for phasing of improvements.

Existing Conditions

SOUTH SIDE

During the most recent Master Plan process, Pflugerville residents requested additional beach areas around Lake Pflugerville. The plan proceeded to show the south side of Lake Pflugerville to have improved parking, construction of a defined bulkhead, pier facilities, restrooms and an outdoor amphitheater.

In response, Halff considered developing the south side of Lake Pflugerville in order to increase the beach area before concluding that the south shore is not conducive for this at this time due to the following reasons:

PREVAILING WINDS

Due to prevailing winds from the southwest, this would create an ongoing maintenance issue for the beach at this time. Winds from the south could pull sand from the beach out to the middle of the lake. As development occurs to the south of the lake, this will help provide a physical wind break.

WASTEWATER FACILITIES

The largest issue with the southern side of the lake is the absence of wastewater facilities to accommodate restroom improvements. In order to provide amenities on the south side of the Lake, restroom facilities would be required to accommodate the increased number of users. Furthermore, the elevation of the south side beach is lower than the wastewater utilities at both the current Beach Park and the Lakeside at Villages of Hidden Lakes neighborhood. This would make it impossible to connect the south side restrooms to these existing systems by conventional gravity flow. The distance between the south side of the lake and these two wastewater systems would also be too far to connect feasibly.

Ultimately, gravity wastewater service for the south

side of Lake Pflugerville is to be provided by the Pflugerville wastewater interceptor which would route effluent to the existing Sorento wastewater interceptor and the Carmel/Sorento lift station facility. Preliminary construction costs for the necessary expansions of the Sorento interceptor as well as the initial construction of the Pflugerville interceptor are greater than the current City allocated funding for the park.

ROAD WIDENING

In addition to wastewater service issues, with the anticipated widening of Pflugerville Parkway to four lanes, access to the southern portion of the Lake will be limited to specific locations. It has yet to be determined if the city portions of the roadway will be widened on the Lake side of the road.

In conclusion, any improvements to the south side of the lake are suggested to be postponed until further development of the Pflugerville Parkway widening project as well as the wastewater interceptors are completed.



PICTURE 01 | LAKE PFLUGERVILLE - SOUTH SIDE TRAIL

The park restrooms are serviced by water and

size and depth of the lines presents opportunities

for additional restrooms if so desired on the north

side of the lake. Due to the water and wastewater

alignments, placement of a second restroom facility

wastewater lines coming in from the west.

BEACH

The existing beach facility is not large enough to handle the volume of users during the peak seasons. The 2014 Master Plan proposed expanding the existing beach, providing additional parking, and implementing a new active recreation area. The park site currently lacks sufficient parking and restroom facilities for the busy summer months. The park's only vehicular access point is a road connecting the parking lot to Weiss Lane. Users can also access the beach on foot through the Lake Pflugerville Trail or the Villages of Hidden Lake neighborhood.

The existing topography conveys drainage from the parking lot to an open field to the immediate south. This unused land does present an opportunity for parking lot expansion while also serving as a natural vegetated filter strip.

would be optimal farther to the west of the current restrooms.

Given the available space for amenity and parking expansion, enhancements to the existing beach park

are recommended for the first phase of development.



PICTURE 02 | LAKE PFLUGERVILLE - BEACH



PICTURE 03 | LAKE PFLUGERVILLE - RESTROOM



PICTURE 04 | LAKE PFLUGERVILLE - PAVILION



PICTURE 05 | LAKE PFLUGERVILLE - ACCESS

TRAILHEAD

The 2014 Master Plan identified a potential multipurpose trailhead facility along Silent Harbor Loop. This trailhead would provide a small parking lot, restroom, and trail access to the park. The identified portion of land has existing storm sewer, wastewater, and water utilities in close proximity which makes this an excellent location for another restroom facility. It is important to note that while the location provides adequate utility service, the storm line crosses diagonally through the proposed site. The design of a trailhead in this location should take careful note of the storm line location as to not place the restroom building on top of it. Drive access for the trailhead location is possible at two locations in order to satisfy the City's Unified Development Code guidelines.

Given the proposed location of this trailhead, open land adjacent to the parking facility may be used to treat stormwater runoff. A second treatment option is to utilize the 48 inch storm drain if so desired.

By providing additional trailheads around the perimeter of the lake, this will provide trail access without competing with the traffic at the beach location. Given the available space as well as the existence of utility infrastructure, this trailhead is recommended within the first phase of development.



PICTURE 06 | PROPOSED TRAILHEAD - WESTERN VIEW



PICTURE 07 | PROPOSED TRAILHEAD



PICTURE 08 | PROPOSED TRAILHEAD

BIEHLE HOUSE

The property for the proposed Biehle House construction is located to the west of Becker Farm Road. Currently the property contains a house, a detached garage, fencing, a small stock pond, and a small grove of large trees. A gravel drive connects the homestead to Becker Farm Road without any parking facilities. The existing topography of the site contains a gentle slope from north to south, conveying water to the stock pond immediately adjacent to the lake. An existing concrete storm culvert is located directly under the entry driveway, which handles runoff from the roadway.

The property is currently served by City water and a wastewater is handled by a septic system. While there is no wastewater serving the property, the nearest feasible wastewater system for the property is an 8-in main currently under construction at Becker Farm neighborhood 500' to the north. This wastewater system has the capacity to accommodate the flow from Biehle House, but due to topographic constraints, gravity connection is not possible and a grinder pump is required. Ultimately wastewater service at the Biehle tract would need to be from the future Pflugerville wastewater Interceptor, still years away.

Per the City of Pflugerville Master Transportation Plan, Hidden Lakes Boulevard is anticipated to be expanded to the south and connect to Pflugerville Parkway. This future road expansion is anticipated to occur on the west side of the Biehle property therefore allowing two possible driveway connections; to Hidden Lakes Blvd and to Becker Farm Road. To limit the number of conflict points for vehicular and pedestrian access, it is recommend that drive access to Becker Farm Road for the Biehle property be situated directly across from Hagerty Crossing.

The Biehle House Property concepts that are part of this report are important to show what is possible at this location, but the current budget does not include funds for most of the proposed improvement. Furthermore, necessary utility improvements may be costly due to site constraints.

The following sections in this report will provide further detailed cost breakdowns of all identified areas of the Lake as well as illustrate further defined preliminary concepts of designs which could be considered for Phase One implementation.



PICTURE 09 | BIEHLE HOUSE - EASTERN VIEW



PICTURE 10 | BIEHLE HOUSE - FIELD



PICTURE 11 | BIEHLE HOUSE - POND





Master Phasing Plan

MAP 02 | LAKE PFLUGERVILLE - TRAILHEAD AREA



TRAILHEAD

Construction of a western trailhead along Silent Harbor Loop will allow for additional opportunities to access the park. Each area of the proposed master plan provides a different experience and activities around the lake. This trailhead will allow users to quickly access the loop trail and future boardwalks that provide educational opportunities of the wetlands on the western portion of the lake. Trailhead improvements include a new parking facility, small restroom, and trail access to the park and connecting neighborhood trail.

Another benefit of this additional trailhead is that it effectively splits the load of the park users as it provides a location other than the beach where users can access the park and have support facilities. It is recommended that the first phase of development include this trailhead.

TABLE 01 | TRAILHEAD - OPINION OF PROBABLE COST

Trailhead (Western Parking Lot and Trail to Esplanade)	
Walkways and Site Structures	\$69,750
Parking (est. 40 spaces) and Infrastructure	\$350,000
New Restroom Facilities	\$200,000
Lighting Furnishings	\$47,400
Landscape Miscellaneous Improvements	\$71,200
TOTAL	\$738,350

^{*} Costs shown are in 2019 dollars and are not an order of magnitude, pre-design level. Construction contingency and soft costs are not shown here. Refer to full cost estimate at end of document for all additional design and contingency costs. All costs are prior to specific site assessments and any design will require more detailed evaluations to determine specific costs for each specific segment.

MAP 03 | LAKE PFLUGERVILLE - BEACH AREA



* Areas marked as not included in Phase 01.

THE BEACH

Currently the beach area is the only opportunity for park users to gather and interact with the lake where there are associated support facilities. Due to the limited space and all users being consolidated at this location, the current facilities are unable to support the demand. The consultant team recommends that the first phase of development include items highlighted in the cost estimate below. Key items that the first phase should try to incorporate are expanding the parking

facilities, addition of a second restroom, introduction of a splash pad, shade structures, and expansion of the beach area. It's important to note that not all of the proposed beach improvements may be accounted for within the first phase of development. Additional items such as the new playground structures, expanded beach front, and re-purposing the existing restroom may occur in future phases.

TABLE 02 | BEACH AREA - OPINION OF PROBABLE COST

Beach Area Phase 1 (Parking Lot and Esplanade)		
New Restroom Facility Refurbishments		\$450,000
New Splash Pad		\$407,000
Infrastructure and Parking (est. 100 additional spaces)		\$797,500
Shade Structures		\$500,000
Walkways Furnishings Additional Site Structures		\$671,500
Landscape Electrical Miscellaneous Improvements		\$617,000
	TOTAL	\$3,443,000

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FIGURE 01 | LAKE PFLUGERVILLE - BEACH AREA



MAP 04 | LAKE PFLUGERVILLE - BOARDWALK TRAIL AREA



BOARDWALK TRAIL

Nestled into the northwestern corner of the lake resides a natural wetland containing the right habitat of wetland vegetation and animals alike. The master plan proposes to weave a boardwalk system into the existing wetlands to allow for park users to safely engage with the flora and fauna with minimal disturbance.

The boardwalk network is built on a system of drilled piers into the soil below so that water and wildlife can freely flow under the walking surface. Located in the center are two covered overlooks for wildlife viewing. While a much desired opportunity for the lake, the boardwalk systems are not recommended within the first phase of development.

TABLE 03 | BOARDWALK TRAIL - OPINION OF PROBABLE COST

Boardwalk Trail Area		
Hardscape Site Structures		\$2,100,000
Wetland landscaping Site furnishings		\$50,000
	TOTAL	\$2,150,000

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FIGURE 02 | LAKE PFLUGERVILLE - BOARDWALK AREA







M.O.R.E. PLAN

To compliment the analysis and recommendations of this plan, a Maintenance, Operations, Revenue, and Expenditure (M.O.R.E.) Plan has been generated for the first phase of development. This plan is to serve as a tool for city staff to evaluate the internal needs and expectations of developing the park. Manpower or projections and expected operating costs were generated in coordinating discussions with parks and recreation staff.

legend

M: Staff Maintenance personnel

C: Contracted position

TABLE 04 | M.O.R.E PLAN - BOARDWALK

BOARDWALK AREA							
LOCATION TASKS	UNIT	TOTAL UNITS	HOURS/ UNIT	FREQ. PER YEAR	TOTAL NUMBERS OF HOURS	NUMBER OF STAFF	PERSONNEL TYPE
Trail Maintenance Concrete	MILE	0.09	0.5	36	1.62	0.00	М
Boardwalk Decking	LF	1	2	12	24	.01	
Wildlife Viewing Platforms	EACH	2	0.5	345	345	0.17	М
Trail Maintenance Granite	MILE	0	4	12	0	0.00	М
Trimming Wildlife Viewing	EACH	2	3	6	36	0.02	М
Bench Maintenance							
Landscape Maintenance (Contract)	SF	7500					
Irrigation	EACH	1	1	12	12	0.01	
Sign Maintenance	EACH	0	0.25	12	0	0.00	М
Trash Containers	EACH	0	0.05	52	0	0.00	М
Litter Control	ACRE	1	2	300	600	0.29	М
Direct Personnel Hours					1017	0.49	
Indirect Personnel Costs and Hours ¹					203.4	0.10	
Paid Time Off ²					140.85	0.07	
				TOTAL	1361.25	0.65	

TABLE 05 | M.O.R.E PLAN - BEACH AREA

LOCATION TASKS	UNIT	TOTAL UNITS	HOURS/ UNIT	FREQ. PER YEAR	TOTAL NUMBERS OF HOURS	NUMBER OF STAFF	PERSON TYPE
Walkways Concrete	SF	1.3	0.75	40	39	0.02	М
Walkways Decorative Decked	SF	0.09	0.5	40			
Trail Maintenance	MILE	0	4	12	0	0.00	M
Play Maintenance	EACH	1	1	325	325	0.16	M
Playscape inspection (High)	EACH	1	1	52	52	0.03	М
Playscape Inspection (Low)	EACH	1	4	12	48	0.02	М
Splash Pad	EACH	1	0.5	150	75	0.04	М
Pavilion (Large)	EACH	1	1.5	244	366	0.18	М
Pavilion (Small)	EACH	4	0.5	244	488	0.23	М
Landscape Maintenance (Contract)	SF	20000					
Irrigation	EACH	1	1	30	30	0.01	
Beach Sand	ACRE	3	2	150	900	0.43	
Parking	SPACES	183	0.16	12	35.136	0.02	М
Restroom Cleaning	STALLS	10	0.17	350	595	0.29	M
Restroom Cleaning (Low)	STALLS	10	0.07	100	70	0.03	M
Trimming Edging (Contract)	1000 LF	10.6					С
Trail Maintenance (Concrete)	MILE	0.09	0.5	36	0.02	0.00	М
Tree Trimming	ACRE	2	8	2		0.00	M
Bench Maintenance	EACH	0	0.5	2	0	0.00	М
Sign Maintenance	EACH	12	0.1	12	14.4	0.01	М
Trash Containers	EACH	0	0.05	52	0	0.00	М
Litter Control	ACRE	5	0.67	350	1172.5	0.56	М
Direct Personnel Hours					4210.053	2.02	
Indirect Personnel Costs and Hours ¹					842.0107	0.40	
Paid Time Off ²					583.09	0.28	

TABLE 06 | M.O.R.E PLAN - TRAILHEAD

TRAILHEAD AREA							
LOCATION TASKS	UNIT	TOTAL UNITS	HOURS/ UNIT	FREQ. PER YEAR	TOTAL NUMBERS OF HOURS	NUMBER OF STAFF	PERSONNEL TYPE
Trail Maintenance Concrete	MILE	0.09	0.5	36	1.62	0.00	М
Trail Maintenance Granite	MILE	0	4	12	0	0.00	М
Landscape Maintenance (Contract)	SF	300					
Irrigation	EACH						
Parking	SPACES	40	0.16	12	7.68	0.02	М
Restroom Cleaning	STALLS	2	0.17	350	129.2	0.29	М
Direct Personnel Hours					25.84	2.02	
Indirect Personnel Costs and Hours ¹					25.84	0.40	
Paid Time Off ²					17.89	0.28	
				TOTAL	5635.16	2.71	

Executive Summary

Based upon the master plan analysis and current budget presented within this document, it is the recommendation of the consultant team to proceed with phase one development as described below.

It is highly recommended that the priority for the first phase of park development be the addition of a small trailhead along Silent Harbor Loop. A second trailhead will provide access for users to the park trail, without having to compete with traffic at the beach location. This item should be fully completed per the master plan design.

Second, the consultant team recommends an expansion of the existing beach facilities. While the budget will not accommodate the construction of all proposed items, priorities should be given to adding a second restroom, incorporating more shade structures, added a splash pad, and expending the existing parking lot.

Finally, it is the recommendation of the consultant team that when funds are available, the parking facility and subsurface infrastructure for the Biehle property be installed as a first phase. By including these improvements within the first phase of construction, it will allow for the city to be better prepared for the future improvements and provide another trailhead for the western portion of the lake.

Both the Silent Harbour Loop trailhead and improvements to the Biehle House Property are important to providing additional lake access on the western portion of the park.

MAP 06 | LAKE PFLUGERVILLE - BIEHLE HOUSE PROPERTY



BIEHLE HOUSE PROPERTY

When city officials formalized the original land purchase of the lake property, the Biehle House property located immediately adjacent to the west side of Becker Farm road was included in the purchase. During the development of this report, the city asked the consultant team to develop a master plan for the Biehle property shown here.

The Biehle House property provides a wide array of opportunities for both passive and active recreation and programming. Working closely with parks and recreation staff, the consultant team has developed a plan for the property which seeks to not only connect this site to the lake park but provide additional program items not accounted for in the lake park master plan.

The design of the property includes a large community garden on the western edge complete with a greenhouse and solar panels. On the eastern portion of the site is a new facility which houses rentable spaces for events and offices for park staff. Nestled between the two uses is a lawn area for farmer's market type events and small festivals. A large parking facility provides access for all users to utilize the new park opportunities and to access the trail network.

While the Biehle House property was not part of the original master planning process, it is the consultant's recommendation that the city try to construct utility needs and a small parking lot during the first phase. These small improvements will provide yet another trail head and better situate the property for future development park amenities.

TABLE 07 | BIEHLE HOUSE PROPERTY - OPINION OF PROBABLE COST

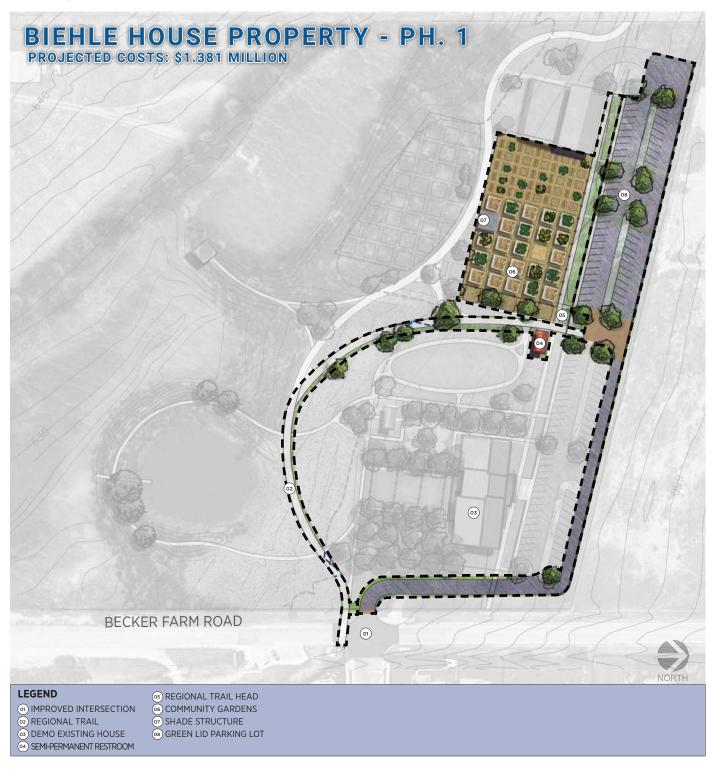
Biehle House Property	
Proposed Buildings	\$2,510,000
Hardscape Site Structures	\$1,010,000
Landscape Elements	\$275,000
Parking Lot (est. 115 spaces) Infrastructure Improvements	\$710,000
Miscellaneous Improvements	\$675,750
TOTAL	\$5,180,750

^{*} Costs shown are in 2019 dollars and are not an order of magnitude, pre-design level. Construction contingency and soft costs are not shown here. Refer to full cost estimate at end of document for all additional design and contingency costs. All costs are prior to specific site assessments and any design will require more detailed evaluations to determine specific costs for each specific segment.



FIGURE 03 | LAKE PFLUGERVILLE - EVENT LAWN AREA

MAP 07 | LAKE PFLUGERVILLE - BIEHLE HOUSE PROPERTY



BIEHLE HOUSE PROPERTY - PH. 1

Due to current demand within the city to add more community garden space, it is recommended that a phase 1 option be considered at the Biehle property to construct the garden plots. Highlighted on the graphic shown here, the phase 1 improvements would add garden plots, small parking facility, semi-permanent restrooms, and a pedestrian connection across Becker Farm Rd. to the lake. It is also recommended in this

phase 1 construction to demo the existing structures on the property and install all utility infrastructure needs for future phases of development.

In total, this phase 1 suggestion will provided additional community garden plots which are in need as-well-as provide another western trail head for Pflugerville Lake Park.

TABLE 08 | BIEHLE HOUSE PROPERTY PH. 1 - OPINION OF PROBABLE COST

Biehle House Property	
Remove Existing Buildings	\$50,000
Hardscape Site Structures	\$477,000
Landscape Elements	\$162,500
Parking Lot (est. 80 spaces) Infrastructure Improvements	\$625,000
Miscellaneous Improvements	\$65,7250
тот	TAL \$1,380,225

^{*} Costs shown are in 2019 dollars and are not an order of magnitude, pre-design level. Construction contingency and soft costs are not shown here. Refer to full cost estimate at end of document for all additional design and contingency costs. All costs are prior to specific site assessments and any design will require more detailed evaluations to determine specific costs for each specific segment.

FIGURE 04 | LAKE PFLUGERVILLE - COMMUNITY GARDEN AREA



Appendices

DETAILED COST ESTIMATE | MASTER PLAN

HALFF

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A.3.03 Parking to tender and we lines for water foundins, splash part, rever versionomy L.5 \$35,000.00 1 \$72,000.	frastructure					
A.5.03 Parking tot landscaping (frees and vegetation in parking area. 10% of parking total Sub-Total Enteratureur						
Sub-Total Site Infrastructure \$ 79,500.					1	
	A-3.03	Parking lot landscaping (trees and vegetation in parking area, 10% of parking total)	LS		1	
A-4.02 New Restroction Estating (open-air, custom design, 4 mens, 4 womens) Allowance IS \$400,000 1 \$ 0,000	Postroom Easi	ilitios		Sub-Total Site In	frastructure	\$ 797,500.00
A-0.00 New Restroom Facility (open-air, custom design, 4 mens, 4 womens) Allowance Sub-Total Signage in Intrastructure Sub-Total Signage in Intrastructure Sub-Total Signage in Intrastructure Sub-Total Signage in Intrastructure Sub-Total Site Furnishings 8 in 7,800 1 5 in 8,800 1 5 in 8,8			nce IS	\$50,000,00	- 1	\$ 50,000,0
Sub-Total Signage & Infrastructure \$ 480,000.						*
As 501 Sile Furnishings Allowance (5% of esplanade area) Sub-Total Stee Furnishings \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00 1 \$67,800.00			Su		frastructure	
Sub-Total Site Furnishings \$ 87,800.	urnishings					
Act Column Colu	A-5.01	Site Furnishings Allowance (5% of esplanade area)	LS			
Lighting, Fixtures, and Writing Allowance (10% of esplanade costs) Lighting, Fixtures, and Writing Allowance (10% of esplanade costs) Sub-Total Structures				Sub-Total Site	Furnishings	\$ 87,800.00
Sub-Total Site Lighting & Electrical \$ 175,500.	<u> </u>			A 175 500 00		475 500 0
Sub-Total Beach Area Construction Sub-Total Structures	A-6.01	Lighting, Fixtures, and Wiring Allowance (10% of esplanade costs)			2 Fleetrical	
A7.01 General conditions, Mobilization, Site prep. (5% of project cost) LS \$30.1820.00 1 \$ 201.820.1	lisc improver	ments and contingencies	Su	b-Total Site Lighting	& Electrical	\$ 175,500.00
Sub-Total Beach Area Construction \$ 4,238,216.1			LS	\$201.820.00	1	\$ 201.820.00
National Company Com				420,020,02		,*
Structures		Su	ib-Total Bea	ch Area Construction		\$ 4,238,216.00
Structures						
B-1.01 Standard Concrete Walkways						
B-103			0.5	#0.F0	7.400	0 40.450.00
Each Park Entry Sign EA \$10,000.00 1 \$ 10,000.00		-				
Sub-Total Hardscape Elements					3,400	
ndiscape Elements (plaza only) 8-2.01 Proposed Landscape allowance (parking lot landscaping. 5% of improvements)	D 1.01	, ,			pe Elements	
B-2-02 Irigation (sub-surface and drip) allowance (5% of parking improvements costs) LS \$18,000.00 1 \$ 18,000.01	andscape Ele	ements (plaza only)				
Curb and Gutter	B-2.01	Proposed Landscape allowance (parking lot landscaping, 5% of improvements)	LS	\$18,000.00	1	\$ 18,000.00
Curb and Gutter	B-2.02	Irrigation (sub-surface and drip) allowance (5% of parking improvements costs)	LS			
Curb and Gutler				Sub-Total Landsca	pe Elements	\$ 36,000.00
B-3.02 Utilities (water and ww lines for water fountains, new restroom) LS	ntrastructure	Curb and Guttor		\$20.726.00		
Sub-Total Site Infrastructure \$30,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 1 \$200,000.00 \$200,000.00 1 \$200,000.00 \$20	B-3.02		18		1	\$ 75,000,00
Baton Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance LS \$200,000.00 1 \$ 200,000.00	D-0.02		LO			
Sub-Total Signage & Infrastructure \$ 200,000.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.1 \$ 12,000.00.00.00.00.00.00.00.00.00.00.00.00	Restroom Faci	ilties				
B-5.01 Site Furnishings Allowance (2% of parking, building, and trail area) LS \$12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 12,400.00 1 \$ 35,000.00 \$ 30,000.00 \$ 30	B-4.01	Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance	LS	\$200,000.00	1	\$ 200,000.00
B-5.01 Site Furnishings Allowance (2% of parking, building, and trail area) LS \$12,400.00 1 \$ 12,400.00			Su	b-Total Signage & Ir	frastructure	\$ 200,000.00
Sub-Total Site Furnishings \$ 12,400.1	urnishings	Toy 5 111 All 2007 C 11 I I II I	1			
phing and Electrical B-6.01 Lighting, Fixtures, and Wiring allowance (10% of parking costs) Sub-Total Site Lighting & Electrical \$ 35,000. Sub-Total Estimated Trailinead Area Cost \$ 738,350. DARDWALK TRAIL AREA ardscape and Site Structures C-1.01 Standard Concrete Walkways \$ \$F \$ \$6.00 160 \$ 960. C-1.02 Boardwalk Decking LF \$1,115.00 1,755 \$ 1,956,825. C-1.03 Shade Structures (covered wildlife viewing platforms) EA \$60,000.00 2 \$ 120,000. C-1.04 Decomposed Granite Trails \$F \$ \$4.00 4,180 \$ 16,720. C-2.01 Proposed Landscape Elements (plaza only) C-2.01 Proposed Landscape allowance LS \$50,000.00 1 \$ 50,000. Sub-Total Estimated Boardwalk Area Cost \$ 2,144,505. AKE PELUGERVILLE TRAIL IMPROVEMENTS ardscape and Site Structures Construction Contingency (10% of total improvements) \$ 95,500. Construction Contingency (10% of total improvements) \$ 763,200.	B-5.01	Site Furnishings Allowance (2% of parking, building, and trail area)	LS			
B-6.01 Lighting, Fixtures, and Wiring allowance (10% of parking costs) LS \$35,000.00 1 \$ \$35,000.00	ighting and E	loctrical		Sub-Total Site	Furnishings	\$ 12,400.00
Sub-Total Site Lighting & Electrical \$ 35,000.1			LS	\$35,000,00	1	\$ 35,000,0
Sub-Total Estimated Trailinead Area Cost \$ 35,200.00 1 \$ 35,200.00			Su	,		
Sub-Total Estimated Trailhead Area Cost \$ 738,350.1	lisc. improver	ments and contingencies				
DARDWALK TRAIL AREA Airdscape and Site Structures SF \$6.00 160 \$ 960.0 C-1.01 Standard Concrete Walkways SF \$6.00 17.55 \$ 1,956,825.0 C-1.02 Boardwalk Decking LF \$1,115.00 1,755 \$ 1,956,825.0 C-1.03 Shade Structures (covered wildlife viewing platforms) EA \$60,000.00 2 \$ 12,000.0 C-1.04 Decomposed Granite Trails SF \$4.00 4,180 \$ 16,720.0 Sub-Total Hardscape Elements \$ 2,094,505.0 C-2.01 Proposed Landscape allowance LS \$50,000.00 1 \$ 50,000.0 Sub-Total Landscape Elements \$ 50,000.0 Sub-Total Landscape Elements \$ \$ \$ \$ Sub-Total Estimated Boardwalk Area Cost \$ \$ 2,144,505.0 Sub-Total Estimated Boardwalk Area Cost \$ \$ \$ \$ \$ \$ Constructures S Sub-Total Estimated Boardwalk Area Cost \$ \$ \$ \$ \$ \$ \$ \$ \$	B-7.01	General conditions, Mobilization, Site prep. (5% of project cost)	LS	\$35,200.00	1	\$ 35,200.00
DARDWALK TRAIL AREA Airdscape and Site Structures SF \$6.00 160 \$ 960.0 C-1.01 Standard Concrete Walkways SF \$6.00 17.55 \$ 1,956,825.0 C-1.02 Boardwalk Decking LF \$1,115.00 1,755 \$ 1,956,825.0 C-1.03 Shade Structures (covered wildlife viewing platforms) EA \$60,000.00 2 \$ 12,000.0 C-1.04 Decomposed Granite Trails SF \$4.00 4,180 \$ 16,720.0 Sub-Total Hardscape Elements \$ 2,094,505.0 C-2.01 Proposed Landscape allowance LS \$50,000.00 1 \$ 50,000.0 Sub-Total Landscape Elements \$ 50,000.0 Sub-Total Landscape Elements \$ \$ \$ \$ Sub-Total Estimated Boardwalk Area Cost \$ \$ 2,144,505.0 Sub-Total Estimated Boardwalk Area Cost \$ \$ \$ \$ \$ \$ Constructures S Sub-Total Estimated Boardwalk Area Cost \$ \$ \$ \$ \$ \$ \$ \$ \$						
Accepted and Site Structures		Sub-Tot	al Estimated	Trailhead Area Cost		\$ 738,350.0
Accepted and Site Structures	CARRWAL	V TRAIL AREA				
C-1.01 Standard Concrete Walkways						
C-1.02 Boardwalk Decking			SF	\$6.00	160	\$ 960.00
C-1.03 Shade Structures (covered wildlife viewing platforms) EA \$60,000.00 2 \$ 120,000.00						
C-1.04 Decomposed Granite Trails SF \$4.00 4.180 \$16,720.0 Sub-Total Hardscape Elements \$2,094,505.1 Decomposed Landscape allowance LS \$50,000.00 1 \$50,000.00 Sub-Total Landscape Elements \$50,000.0 Sub-Total Estimated Boardwalk Area Cost \$2,144,505.4 AKE PFLUGERVILLE TRAIL IMPROVEMENTS AVEC PROVIDED TO TAIL LANDSCAPE L						
Construction Code Construction Code Construction Code Construction Code						
C-2.01 Proposed Landscape allowance				Sub-Total Hardsca	pe Elements	\$ 2,094,505.00
Sub-Total Landscape Elements \$ 50,000.0 Sub-Total Estimated Boardwalk Area Cost \$ 2,144,505.0 AKE PFLUGERVILLE TRAIL IMPROVEMENTS redscape and Site Structures D-1.01 Exising Decomposed Granite Trail Resurfacing (Replacing surface material only) SF \$3.00 140,750 \$ 422,250.0 D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$ 88,900.1 Construction Contingency (10% of total improvements) \$ 763,200.1 Construction Contingency (10% of total improvements) \$ 915,900.1			1 .			
Sub-Total Estimated Boardwalk Area Cost \$ 2,144,505.1 AKE PFLUGERVILLE TRAIL IMPROVEMENTS ardscape and Site Structures D-1.01 Estimated Boardwalk Area Cost \$ 422,250.1 D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$ 3.00 140,750 \$ 422,250.1 Sub-Total Estimated Boardwalk Area Cost \$ 511,150.1 Construction Contingency (10% of total improvements) \$ 763,200.1 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.1	C-2.01	Proposed Landscape allowance	LS			
AKE PFLUGERVILLE TRAIL IMPROVEMENTS rdscape and Site Structures D-1.01 Exising Decomposed Granite Trail Resurfacing (Replacing surface material only) SF \$3.00 140,750 \$422,250.0 D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$88,900. Sub-Total Estimated Boardwalk Area Cost \$511,150.0 Construction Contingency (10% of total improvements) \$763,200.0 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$915,900.0				Sub-Total Landsca	pe Elements	\$ 50,000.00
AKE PFLUGERVILLE TRAIL IMPROVEMENTS rdscape and Site Structures D-1.01 Exising Decomposed Granite Trail Resurfacing (Replacing surface material only) SF \$3.00 140,750 \$422,250.0 D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$88,900. Sub-Total Estimated Boardwalk Area Cost \$511,150.0 Construction Contingency (10% of total improvements) \$763,200.0 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$915,900.0		- Cub Toto	Estimated	Boardwalk Area Cost		\$ 2144 505 0
ardscape and Site Structures D-1.01 Exising Decomposed Granite Trail Resurfacing (Replacing surface material only) SF \$3.00 140,750 \$422,250. D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$88,900. Sub-Total Estimated Boardwalk Area Cost \$511,150. Construction Contingency (10% of total improvements) \$763,200. Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$915,900.		Sub-10ta	. Louislated I	Journal Alea COSt		2, 199,005.00
D-1.01 Exising Decomposed Granite Trail Resurfacing (Replacing surface material only) SF \$3.00 140.750 \$ 422.250.0 D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$ 88.900.0 Sub-Total Estimated Boardwalk Area Cost \$ 511,150.0 Construction Contingency (10% of total improvements) \$ 763,200.0 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.0	AKE PFLU	GERVILLE TRAIL IMPROVEMENTS				
D-1.02 Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section SF \$7.00 12,700 \$88,900.0 Sub-Total Estimated Boardwalk Area Cost \$511,150.1 Construction Contingency (10% of total improvements) \$763,200.0 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$915,900.1	lardscape and					
Sub-Total Estimated Boardwalk Area Cost \$ 511,150.0 Construction Contingency (10% of total improvements) \$ 763,200.0 Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.0		Exising Decomposed Granite Trail Resurfacing (Replacing surface material only)				
Construction Contingency (10% of total improvements) \$ 763,200. Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.	D-1.01				12.700	φ δδ,900.00
Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.0	D-1.01		SF	\$7.00	,	
Soft Cost Estimate (CD's, bidding, CA, geotech, design survey) (12% of total improvements) \$ 915,900.0	D-1.01	Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section				\$ 511,150.00
	D-1.01	Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section Sub-Tota	I Estimated I	Boardwalk Area Cost	,	, , , , , , , , , , , , , , , , , , , ,
	D-1.01	Concrete Pour to Replace Existing Decomposed Granite Trail Bridge Section Sub-Tota Construction Contings	I Estimated I	Boardwalk Area Cost total improvements)	.=,,,,,	\$ 763,200.00

DETAILED COST ESTIMATE | BIEHLE HOUSE



Biehle Pro	perty Full Buildout - OPCC				June 201
Item Numbe	r Description	Units	Unit Price	Quantity	Total Price
Proposed Bui	ldings				
1.01	New park admin building and community room (allowance)	LS	\$2,000,000.00	0 1 \$	2,000,000.00
1.02	Stand alone park restroom building (allowance)	LS	\$310,000.00	0 1 \$	310,000.0
1.03	Maintenance building and Cistern (allowance)	LS	\$100,000.00	0 1 \$	100,000.0
1.04	Greenhouse (allowance)	LS	\$100,000.00	0 1 \$	100,000.0
			Sub-Total Site	e Furnishings \$	2,510,000.0
Hardscape ar	nd Site Structures				
2.01	Sidewalk Decking (30,000sf)	LS	\$250,000.00	0 1 \$	250,000.00
2.02	Regional Trail (12,000sf)	LS	\$120,000.00	0 1 \$	120,000.00
2.03	Community Gardens (praised planting beds, fencing, gravel base, 13500sf)	LS	\$300,000.00	0 1 \$	300,000.00
2.04	Playground (equipment and surfacing)	LS	\$250,000.00	0 1 \$	250,000.00
2.05	Shade structure/picnic pavilion (custom design pavilions)	LS	\$80,000.00	0 1 \$	80,000.0
2.08	Park Entry Sign	EA	\$10,000.00	0 1 \$	10,000.00
			Sub-Total Hardsc	ape Elements \$	1,010,000.00
Landscape El	ements (plaza only)				
3.01	Proposed trees (4" min.) allowance	LS	\$35,000.00	0 1 \$	35,000.00
3.02	bio-swales (heavily landscaped) allowance	LS	\$150,000.00	0 1 \$	150,000.00
3.03	lawn panel (sod) allowance	LS	\$10,000.00	0 1 \$	10,000.00
3.04	Irrigation (sub-surface and drip) allowance	LS	\$80,000.00	0 1 \$	80,000.00
			Sub-Total Landsc	ape Elements \$	275,000.00
Parking lot an	d Infrastructure improvements				
4.01	Parking lot and utilities (5,825 SY of parking, 115 spots added)	LS	\$710,000.00	0 1 \$	710,000.00
			Sub-Total Site	e Furnishings \$	710,000.00
Misc. improve	ements and contingencies				
5.01	Site furnishings lighting (10% of project cost)	LS	\$ 450,500.00	1 \$	450,500.00
5.02	General site grading and earthwork (5% of project cost)	LS	\$ 225,250.00	1 \$	225,250.00
			Sub-Total Site	e Furnishings \$	675,750.00
	Su	b-Total Estima	ted Construction Cos	st \$	5,180,750.0
		Construction	on Contingency (10%) \$	518,075.00
		Soft Co	st Contingency (12%	5) \$	683,859.00
		Total Estimate	d Construction Cos	t	\$6,382,684.0

Assumptions/Disclaimers

- 1) All Opinion of Probable Construction Costs (OPCC) represent the Consultant and their Sub-Consultant(s) best judgment as professionals familiar with the construction industry and current available unit pricing. Consultant/Sub-Consultant(s) do not guarantee that proposals, bids or actual Project Construction Costs will not vary from this opinion. Quantities are estimates only and the actual amount of work and/or materials are contingent upon final existing conditions, survey, and construction design of these improvements.
- 2) Unit pricing is based on average cost statewide and does not account for any site specific determinates that would effect costs of construction (i.e., unknown subsurface conditions, structural foundations/footing per local soil conditions, etc.).
- 3) Regulatory Review, Permitting and Fees are not included in this OPCC.
- 4) Horizontal utility adjustments/relocations/extensions/services for storm sewer, domestic water, sanitary sewer, gas, electric and communication utility lines to the site are not included in this OPCC.
- 5) Projection of future construction costs should include a 10% annual increase at a minimum.

Appendices (continued)

DETAILED COST ESTIMATE | MASTER PLAN

HALFF

Lake Pflug	erville Phase 1 - OPCC					JUNE 2019
Item Number	Description	Units	Unit Price	Quantity		Total Price
BEACH ARE	EA (parking lot and esplanade)					
) - HARDSCAPE AND SITE STRUCTURES					
A-1.01	Standard Concrete Walkways	SF	\$6.50	51,080	\$	332,020.00
A-1.02	Decorative Paving Walkways	SF	\$10.00	4,550	\$	45,500.00
A-1.03	Decked Walkways	SF	\$22.00	6,800	\$	149,600.00
A-1.04	Decomposed Granite Trails (trail behind esplanade and connection to neighborhood)	SF	\$4.00	14,700	\$	58,800.00
A-1.07	Splash Pad Equipment allowance	LS	\$350,000.00	1	\$	350,000.00
A-1.08	Splash Pad Surfacing (concrete pad with not slip coating)	SF	\$10.00	5,700	\$	57,000.00
A-1.09	Shade Pavilions (single picnic)	EA	\$75,000.00	4	\$	300,000.00
A-1.10 A-1.11	Shade Pavilions (large group pavilion) Park Entry Sign	EA	\$200,000.00	1	\$	200,000.00
A-1.11	Tark Entry Oigh	EA	\$10,000.00 Sub-Total Hardscap		\$	1,502,920.00
Landscape El	ements (plaza only)		Sub-Total Harusca	Je Elements		1,502,920.00
A-2.01	Proposed Landscape allowance (10% esplanade area)	LS	\$150,292.00	1	\$	150,292.00
A-2.02	Irrigation (sub-surface and drip) allowance (5% of esplanade area)	LS	\$152,500.00	1	\$	152,500.00
	J (17 (-17)		Sub-Total Landscap			302,792.00
Infrastructure					<u> </u>	
A-3.01	Parking lot (102 spots added [190], resurface existing and added parking lot, striping, 0	C& LS	\$690,000.00	1	\$	690,000.00
A-3.02	Utilities (water and ww lines for water fountains, splash pad, new restroom)	LS	\$35,000.00	1	\$	35,000.00
A-3.03	Parking lot landscaping (trees and vegetation in parking area, 10% of parking total)	LS	\$72,500.00	1	\$	72,500.00
			Sub-Total Site In	frastructure	\$	797,500.00
Restroom Fac	cilities					
A-4.01	Refurbish Existing Restroom Building (new fixtures, furnishings, lighting, paint) Allowar	ice LS	\$50,000.00	1	\$	50,000.00
A-4.02	New Restroom Facility (open-air, custom design, 4 mens, 4 womens) Allowance	LS	\$400,000.00	1	\$	400,000.00
		Sul	o-Total Signage & In	frastructure	\$	450,000.00
Furnishings						
A-5.01	Site Furnishings Allowance (5% of esplanade area)	LS	\$75,100.00	1	\$	75,100.00
limbio o cod E	-1		Sub-Total Site	Furnishings	\$	75,100.00
Lighting and E A-6.01	Lighting, Fixtures, and Wiring Allowance (10% of esplanade costs)	1.0	£4E0 200 00	1	•	150 200 00
A-6.01	Lighting, Fixtures, and Willing Allowance (10% of esplanade costs)	LS	\$150,300.00		\$	150,300.00 150,300.00
Misc improve	ments and contingencies	Jul	-Total Site Lighting	& Electrical	ð	150,500.00
wiiso. improve	inches and contingencies					
A-7.01	General conditions, Mobilization, Site prep. (5% of project cost)	LS	\$163.930.00	1	\$	163.930.00
A-7.01	General conditions, Mobilization, Site prep. (5% of project cost) \$ 3,293,500.0	LS 00	\$163,930.00	1	\$	163,930.00
A-7.01	\$ 3,293,500.0	00	\$163,930.00 ch Area Construction	1	\$	·
A-7.01	\$ 3,293,500.0	00		1	\$	·
	\$ 3,293,500.0	00		1	\$	·
TRAILHEAD	\$ 3,293,500.0 Sub- ((western parking lot and trail to esplanade) Id Site Structures	00		1	\$	·
TRAILHEAD Hardscape an B-1.01	\$ 3,293,500.0 Sub- 0 (western parking lot and trail to esplanade) id Site Structures Standard Concrete Walkways	Total Bead	ch Area Construction \$6.50	7,100	\$	3,442,542.00 46,150.00
TRAILHEAD Hardscape an B-1.01 B-1.03	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails	Total Bear	ch Area Construction \$6.50 \$4.00		\$	3,442,542.00 46,150.00 13,600.00
TRAILHEAD Hardscape an B-1.01	\$ 3,293,500.0 Sub- 0 (western parking lot and trail to esplanade) id Site Structures Standard Concrete Walkways	Total Bead	\$6.50 \$4.00 \$10,000.00	7,100 3,400 1	\$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign	Total Bear	ch Area Construction \$6.50 \$4.00	7,100 3,400 1	\$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00
TRAILHEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El	\$ 3,293,500.0 Sub- D (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only)	SF SF EA	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardscap	7,100 3,400 1 pe Elements	\$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01	\$ 3,293,500.0 Sub- D (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements)	SF SF EA	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardscap	7,100 3,400 1 pe Elements	\$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00
TRAILHEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El	\$ 3,293,500.0 Sub- D (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only)	SF SF EA	\$6.50 \$4.00 \$10,000.00 \$UD-Total Hardscar \$18,000.00 \$18,000.00	7,100 3,400 1 pe Elements	\$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 18,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02	\$ 3,293,500.0 Sub- D (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements)	SF SF EA	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardscap	7,100 3,400 1 pe Elements	\$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs)	SF SF EA	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardscap \$18,000.00 \$18,000.00 Sub-Total Landscap	7,100 3,400 1 pe Elements 1 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00
TRAIL HEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G	SF SF EA LS LS	\$6.50 \$4.00 \$10,000.00 \$ub-Total Hardscap \$18,000.00 \$ub-Total Landscap \$275,000.00	7,100 3,400 1 pe Elements	\$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs)	SF SF EA	\$6.50 \$4.00 \$10,000.00 \$ub-Total Hardscap \$18,000.00 \$ub-Total Landscap \$275,000.00 \$75,000.00	7,100 3,400 1 pe Elements 1 1 1 ce Elements	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00
TRAIL HEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom)	SF SF EA LS LS	\$6.50 \$4.00 \$10,000.00 \$ub-Total Hardscap \$18,000.00 \$ub-Total Landscap \$275,000.00	7,100 3,400 1 pe Elements 1 1 1 ce Elements	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom)	SF SF EA LS LS	\$6.50 \$4.00 \$10,000.00 \$ub-Total Hardscap \$18,000.00 \$ub-Total Landscap \$275,000.00 \$75,000.00	7,100 3,400 1 pe Elements 1 1 1 ce Elements	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom)	SF SF EA LS LS LS	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardsoan \$18,000.00 \$18,000.00 Sub-Total Londsoan \$275,000.00 Sub-Total Site In	7,100 3,400 1 pe Elements 1 1 1 pe Elements 1 1 frastructure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00 350,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom)	SF SF EA LS LS LS	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardson, \$18,000.00 \$18,000.00 \$ub-Total Site In \$200,000.00	7,100 3,400 1 pe Elements 1 1 1 pe Elements 1 1 frastructure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00 350,000.00
TRAILHEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom)	SF SF EA LS LS LS	\$6.50 \$4.00 \$10,000.00 Sub-Total Hardson, \$18,000.00 \$18,000.00 \$ub-Total Site In \$200,000.00	7,100 3,400 1 pe Elements 1 1 pe Elements 1 frastructure 1 frastructure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 36,000.00 275,000.00 350,000.00 200,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittes Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area)	SF SF EA LS LS LS Sul	\$6.50 \$6.50 \$10,000.00 \$10,000.00 \$Ub-Total Hardsca; \$18,000.00 \$15,000.00 \$75,000.00 \$0b-Total Signage & In	7,100 3,400 1 pe Elements 1 1 pe Elements 1 1 frastructure 1 frastructure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 275,000.00 75,000.00 200,000.00 200,000.00
TRAILHEAD Hardscape ar B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E	\$ 3,293,500.0 Sub- Owestern parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittes Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area)	SF SF EA LS LS LS Sul	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$18,000.00 \$18,000.00 \$75,000.00 \$75,000.00 \$04,000.00 \$18,000.00	7,100 3,400 100 Elements 1 1 100 Elements 1 1 1 frastructure 1 1 1 frastructure 1 1 1 frastructure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 275,000.00 75,000.00 200,000.00 200,000.00 12,400.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittes Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area)	SF SF EA LS LS LS LS LS LS LS L	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$Ub-Total Hardsca; \$75,000.00 \$75,000.00 \$ub-Total Site In \$12,400.00 \$ub-Total Site \$35,000.00	7,100 3,400 1 1 pe Elements 1 1 pe Elements 1 1 frastructure 1 frastructure 1 Furnishings	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 36,000.00 275,000.00 350,000.00 200,000.00 12,400.00 35,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01	\$ 3,293,500.0 Sub- O (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Congrete Walkways Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sities Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs)	SF SF EA LS LS LS LS LS LS LS L	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$18,000.00 \$18,000.00 \$75,000.00 \$75,000.00 \$200,000.00 \$-Total Signage & In \$12,400.00 Sub-Total Site	7,100 3,400 1 1 pe Elements 1 1 pe Elements 1 1 frastructure 1 frastructure 1 Furnishings	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 36,000.00 275,000.00 350,000.00 200,000.00 12,400.00 35,000.00
TRAIL HEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01 Misc. improve	\$ 3,293,500.0 Sub- Dowestern parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittes Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs)	SF SF EA LS LS LS LS LS Sut	\$6.50 \$4.00.00 \$10,000.00 \$ub-Total Site Lighting \$120,000.00 \$ub-Total Site Lighting	7,100 3,400 1 to pe Elements 1 1 1 frastructure 1 frastructure 1 selectrical	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 275,000.00 275,000.00 200,000.00 200,000.00 12,400.00 12,400.00 35,000.00 35,000.00
TRAILHEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01	\$ 3,293,500.0 Sub- Owestern parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittes Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs) ments and contingencies General conditions, Mobilization, Site prep. (5% of project cost)	SF SF EA LS LS Sut LS Sut LS LS LS LS Sut LS LS LS LS LS LS LS L	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$Ub-Total Hardsca; \$75,000.00 \$75,000.00 \$ub-Total Site In \$12,400.00 \$ub-Total Site \$35,000.00	7,100 3,400 1 to pe Elements 1 1 1 frastructure 1 frastructure 1 selectrical	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 18,000.00 18,000.00 275,000.00 275,000.00 200,000.00 212,400.00 12,400.00 12,400.00 35,000.00
TRAIL HEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01 Misc. improve	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittles Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs) Imments and contingencies General conditions, Mobilization, Site prep. (5% of project cost) \$ 738,350.0	SF SF EA LS LS LS Substitute Substitute LS Substitute LS Substitute Subst	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$Ub-Total Hardsca; \$75,000.00 \$75,000.00 \$ub-Total Site In \$12,400.00 \$ub-Total Site In \$12,400.00 \$ub-Total Site In \$12,400.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00	7,100 3,400 1 to pe Elements 1 1 1 frastructure 1 frastructure 1 selectrical	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00 350,000.00 200,000.00 12,400.00 35,000.00 35,000.00 35,000.00
TRAIL HEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01 Misc. improve	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittles Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs) Imments and contingencies General conditions, Mobilization, Site prep. (5% of project cost) \$ 738,350.0	SF SF EA LS LS LS Substitute Substitute LS Substitute LS Substitute Subst	\$6.50 \$4.00.00 \$10,000.00 \$ub-Total Site Lighting \$120,000.00 \$ub-Total Site Lighting	7,100 3,400 1 to pe Elements 1 1 1 frastructure 1 frastructure 1 selectrical	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 13,600.00 69,750.00 18,000.00 36,000.00 275,000.00 350,000.00 200,000.00 12,400.00 35,000.00
TRAIL HEAD Hardscape an B-1.01 B-1.03 B-1.04 Landscape El B-2.01 B-2.02 Infrastructure B-3.01 B-3.02 Restroom Fac B-4.01 Furnishings B-5.01 Lighting and E B-6.01 Misc. improve	\$ 3,293,500.0 Sub- (western parking lot and trail to esplanade) Id Site Structures Standard Concrete Walkways Decomposed Granite Trails Park Entry Sign ements (plaza only) Proposed Landscape allowance (parking lot landscaping, 5% of improvements) Irrigation (sub-surface and drip) allowance (5% of parking improvements costs) Parking lot (39 spots added, resurface existing lot and added parking lot, striping, C&G Utilities (water and ww lines for water fountains, new restroom) Sittles Restroom Structure (open-air, custom design, 1 men and 1 women) Allowance Site Furnishings Allowance (2% of parking, building, and trail area) Electrical Lighting, Fixtures, and Wiring allowance (10% of parking costs) Imments and contingencies General conditions, Mobilization, Site prep. (5% of project cost) \$ 738,350.0	SF SF EA LS LS LS LS LS LS LS L	\$6.50 \$4.00 \$10,000.00 \$10,000.00 \$Ub-Total Hardscap \$75,000.00	7,100 3,400 1 to pe Elements 1 1 1 frastructure 1 frastructure 1 through the followings and the followings are followed by the followings and the followings are followed by the followings and the followings are followed by the followed by the followings are followed by the foll	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,442,542.00 46,150.00 13,600.00 10,000.00 69,750.00 18,000.00 36,000.00 275,000.00 350,000.00 200,000.00 12,400.00 35,000.00 35,000.00 35,000.00

- Assumptions/Disclaimers

 1) All Opinion of Probable Construction Costs (OPCC) represent the Consultant and their Sub-Consultant(s) best judgment as professionals familiar with the construction 2) Unit pricing is based on average cost statewide and does not account for any site specific determinates that would effect costs of construction (i.e., unknown subsurface
- 3) Regulatory Review, Permitting and Fees are not included in this OPCC.
- 4) Horizontal utility adjustments/relocations/extensions/services for storm sewer, domestic water, sanitary sewer, gas, electric and communication utility lines to the site are not included in this OPCC.

Total Estimated Development Cost

DETAILED COST ESTIMATE | BIEHLE HOUSE



Biehle Pro	erty Phase 1 - OPCC				June 2019
Item Number	Description		Unit Price	Quantity	Total Price
Demo Existing	Building				
1.01	Remove existing buildings and garage slab (testing and abatment for asbestos and lead) allowance	: LS	\$50,000.00	1 \$	50,000.00
			Sub-Total Bu	ilding Demo \$	50,000.00
Hardscape an	I Site Structures				
2.01	Semi - Permanent Restroom (simple metal enclosure to contain port-a-cans)	LS	\$10,000.00	1 \$	10,000.00
2.02	Regional Trail connection (9,500sf)	LS	\$66,500.00	1 \$	66,500.00
2.03	Community Gardens (55 total plots with gravel walking surface)	LS	\$300,000.00	1 \$	300,000.00
2.04	Simple Shade Structure(prefab hip roof structure)	LS	\$30,000.00	1 \$	30,000.00
2.05	Price increase for Artistic Shade Structure (allowance)	LS	\$50,000.00	1 \$	50,000.00
2.06	Benches (Allowance)	EA	\$2,000.00	3 \$	6,000.00
2.07	Drinking fountain with bottle filler	EA	\$4,500.00	1 \$	4,500.00
2.08	Park Entry Sign	EA	\$10,000.00	1 \$	10,000.00
			Sub-Total Hardsca	pe Elements \$	477,000.00
Landscape Ele	ments (plaza only)				
3.01	Proposed trees (3" min.)	EA	\$500.00	20 \$	10,000.00
3.02	bio-swales (heavily landscaped) allowance	LS	\$100,000.00	1 \$	100,000.00
3.03	Irrigation (sub-surface and drip)	SF	\$1.50	35000 \$	52,500.00
			Sub-Total Landscape Elements \$		162,500.00
Parking lot and	Infrastructure improvements				
4.01	Parking lot and utilities (4,700 SY Parking, 83 spots added)	LS	\$625,000.00	1 \$	625,000.00
		Sub	-Total Parking and Ir	frastructure \$	625,000.00
Misc. improve	nents and contingencies				
5.01	General site grading and earthwork (5% of project cost)	LS	\$ 65,725.00	1 \$	65,725.00
			Sut	o-Total Misc. \$	65,725.00
		Sub-Total Estimated Construction Cost Construction Contingency (10%) Soft Cost Contingency (12%) \$		1,380,225.00	
				138,022.50	
				182,189.70	
		Total Estimate	d Construction Cost		\$1,700,437.20

Assumptions/Disclaimers

- 1) All Opinion of Probable Construction Costs (OPCC) represent the Consultant and their Sub-Consultant(s) best judgment as professionals familiar with the construction industry and current available unit pricing. Consultant/Sub-Consultant(s) do not guarantee that proposals, bids or actual Project Construction Costs will not vary from this opinion. Quantities are estimates only and the actual amount of work and/or materials are contingent upon final existing conditions, survey, and construction design of these improvements.
- 2) Unit pricing is based on average cost statewide and does not account for any site specific determinates that would effect costs of construction (i.e., unknown subsurface conditions, structural foundations/footing per local soil conditions, etc.).
- 3) Regulatory Review, Permitting and Fees are not included in this OPCC.
- 4) Horizontal utility adjustments/relocations/extensions/services for storm sewer, domestic water, sanitary sewer, gas, electric and communication utility lines to the site are not included in this OPCC.
- 5) Projection of future construction costs should include a 10% annual increase at a minimum.