

Hartford Parks Master Plan
Budget Estimate

Last updated: 7/2/2014
SA#: 36025.00
Prepared by: MFR

No.	Park Name	Park Type	Area (acres)	Budget Estimate	Cost/SF	Notes
1	Barnard Park		1.2AC	\$883,481	\$17	
2	Barry Square and Campfield Green*		0.1AC	\$87,428	\$20	*Provided as prototypical example of traffic islands and similar open spaces
3	Batterson Park		453.0AC	\$12,513,501	\$1	
4	Blue Hills Park		0.9AC	\$1,380,648	\$35	
5	Bond Street Parkette		0.4AC	\$397,167	\$23	
6	Brackett Park		5.7AC	\$2,176,936	\$9	(Area includes Rec Center)
	Burham Park		3.8AC	\$0	\$0	No spending by DPW/City of Harford recommended
7	Bushnell Park		33.6AC	ADDITIONAL DESIGN & STUDY NEEDED	TBD	Additional study is needed to refine the water feature and determine the phase 1 direction. The City has begun this process and when completed it should include cost estimates.
8	Charter Oak Monument		0.1AC	\$32,624	\$7	
9	Colt Park		106.6AC	\$24,850,562	\$5	
10	Columbus Park		8.9AC	\$4,674,162	\$12	
11	Cronin Park		10.2AC	\$1,496,746	\$3	
13	Delucco Park		1.3AC	\$319,024	\$6	
14	Elizabeth Park		100.2AC	\$7,188,745	\$2	
15	Forster Heights Park		3.0AC	\$1,251,912	\$10	
16	Goodwin Park		235.0AC	\$8,101,005	\$1	
17	Harriet Tubman park		0.1AC	\$575,675	\$132	
18	Hyland Park		18.9AC	\$3,163,042	\$4	
19	Keney Park		678.8AC	\$16,026,844	\$1	
20	Keney Tower		1.2AC	\$956,180	\$18	
21	Lozada Park		2.4AC	\$553,006	\$5	
22	North Branch Park River Park		n/a	\$1,750,568	n/a	Cronin and Roberta Jones cost estimates are included as separate estimates; North Branch Park River only includes costs associated with educational nature trail outside of current park boundaries
23	Pope Park		80.3AC	\$10,704,382	\$3	
24	Porter Park		0.6AC	\$283,756	\$11	
25	Pulaski Mall		1.7AC	\$501,561	\$7	
26	Rice Heights Park		1.5AC	\$503,742	\$8	This area is for the park itself; drawing and budget estimate include optional Ph 2 expansion on school property.
27	Riverfront Parks (Riverfront Plaza, Riverside, and Charter Oak Landing)		N/A			Budget for Riverfront Parks in coordination with Riverfront Recapture.
28	Roberta Jones Park		0.4AC	\$309,574	\$18	
29	Rocky Ridge Park		24.1AC	\$7,398,785	\$7	
30	Sigourney Square		2.5AC	\$12,824	\$0.12	
31	Turning Point		1.5AC	\$465,071	\$7	
32	Wexford		2.3AC	\$1,573,137	\$16	
33	Willie Ware		1.1AC	\$445,609	\$9	
	System-wide: Signage project (design)			\$30,000-\$40,000		This would cover the overall design of signage; implementation costs (physical signs) are included as separate line items for each park.
	Golf Course improvements			\$25,000,000		
	TOTAL		1,780AC	\$135,617,700	\$ 2	(includes \$40,000 for city-wide signage)

PARKS	Acres
Barnard Park	1.2
Barry Square	0.1
Batterson Park	453.4
Blue Hills Community Center	0.9
Bobby Sands Circle	0.0
Bond Street Parkette	0.4
Brackett Park & Parker Community Center	9.7
Burnham Park (planned)	3.8
Bushnell Park	33.6
Campfield Green / Campfield Memorial Grounds	0.3
Chandler Street Triangle / New Britian Street Triangle	0.1
Charter Oak Landing	24.8
Charter Oak Memorial	0.1
Charter Oak Memorial Park	0.5
City Of Hartford Open Space - Brainard Rd - 2 Parcels	13.0
City Of Hartford Open Space - Brookfield Street	13.8
City Of Hartford Open Space - Overlook Terrace	27.1
Colt Park + Dillon Stadium	106.6
Columbus Green / Lafayette Circle	0.4
Dominick DeLucco Playground	1.3
Elizabeth Park	100.2
Forster Heights Playground	3.0
Franklin Square	0.1
Gaullaudet Square	0.3
George Day Park	0.7
Goldfarb	0.5
Goodwin Golf Course	205.2
Goodwin Park	0.0
Harbison Playground	2.5
Joseph V. Cronin Playground	10.2
Keney Memorial Tower	1.2
Keney Park - Barbour St	315.2

CEMETERIES	Acres
Ancient Burying Ground	1.6
Cedar Hill Cemetery	39.3
Cemetery near middle of Keney	14.6
Northwood Cemetery	23.6
Old North Cemetery	17.3
Old South Cemetery	2.5
Mt. Zion Cemetery	28.6
Spring Grove Cemetery	45.8
TOTAL	173

Keney Park - Vine/Woodland St	177.6
Keney Park - Waverly St	64.8
Keney Park Golf Course - outside of Hartford	0.0
Leo Pugliesi Triangle	0.2
Lozada Park	2.4
Pope Park West	2.1
Newbury Street Triangle	0.1
Pope Park North	2.8
Pope Park South (Main)	75.4
Porter Park	0.6
Pulaski Circle	1.0
Pulaski Mall	1.7
Rice Heights Playground	1.5
Riverfront Plaza	7.0
Riverside Park	179.3
Roberta Jones Playground	0.4
Rocky Ridge Park	24.1
Saint Benedict Playground	0.1
Sigourney Square Park	2.5
South End Playground / Metzner Recreation Center / Columbus Park	8.9
Terry Square	0.1
Thomas Hooker Square & Old State House	1.9
Thomas J. Hyland Mem. Park & Southwest Rec. Ctr.	18.9
Turning Point Park	1.5
Wexford Park	2.3
White Street Triangle	0.0
Windsor Street Playground / Willie Ware Rec Center	1.1
TOTAL PARKS ACRES	1,908

Hartford Cost Index:

UNIT PRICES 2011			
	Price	Adj. Price	Per Unit
	EDIT	DO NOT EDIT	
1. PLAY			
Playground	\$250,000	\$250,000	Each
Spray Pad	\$150,000	\$150,000	Each
2. AMENITIES			
Furnishings	\$1,000.00	\$1,101	Each
Dog Park	\$125,000.00	\$137,625	Each
Demo Pavilion	\$10.95	\$12	Square Foot
Pavilion	\$65.00	\$71.57	Square Foot
Shelter	\$2,500.00	\$2,752.50	Each
Ice Skating Rink	\$632,500.00	\$696,382.50	Each
3. FIELD			
Synthetic Turf	\$1,000,000.00	\$1,101,000	Each
4. PLANTING			
Trees	\$1,000.00	\$1,101	Each
Shrubs	\$40.00	\$44	Each
Manufactured Wooden Planter			
48" side, 24" High	\$1,575.00	\$1,734.08	Each
Wetland	\$70,000.00	\$77,070.00	Acre
Planter Bed	\$37.50	\$41.29	Cubic Yard
Seed and Fertilizer	\$7,200.00	\$7,927.20	Acre
5. RENATURALIZATION			
City Staff Restoring Existing Parks	\$64,000.00	\$70,464	Acre
Demo Paved or Gravel	\$5.35	\$6	Square Yard
Tree Maintenance, Systemic	\$38.50	\$42	Each
Pond Buffer	\$2.00	\$2	SF
6. CIRCULATION			
Improved Park Entrance	\$1,050.00	\$1,156.05	Cubic Yard
Crosswalk Demarcation	\$3,200.00	\$3,523.20	Each
7. HARDSCAPE			
Traffic Signage	\$2,000.00	\$2,202.00	Each
Trails	\$190.00	\$209.19	Linear Foot
Fencing	\$14.05	\$15.47	Linear Foot
Historic Fencing	\$60.00	\$66.06	Linear Foot
Light	\$2,400.00	\$2,642.40	Each
Resurface Pavement	\$5.75	\$6.33	Square Yard
Concrete Curb	\$12.80	\$14.09	Linear Foot
Bituminous Roadway Gravel Base			
12" thick 24' Wide	\$149.00	\$164.05	Linear Foot
Concrete Sidewalk	\$26.00	\$28.63	Linear Foot
Concrete Sidewalk For Emergency Vehicles	\$46.00	\$50.65	Linear Foot
Bituminous Sidewalk			
2" Thick Paving, 4" Gravel Base, 5' Wide *2 for longer width	\$25.20	\$27.75	Linear Foot
Demo Pavement and Curb	\$16.20	\$17.84	Linear Foot
4"-6" Bitumen Road, Reinforce Curb			
Demo Bituminous Pavement	\$10.00	\$11.01	Square Yard
Parking Lot Gravel Base	\$1,425.00	\$1,568.93	Each
4" Bituminous Paving, 10" Gravel Base			
Concrete Unit Paver	\$25.00	\$27.53	Square Foot
Concrete Seat Wall	\$269.00	\$296.17	Linear Foot
Planter Demolition	\$4.49	\$4.94	Square Foot
8. MISCELLANEOUS			
Trail Kiosk	\$5,025.00	\$5,532.53	Each
Educational Signage	\$2,500.00	\$2,752.50	Each
Informational Signage	\$1,500.00	\$1,651.50	Each
Identity Bench	\$1,200.00	\$1,321.20	Each
Neighborhood Bench	\$1,250.00	\$1,376.25	Each
Picnic Table	\$4,500.00	\$4,954.50	Each
Swale	\$13.90	\$15.30	Cubic Yard
12" Culvert	\$26.00	\$28.63	Linear Foot
Latex Paint and Primer	\$74.00	\$81.47	Gallon
9. CONTINGENCY			
Construction Contingency		15 %	
Design Contingency		10 %	
Professional Contingency		10 %	
Administrative Fee		5 %	

110.1

Notes

City of Hartford DPW
City of Hartford DPW

Based on projects Sasaki has worked on in the last two years (2013-2014)
Heller + Heller (2010-2014)
Due to simple structure, assumed bridge Demolition, Steel 50' to 160' long, 8' to 10' Wide, RS Means 2014
Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014)
Based on projects Sasaki has worked on in the last two years (2013-2014)
55 deg System, 5 months, 100 Tons, RS Means 2014

Heller + Heller (2010-2014)

Canopy tree from POLA 40% Cost estimate (G:\64655.30\9.0 Estimate\40% Cost Estimate_Avalon.xls) (2012)
RS Means 2014 Shrub and EH
RS Means Site Work & Landscape Cost Data 2014

Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014) (possibly an over estimate)
Planting Bed, Prepared Planting Mix by Hand, RS Means 2014
Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014)

\$1.5 per sf
Assumed similar to 2" Bituminous Sidewalk Removal, SR Means Site Work & Landscape Cost Data 2014
RS Means Site Work & Landscape Cost Data 2014
Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014)

Assume 24'x8' Stone Pavers (32 14 40.10 1150) + Subgrade from Street assembly (G2010 230) \$410/6ft (2014)

10 14 53.20 5220 Traffic signage, 11SF to 20 SF (RSMeans 2014)
J.H. value of 1 Million / mile (2014)
4' High Chain-link, RS Means Site Work & Landscape Cost Data 2014
Decorative Metal Fence - 4' High = \$39 + Premium RS Means Site Work & Landscape Cost Data 2014
Aluminum, 1 Arm Bracket, 20' High, RS Means Site Work & Landscape Costs Data 2014
Pavement Overlay Polypropylene, RS Means Site Work & Landscape Cost Data 2014
Concrete Curb, Form and Concrete, RS Means Site Work & Landscape Cost Data 2014
RS Means Site Work & Landscape Cost Data 2014

G2030 120 1620 Concrete sidewalk, 4" thick, 4" gravel, 5' wide (RSMeans 2014)
G2030 120 1620 Concrete sidewalk, 6" thick, 8" gravel, 5' wide (RSMeans 2014) Adjusted to 8'

RS Means Site Work & Landscape Cost Data 2014

RS Means Site Work & Landscape Cost Data 2014

Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014)

RS Means Site Work & Landscape Cost Data 2014

Based on projects Sasaki has worked on in the past 5 years, with similar conditions (2009-2014)
Concrete Gravity Wall with Vertical Face Including Excavation & Backfill, 6' High, Level Embankment, RS Means 2014
8" Concrete Block Demo, 1" Deep Sod, additional mark up, RS Means 2014

Assumed Plaque, Custom, 36" x 38" cas in Aluminum, RS Means 2014

Allowance Based on Estimates found in RS Means Work & Landscape Cost Data 2014
Allowance Based on Estimates found in RS Means Work & Landscape Cost Data 2015
Cast Iron Pedestrian 8' Long, RS Means Site Work & Landscape Cost Data 2014
Precast with Wood Back 8' Long, RS Means Site Work & Landscape Cost Data 2015
Assumed Average, 2014
Cut Fill Common Earth, 80 HP Dozer, 50' haul, 8" Lift, 4 Passes, RS Means Work & Landscape Cost Data 2014
12" Galvanized, Uncoated, Corrugated Metal Pipe, 20' Lengths, RS Means Work & Landscape Cost Data 2014
RS Means Site Work & Landscape Cost Data 2014

assumed
assumed
assumed
assumed

ESCALATION RATE

To project the future coast of a project use the following equation:

$$Fv = Pv * (1.036)^n$$

Fv = Future Value
Pv = Present Value
n = Number of years, from 2014

*This equation is based on an average cost index increase over the past 10 years.

Example:
Cost of Bond Street Parkette in 2019 (5 years from now).

$$Fv = \$ 397,167 * (1.036)^5$$
$$Fv = \$ 473,993$$

Barnard Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
3. FIELD							
4. PLANTING	Trees	10	EA	\$1,101	\$11,010	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION	Crosswalk Demarcation	6	EA	\$3,523	\$21,139	Parks Guide	
7. HARDSCAPE	New paving	15790	SF	\$28	\$438,097	Parks Guide	
8. MISCELLANEOUS	Fence restoration	22	LF	\$66	\$1,453	Parks Guide	
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	Parks Guide	
	Bus Stop Shelter	1	EA	\$2,753	\$2,753	Parks Guide	
	Signage	4	EA	\$1,652	\$6,606	Parks Guide	
SUBTOTAL					\$631,058		
9. CONTINGENCY	Construction Contingency	15	%		\$94,659		
	Design Contingency	10	%		\$63,106		
	Professional Contingency	10	%		\$63,106		
	Administrative Fee	5	%		\$31,553		
GRAND TOTAL					\$883,481		
OTHER - NOT INCLUDED IN COST ESTIMATE (PREVIOUSLY INCLUDED IN DPW SPREADSHEET)							
	Implement Balance of Master plan Per iQuilt	1	EA	\$1,500,000	\$1,500,000	DPW	

Barry Square & Campfield Open Spaces

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY						
2. AMENITIES						
3. FIELD						
4. PLANTING						
	Trees	6	EA	\$1,101	\$6,606	Parks Guide
5. RENATURALIZATION						
	Low Mow	0.1	Acre	\$70,464	\$7,046	Parks Guide
6. CIRCULATION						
7. HARDSCAPE						
	Trails	178	LF	\$209	\$37,236	Parks Guide
8. MISCELLANEOUS						
	Benches	6	EA	\$1,376	\$8,258	Parks Guide
	Signage	2	EA	\$1,652	\$3,303	Parks Guide
SUBTOTAL					\$62,449	
9. CONTINGENCY						
	Construction Contingency	15	%		\$9,367	
	Design Contingency	10	%		\$6,245	
	Professional Contingency	10	%		\$6,245	
	Administrative Fee	5	%		\$3,122	
GRAND TOTAL					\$87,428	

Batterson Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Under Construction</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
Building Renovation and Infrastructure	1	EA	\$5,000,000	\$5,000,000		DPW	
Powerwash, Patch, Resurface, and Colorcoat Existing Basketball Court	1	EA	\$15,000	\$15,000		DPW	
Pavilion	1600	SF	\$72	\$114,504		Parks Guide	
3. FIELD							
4. PLANTING							
5. RENATURALIZATION							
6. CIRCULATION							
7. HARDSCAPE							
Vehicular Turn-Around	539	LF	\$164		\$88,422	Parks Guide	
Additional Parking	13	EA	\$1,569		\$20,396	Parks Guide	
Current Trail Construction	2649	LF	\$209	\$554,144		Parks Guide	
Near-Term Trail Construction	7485	LF	\$209	\$1,565,787		Parks Guide	
Long-Term Trails	7994	LF	\$209	\$1,672,265		Parks Guide	
8. MISCELLANEOUS							
Demolish Caretaker Cottage	1	EA				DPW	
Signage	10	EA	\$1,652	\$16,515		Parks Guide	
SUBTOTAL				\$8,938,215	\$108,818		
9. CONTINGENCY							
Construction Contingency	15	%		\$1,340,732			
Design Contingency	10	%		\$893,822			
Professional Contingency	10	%		\$893,822			
Administrative Fee	5	%		\$446,911			
GRAND TOTAL				\$12,513,501			

Blue Hills

		Quantity	Unit	Unit Cost	Construction Cost	Element Source	Comments
1. PLAY							
	Basketball Court	1	EA	\$45,000	\$45,000	DPW	
	Playground	1	EA	\$250,000	\$250,000	Parks Guide	
2. AMENITIES							
3. FIELD							
4. PLANTING							
	Tree	25	EA	\$1,101	\$27,525	Parks Guide	
5. RENATURALIZATION							
	Low Mow	0.1	Acre	\$70,464	\$7,046	Parks Guide	
6. CIRCULATION							
7. HARDSCAPE							
	Picnic Table	3	EA	\$1,101	\$3,303	Parks Guide	
8. MISCELLANEOUS							
	Demo Existing Building and Site Work	1	EA	\$500,000	\$500,000	DPW	Intention of demo is to allow half of site to be sold for redevelopment & revenue generation
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW	
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
SUBTOTAL					\$986,177		
9. CONTINGENCY							
	Construction Contingency	15	%		\$147,927		
	Design Contingency	10	%		\$98,618		
	Professional Contingency	10	%		\$98,618		
	Administrative Fee	5	%		\$49,309		
GRAND TOTAL					\$1,380,648		

Bond Street Parkette

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Playground	1	EA	\$250,000	\$250,000	Parks Guide	
2. AMENITIES							
3. FIELD							
4. PLANTING							
	Trees	8	EA	\$1,101	\$8,808	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION							
	Crosswalk Demarcation	3	EA	\$3,523	\$10,570	Parks Guide	
7. HARDSCAPE							
	Bench	10	EA	\$1,101	\$11,010	Parks Guide	
8. MISCELLANEOUS							
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
SUBTOTAL					\$283,691		
9. CONTINGENCY							
	Construction Contingency	15	%		\$42,554		
	Design Contingency	10	%		\$28,369		
	Professional Contingency	10	%		\$28,369		
	Administrative Fee	5	%		\$14,185		
GRAND TOTAL					\$397,167		

Brackett

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	New Playground & Spray Pad	1	EA	\$500,000	\$500,000	DPW	
	Replace Existing Basketball Court	1	EA	\$35,000	\$35,000	DPW	
2. AMENITIES							
	Basketball Court Renovation	1	EA	\$15,000	\$15,000	Parks Guide	Based on Other Basketball Court Renovation Costs
3. FIELD							
4. PLANTING							
5. RENATURALIZATION							
6. CIRCULATION							
7. HARDSCAPE							
8. MISCELLANEOUS							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$1,000,000	\$1,000,000	DPW	
	Signage	3	EA	\$1,652	\$4,955	Parks Guide	
SUBTOTAL					\$1,554,955		
9. CONTINGENCY							
	Construction Contingency	15	%		\$233,243		
	Design Contingency	10	%		\$155,495		
	Professional Contingency	10	%		\$155,495		
	Administrative Fee	5	%		\$77,748		
GRAND TOTAL					\$2,176,936		

Bushnell Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>
1. DPW / iQuilt					
Stone Turtles, Surface Repairs, Graffiti Removal, Metal slide Repair/Replacement	1	EA	\$350,000	\$350,000	DPW
Repair/Maintenance to Existing Spray Pad	1	EA	\$150,000	\$150,000	DPW
New Water Feature	1	EA	TBD	TBD	iQuilt
3. Parks Guide					
East End Improvements			TBD	TBD	DPW and iQuilt
East End Programming and Schematic Design phase Signage	12	EA	\$1,652	\$19,818	TBD Parks Guide
Concrete Sidewalk For Emergency Vehicles	5357	LF	\$ 51	\$271,311	Parks Guide
Fencing, Camera, Benches, etc.	1	EA	\$ 500,000	\$500,000	Parks Guide
SUBTOTAL				\$1,291,129	
9. CONTINGENCY					
Construction Contingency	15	%		\$193,669	
Design Contingency	10	%		\$129,113	
Professional Contingency	10	%		\$129,113	
Administrative Fee	5	%		\$64,556	
GRAND TOTAL				\$1,807,580	

Cost does not include water feature, Bushnell Gardens, Gold St. realignment, or any iQuilt features outside of Bushnell Park. Costs are approximate and will change depending on which features are implemented (future planning may result in change).

Comments

The exact nature of this feature is yet to be determined. A series of pools describe in iQuilt would be significantly more expensive to build and maintain than a stormwater-focused water element (preferred by Parks Guide). A separate study should be conducted to determine the strategy and cost.

Currently, alternative estimates/budgets for the East End area includes:
- DPW: \$5 mil for "iQuilt Plan (Arch., Carousel, Pump House, Rink)" - Unclear whether this includes a very rough \$3 mil estimate for moving carousel, or 1,000,000 for the renovation and addition project (in current location) that seems more likely now.
- iQuilt Cost Estimates: East End Improvements = \$6.8 mil.

Recommend a study for Programming and Schematic Design to further define the project design approach and budget for the East End (recommended Phase 1 of Bushnell implementation). Study has been proposed to be completed (cost \$257,000).

ell Park's existing footprint. Cost for included features s, for example, to iQuilt recommendations).

Charter Oak Monument

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>
1. PLAY					
2. AMENITIES					
3. FIELD					
4. PLANTING					
5. RENATURALIZATION					
6. CIRCULATION					
7. HARDSCAPE					
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$20,000	\$20,000 DPW
8. MISCELLANEOUS					
	Signage	2	EA	\$1,652	\$3,303 Parks Guide
SUBTOTAL					\$23,303
9. CONTINGENCY					
Construction Contingency	15	%		\$3,495	
Design Contingency	10	%		\$2,330	
Professional Contingency	10	%		\$2,330	
Administrative Fee	5	%		\$1,165	
GRAND TOTAL					\$32,624

Comments

This number was derived by reducing DPW's numbers for other parks, due to the scale of the Charter Oak Monument



Colt Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Playground, Old Existing/needs replacement & Safety Surfacing	1	EA	\$ 500,000	\$500,000	DPW	
2. AMENITIES							
	New Basketball Courts New Bituminous, Resurface, and Colorcoat	2	EA	\$ 40,000	\$80,000	Parks Guide	
	Tennis Court Battery Powerwash, Patch, Resurface, Colorcoat	1	EA	\$ 150,000	\$150,000	Parks Guide	
	Handball Court Sandblast, Crack Repair, and New Surface	1	EA	\$ 25,000	\$25,000	DPW	
	Stadium New Bleachers, Press Box, ADA Toilets & Lockers	1	EA	\$3,000,000	\$3,000,000	DPW	
	Stadium Main Field Only	1	EA	\$1,000,000	\$1,000,000	DPW	
	Demo Shade Structure	5090	SF	\$ 12	\$61,365	Parks Guide	
	New Pavilion	1600	SF	\$ 72	\$114,504	Parks Guide	
	Concession Stand Renovation	1	EA	\$ 500,000	\$500,000	Parks Guide	
	New Ice Skating Rink	1	EA	\$ 696,383	\$696,383	Parks Guide	
3. FIELD							
	Grade and Rebuild #9 baseball field, grade and rebuild five other fields	1	EA	\$4,500,000	\$4,500,000	DPW	
4. PLANTING							
	Trees	80	EA	\$ 1,101	\$88,080	Parks Guide	
	Road to Field Replanting	4.11	Acre	\$ 7,927	\$32,581	Parks Guide	
5. RENATURALIZATION							
	Demo Paved Surface	4545	SY	\$ 11	\$50,040	Parks Guide	
	Demo Track Surface	14436	SY	\$ 11	\$158,940	Parks Guide	
	Low Mow	27	Acre	\$ 70,464	\$1,902,528	Parks Guide	
6. CIRCULATION							
	Improved Entrance for Bicyclists and Pedestrians	1.05	CY	\$ 1,156	\$1,214	Parks Guide	Assumed 6' High Column
	Demo Existing Road	751	LF	\$ 18	\$13,395	Parks Guide	
7. HARDSCAPE							
	Fence	1707	LF	\$ 15	\$26,406	Parks Guide	
	Concrete Sidewalk	7858	LF	\$ 29	\$224,943	Parks Guide	
	Shared Use Sidewalk	6316	LF	\$ 28	\$175,239	Parks Guide	
	Plaza	41336	SF	\$ 28	\$1,137,773	Parks Guide	
	Improved Parking Lot	432	EA	\$ 1,569	\$677,776	Parks Guide	
8. MISCELLANEOUS							
	Renovation to Buildings (May Vary After Study)	1	EA	\$2,000,000	\$2,000,000	Parks Guide	
	Sign	30	EA	\$ 15	\$464	Parks Guide	
	Picnic Tables	27	EA	\$ 4,955	\$133,772	Parks Guide	
	Fencing, Camera, Benches, etc.	1	EA	\$ 500,000	\$500,000	Parks Guide	
SUBTOTAL					\$17,750,402		
9. CONTINGENCY							
	Construction Contingency	15	%		\$2,662,560		
	Design Contingency	10	%		\$1,775,040		
	Professional Contingency	10	%		\$1,775,040		
	Administrative Fee	5	%		\$887,520		
GRAND TOTAL					\$24,850,562		
	Reuse of Historic Buildings / Botanical Garden	1	EA	\$5,000,000	\$5,000,000	DPW	

Columbus Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Playground Renovation	1	EA	\$250,000	\$250,000	DPW	
	Powerwash, Patch, Resurface, and Colorcoat Existing Basketball Court	1	EA	\$15,000	\$15,000	DPW	
	New Asphalt, Resurface, and Colorcoat Existing Tennis Courts	2	EA	\$125,000	\$250,000	DPW	
2. AMENITIES							
3. FIELD							
	Baseball & Soccer Field Improvements	1	EA	\$1,500,000	\$1,500,000	DPW	
4. PLANTING							
	Trees	80	EA	\$1,101	\$88,080	Parks Guide	
5. RENATURALIZATION							
	Low Mow	5.53	Acre	\$70,464	\$389,666	Parks Guide	
6. CIRCULATION							
	Crosswalk Demarcation	10	EA	\$3,523	\$35,232	Parks Guide	
7. HARDSCAPE							
	Redo Parking Lot for Early Learning Center	1	EA	\$400,000	\$400,000	DPW	
	Centralized Path	1320	LF	\$190	\$250,800	Parks Guide	
8. MISCELLANEOUS							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW	
	Signage	6	EA	\$1,652	\$9,909	Parks Guide	
SUBTOTAL					\$3,338,687		
9. CONTINGENCY							
	Construction Contingency	15	%		\$500,803		
	Design Contingency	10	%		\$333,869		
	Professional Contingency	10	%		\$333,869		
	Administrative Fee	5	%		\$166,934		
GRAND TOTAL					\$4,674,162		

Cronin Park

		Quantity	Unit	Unit Cost	Construction Cost	Element Source	Comments
1. PLAY							
	Powerwash, Patch, Resurface, and Colorcoat Basketball Court #1	1	EA	\$5,000.0	\$5,000	DPW	
	New Asphalt, Resurface, and Colorcoat Basketball Court #2	1	EA	\$35,000.0	\$35,000	DPW	
2. AMENITIES							
3. FIELD							
	Construction of New Practice Field	1	EA	#####	\$ 750,000	DPW	
4. PLANTING							
	Trees	26	EA	\$1,101.0	\$28,626	Parks Guide	
5. RENATURALIZATION							
	Low Mow	1.54	Acre	\$70,464.0	\$108,515	Parks Guide	
6. CIRCULATION							
	Path Improvements	3095	LF	\$27.7	\$85,871	Parks Guide	
	Crosswalk Demarcation	8	EA	\$3,523.2	\$28,186	Parks Guide	
7. HARDSCAPE							
	Picnic Tables	16	EA	\$1,101.0	\$17,616	Parks Guide	
8. MISCELLANEOUS							
	Swale	194	CY	\$15.3	\$2,969	Parks Guide	Assume 10' Wide, 3' Deep Swale
	12" Culvert	25	LF	\$28.6	\$716	Parks Guide	Stormwater Management Will Need to Be Taken Into Consideration for Construction
	Signage	4	EA	\$1,651.5	\$6,606	Parks Guide	
SUBTOTAL					\$1,069,104		
9. CONTINGENCY							
	Construction Contingency	15	%		\$160,366		
	Design Contingency	10	%		\$106,910		
	Professional Contingency	10	%		\$106,910		
	Administrative Fee	5	%		\$53,455		
GRAND TOTAL					\$1,496,746		

NOTE: The Parks Guide does not recommend any spending for the proposed adjacent Burnham Park (either capital or maintenance); the City has sufficient open space, especially in this area.

Delucco Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	New Asphalt, Resurface, and Colorcoat Basketball Court #1	1	EA	\$25,000	\$25,000	Parks Guide	
2. AMENITIES							
	Resurface Basketball Court	1	EA	\$15,000	\$15,000	Parks Guide	Based on Other Resurface Basketball Court Estimates
3. FIELD							
4. PLANTING							
	Trees	25	EA	\$1,101	\$27,525	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION							
	Crosswalk Demarcation	2	EA	\$3,523	\$7,046	Parks Guide	
7. HARDSCAPE							
8. MISCELLANEOUS							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW	
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
SUBTOTAL					\$227,874		
9. CONTINGENCY							
	Construction Contingency	15	%		\$34,181		
	Design Contingency	10	%		\$22,787		
	Professional Contingency	10	%		\$22,787		
	Administrative Fee	5	%		\$11,394		
GRAND TOTAL					\$319,024		

Forster Heights Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Powerwash, Patch, Resurface, and Colorcoat Basketball Court	1	EA	\$10,000	\$10,000	DPW	
2. AMENITIES							
	Renovate playground and spraypad	1	EA	\$500,000	\$500,000	Parks Guide	Based on other playground and spraypad renovations in Hartford
3. FIELD							
4. PLANTING							
	Trees	24	EA	\$1,101	\$26,424	Parks Guide	
	Community Garden Plot	18	EA	\$1,734	\$31,213	Parks Guide	
5. RENATURALIZATION							
	Low Mow Area	1.04	Acre	\$70,464	\$73,283	Parks Guide	
6. CIRCULATION							
7. HARDSCAPE							
8. MISCELLANEOUS							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$250,000	\$250,000	DPW	
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
SUBTOTAL					\$894,223		
9. CONTINGENCY							
	Construction Contingency	15	%		\$134,133		
	Design Contingency	10	%		\$89,422		
	Professional Contingency	10	%		\$89,422		
	Administrative Fee	5	%		\$44,711		
GRAND TOTAL					\$1,251,912		

Goodwin Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Graffiti Removal, Surface Repairs, Masonry Maintenance and Repair	1	EA	\$250,000	\$250,000	DPW	
	New Asphalt, Resurface, and Colorcoat Basketball Court	1	EA	\$21,000	\$21,000	DPW	
	New Asphalt, Resurface, and Colorcoat Tennis Court Battery	0.5	EA	\$150,000	\$75,000	Parks Guide	
	Playground and spraypad renovation	1	EA	\$500,000	\$500,000	Parks Guide	Based on other playground and spraypad renovations in Hartford
2. AMENITIES							
3. FIELD							
4. PLANTING							
5. RENATURALIZATION							
	Low Mow	11	Acre	\$70,464	\$775,104	Parks Guide	
	Additional native plantings along trail	1200	EA	\$44	\$52,848	Parks Guide	
	Demo Gravel Lots	4262	SF	\$6	\$25,105	Parks Guide	
	Tree Maintenance	200	EA	\$42	\$8,478	Parks Guide	
6. CIRCULATION							
7. HARDSCAPE							
	Path upgrades on western edge	1177	LF	\$28	\$32,656	Parks Guide	
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$3,500,000	\$3,500,000	DPW	
8. MISCELLANEOUS							
	Picnic Tables	6	EA	\$4,955	\$29,727	Parks Guide	
	Signage	10	EA	\$1,652	\$16,515	Parks Guide	
	<i>(Note: Golf course improvements included as separate line item in overall summary)</i>						
SUBTOTAL					\$5,786,432		
9. CONTINGENCY							
	Construction Contingency	15	%		\$867,965		
	Design Contingency	10	%		\$578,643		
	Professional Contingency	10	%		\$578,643		
	Administrative Fee	5	%		\$289,322		
GRAND TOTAL					\$8,101,005		

Harriet Tubman Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Repair Playground Structure	1	EA	\$250,000	\$250,000	DPW	
2. AMENITIES							
3. FIELD							
4. PLANTING							
	Trees	3	EA	\$1,101	\$3,303	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION							
	Crosswalk Demarcation	1	EA	\$3,523	\$3,523	Parks Guide	
7. HARDSCAPE							
8. MISCELLANEOUS							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW	
	Repair Fence	69	LF	\$15	\$1,067	Parks Guide	
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
SUBTOTAL					\$411,197		
9. CONTINGENCY							
	Construction Contingency	15	%		\$61,679		
	Design Contingency	10	%		\$41,120		
	Professional Contingency	10	%		\$41,120		
	Administrative Fee	5	%		\$20,560		
GRAND TOTAL					\$575,675		

Hyland Park

		Quantity	Unit	Unit Cost	Construction Cost	Completed or Under Construction	Element Source	Comments
1. PLAY	Powerwash, Patch, Resurface, and Colorcoat Basketball Court	1	EA	\$15,000	\$15,000		DPW	
2. AMENITIES	Powerwash, Patch, Resurface, Basketball Net, and Colorcoat Basketball Court	1	EA	\$35,000	\$35,000		Parks Guide	Based off information found on the DPW estimate spread sheet
3. FIELD	Rebuild Existing Baseball Field	3	EA	\$750,000		\$2,250,000	DPW	
4. PLANTING	Synthetic Turf Baseball/Soccer Field	1	EA	\$1,101,000	\$1,101,000		Parks Guide	
5. RENATURALIZATION	Trees	40	EA	\$1,101	\$44,040		Parks Guide	
6. CIRCULATION	Low Mow	2.9	Acre	\$70,464	\$204,346		Parks Guide	
7. HARDSCAPE	Sidewalk	1092	LF	\$29	\$31,260		Parks Guide	
8. MISCELLANEOUS	Shared Use Walkway	246	LF	\$164	\$40,356		Parks Guide	
	Crosswalk demarcation	3	EA	\$3,523	\$10,570		Parks Guide	
	Paving, Fencing, Camera, Benches, etc.	1	EA	\$750,000	\$750,000		DPW	
	Picnic tables	4	EA	\$4,955	\$19,818		Parks Guide	
	Signage	6	EA	\$1,321	\$7,927		Parks Guide	
SUBTOTAL					\$2,259,316	\$2,250,000		
9. CONTINGENCY	Construction Contingency	15	%		\$338,897			
	Design Contingency	10	%		\$225,932			
	Professional Contingency	10	%		\$225,932			
	Administrative Fee	5	%		\$112,966			
GRAND TOTAL					\$3,163,042			

Keney Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>
1. PLAY	(Woodland) Spraypad Replacement	1	EA	\$250,000	\$250,000	DPW
	(Waverly) Playground Replacement	1	EA	\$250,000	\$250,000	DPW
	(Barbour) Playground	1	EA	\$250,000	\$250,000	DPW
	(Barbour) Spray Pad	1	EA	\$250,000	\$250,000	DPW
2. AMENITIES	(Woodland) Basketball Court #1, Powerwash, Patch, Resurface, and Colorcoat	1	EA	\$5,000	\$5,000	DPW
	(Woodland) Basketball Court #2, New Asphalt, Resurface, and Colorcoat	1	EA	\$30,000	\$30,000	DPW
	(Woodland) Basketball Court #3, New Asphalt, Resurface, and Colorcoat	1	EA	\$40,000	\$40,000	DPW
	(Woodland) Volleyball Court, New Asphalt, Resurface, and Colorcoat	1	EA	\$20,000	\$20,000	DPW
	(Woodland) Tennis Court Battery, New Asphalt, Resurface, and Colorcoat	1	EA	\$125,000	\$125,000	DPW
	(Woodland) Handball Court Sandblast, Crack Repair, and New Surface	1	EA	\$25,000	\$25,000	DPW
	(Waverly) Basketball Court #1, Powerwash, Patch, Resurface, and Colorcoat	1	EA	\$10,000	\$10,000	DPW
	(Waverly) Basketball Court #2, New Asphalt, Resurface, and Colorcoat	1	EA	\$50,000	\$50,000	DPW
	(Waverly) Basketball Court #3, New Asphalt, Resurface, and Colorcoat	1	EA	\$60,000	\$60,000	DPW
	(Barbour) Basketball Court, New Asphalt, Resurface, and Colorcoat	1	EA	\$45,000	\$45,000	DPW
	(Barbour) Tennis Court Battery, New Asphalt, Resurface, and Colorcoat	1	EA	\$80,000	\$80,000	DPW
	(Barbour) Picnic Pavilion	1	EA	\$500,000	\$500,000	DPW
3. FIELD	(Woodland) Football Field (Keney Ridgefield)	1	EA	\$750,000	\$750,000	DPW
4. PLANTING						
5. RENATURALIZATION						
6. CIRCULATION	Resurface Road	98969	SY	\$6	\$626,548	Parks Guide
	Curb	92093	LF	\$14	\$1,297,848	Parks Guide
	Shrub	1000	EA	\$44	\$44,040	Parks Guide
	Light	460	EA	\$2,642	\$1,215,504	Parks Guide
	Trailhead kiosks	8	EA	\$5,533	\$44,260	Parks Guide
7. HARDSCAPE	(Woodland) Paving, Fencing, Cameras, Benches, etc.	1	EA	\$3,500,000	\$3,500,000	DPW
	(Waverly) Paving, Fencing, Cameras, Benches, etc.	1	EA	\$250,000	\$250,000	DPW
8. MISCELLANEOUS	(Barbour) Paving, Fencing, Cameras, Benches, etc.	1	EA	\$250,000	\$250,000	Parks Guide
	Club House Renovation	1	EA	\$1,430,000	\$1,430,000	Allowance RS Means
	Signage	30	EA	\$1,652	\$49,545	Parks Guide
	<i>(Note: Golf course improvements included as separate line item in overall summary)</i>					
SUBTOTAL					\$11,447,745	
9. CONTINGENCY	Construction Contingency	15	%		\$1,717,162	
	Design Contingency	10	%		\$1,144,775	
	Professional Contingency	10	%		\$1,144,775	
	Administrative Fee	5	%		\$572,387	
GRAND TOTAL					\$16,026,844	

Comments

Alternatively, could be removed and renaturalized
Alternatively, could be removed and renaturalized

Alternatively, courts could be removed and renaturalized

Alternatively, courts could be removed and renaturalized
Alternatively, courts could be removed and renaturalized

This number is based on RSMeans Square Foot Costs 2013, new construction. Structural soundness, asbestos levels, condition of existing utilities, infrastructure, infestation, and other unforeseen issues could increase the cost significantly.



Keney Clock Tower Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
3. FIELD							
4. PLANTING							
	Trees	2	EA	\$1,101	\$2,202	Parks Guide	
5. RENATURALIZATION							
	Low Mow	0.39	Acre	\$70,464	\$27,481	Parks Guide	
6. CIRCULATION							
7. HARDSCAPE							
8. MISCELLANEOUS							
	Tower Renovations	1	EA	\$500,000	\$500,000	DPW	
	Paving, Fencing, Cameras, Benches, etc	1	EA	\$150,000	\$150,000	Parks Guide	Based off information found on the DPW estimate spread sheet
	Signage	2	EA	\$1,652	\$3,303	Parks Guide	
	<i>Other Improvements TBD based on separate master plan study underway currently</i>						
SUBTOTAL					\$682,986		
9. CONTINGENCY							
	Construction Contingency	15	%		\$102,448		
	Design Contingency	10	%		\$68,299		
	Professional Contingency	10	%		\$68,299		
	Administrative Fee	5	%		\$34,149		
GRAND TOTAL					\$956,180		

Lozada Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
	New Asphalt, Resurface, and Colorcoat Basketball Court	1	EA	\$45,000	\$45,000	DPW	
	Add new basketball court	1	EA	\$40,000	\$40,000	Parks Guide	Based on pricier New Basketball Courts in Hartford
3. FIELD							
4. PLANTING							
	Trees	50	EA	\$1,101	\$55,050	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION							
7. HARDSCAPE							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$250,000	\$250,000	DPW	
8. MISCELLANEOUS							
	Signage	3	EA	\$1,652	\$4,955	Parks Guide	
SUBTOTAL					\$395,005		
9. CONTINGENCY							
	Construction Contingency	15	%		\$59,251		
	Design Contingency	10	%		\$39,500		
	Professional Contingency	10	%		\$39,500		
	Administrative Fee	5	%		\$19,750		
GRAND TOTAL					\$553,006		

Pope Park

		Quantity	Unit	Unit Cost	Construction Cost	Currently under construction	Element Source	Comments
1. PLAY								
	(North) Spray Pad	1	EA	\$250,000		\$250,000	DPW	
	(Main) Playground Renovation, Surface Repair, Graffiti Removal	1	EA	\$100,000	\$100,000		DPW	
	(Main) New Volleyball Court	1	EA	\$35,000	\$35,000		DPW	
2. AMENITIES								
3. FIELD								
	(Main) New Baseball and Soccer Fields	1	EA	\$1,500,000	\$1,500,000		DPW	
4. PLANTING								
5. RENATURALIZATION								
	Low Mow	22	Acre	\$70,464	\$1,550,208		Parks Guide	
	Pond Buffer	90205	SF	\$2	\$198,631		Parks Guide	
	Demo Paved Surface	1394	SF	\$6	\$8,211		Parks Guide	
6. CIRCULATION								
	(Bankside Grove) Nature Trail	1	EA	\$2,000,000	\$2,000,000		DPW	
	Shared Use Sidewalk	1944	LF	\$28	\$53,937		Parks Guide	
7. HARDSCAPE								
	(North) Paving, Fencing, Cameras, Benches, etc.	1	EA	\$500,000	\$500,000		DPW	
	2 Intersection Improvements	1	EA	\$700,000	\$700,000		Parks Guide	Rough Estimate Based on Assumption on Road Removal and Addition of Turning Lanes
8. MISCELLANEOUS								
	(Main) Implement Balance of Masterplan River Channel Improvements	1	EA	\$1,000,000	\$1,000,000 (see note)		DPW	Assume signage upgrades are included in this work and have not listed them separately Separate grant funding underway
SUBTOTAL					\$7,645,987	\$250,000		
9. CONTINGENCY								
	Construction Contingency	15	%		\$1,146,898			
	Design Contingency	10	%		\$764,599			
	Professional Contingency	10	%		\$764,599			
	Administrative Fee	5	%		\$382,299			
GRAND TOTAL					\$10,704,382			

Porter Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY						
2. AMENITIES						
3. FIELD						
4. PLANTING						
	Trees	15	EA	\$1,101	\$16,515	Parks Guide
	Community Garden Plot	18	EA	\$1,734	\$31,213	Parks Guide
5. RENATURALIZATION						
6. CIRCULATION						
7. HARDSCAPE						
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DWP
8. MISCELLANEOUS						
	Signage	3	EA	\$1,652	\$4,955	Parks Guide
SUBTOTAL					\$202,683	
9. CONTINGENCY						
	Construction Contingency	15	%		\$30,402	
	Design Contingency	10	%		\$20,268	
	Professional Contingency	10	%		\$20,268	
	Administrative Fee	5	%		\$10,134	
GRAND TOTAL					\$283,756	

Pulaski Mall

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
3. FIELD							
4. PLANTING							
5. RENATURALIZATION							
6. CIRCULATION	Complete "Upper" Mall	1	EA	\$350,000	\$350,000	DPW	
7. HARDSCAPE							
8. MISCELLANEOUS	Signage	5	EA	\$1,652	\$8,258	Parks Guide	
SUBTOTAL					\$358,258		
9. CONTINGENCY							
Construction Contingency		15	%		\$53,739		
Design Contingency		10	%		\$35,826		
Professional Contingency		10	%		\$35,826		
Administrative Fee		5	%		\$17,913		
GRAND TOTAL					\$501,561		

Rice Heights Park

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
2. AMENITIES							
3. FIELD							
	Wetland (Phase 1)	0.44	Acre	\$77,070	\$33,911	Parks Guide	
	Wetland (Phase 2)	1.45	Acre	\$77,070	\$111,752	Parks Guide	
4. PLANTING							
	Trees	20	EA	\$1,101	\$22,020	Parks Guide	
5. RENATURALIZATION							
6. CIRCULATION							
	Concrete Sidewalk (Phase 1)	818	LF	\$29	\$23,416	Parks Guide	
	Trail (Phase 2)	1128	LF	\$209			
7. HARDSCAPE							
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW	
8. MISCELLANEOUS							
	Educational signage (Phase 1)	5	EA	\$2,753	\$13,763	Parks Guide	
	Other signage	3	EA	\$1,652	\$4,955	Parks Guide	
SUBTOTAL					\$359,815		
9. CONTINGENCY							
	Construction Contingency	15	%		\$53,972		
	Design Contingency	10	%		\$35,982		
	Professional Contingency	10	%		\$35,982		
	Administrative Fee	5	%		\$17,991		
GRAND TOTAL					\$503,742		

Roberta Jones Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY						
2. AMENITIES						
3. FIELD						
4. PLANTING						
	Trees	9	EA	\$1,101	\$9,909	Parks Guide
5. RENATURALIZATION						
	Low Mow	0.1	Acre	\$70,464	\$7,046	Parks Guide
6. CIRCULATION						
	Crosswalk Demarcation	6	EA	\$3,523	\$21,139	Parks Guide
7. HARDSCAPE						
	Paving, Fencing, Cameras, Benches, etc.	1	EA	\$150,000	\$150,000	DPW
8. MISCELLANEOUS						
	Picnic Tables	6	EA	\$4,955	\$29,727	Parks Guide
	Other signage	2	EA	\$1,652	\$3,303	Parks Guide
SUBTOTAL					\$221,125	
9. CONTINGENCY						
	Construction Contingency	15	%		\$33,169	
	Design Contingency	10	%		\$22,112	
	Professional Contingency	10	%		\$22,112	
	Administrative Fee	5	%		\$11,056	
GRAND TOTAL					\$309,574	

Rocky Ridge Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>
1. PLAY					
2. AMENITIES					
Convert Building to Open-Air Pavilion	1	EA	\$150,000	\$150,000	Allowance
3. FIELD					
Renovate (1) Baseball and (1) Soccer Fields	1	EA	\$1,500,000	\$1,500,000	DWP
4. PLANTING					
Community Garden Plots	34	EA	\$1,734	\$58,959	Parks Guide
Trees	80	EA	\$1,101	\$88,080	Parks Guide
5. RENATURALIZATION					
Low Mow	13.74	Acre	\$70,464	\$968,175	Parks Guide
6. CIRCULATION					
Concrete Sidewalk	1827	LF	\$29	\$52,300	Parks Guide
Trail	1265	LF	\$209	\$264,625	Parks Guide
7. HARDSCAPE					
Bike Path	7383	LF	\$209	\$1,544,450	Parks Guide
Paving, Fencing, Cameras, Benches, etc.	1	EA	\$250,000	\$250,000	DWP
8. MISCELLANEOUS					
Signage	5	EA	\$1,652	\$8,258	Parks Guide
Intersection improvement - demo + renaturalization	1	EA	\$400,000	\$400,000	Parks Guide
SUBTOTAL				\$5,284,846	
9. CONTINGENCY					
Construction Contingency	15	%		\$792,727	
Design Contingency	10	%		\$528,485	
Professional Contingency	10	%		\$528,485	
Administrative Fee	5	%		\$264,242	
GRAND TOTAL				\$7,398,785	

Comments

This number is based on projects Sasaki has worked on in the past 5 years. Structural soundness, asbestos levels, condition of existing utilities, infestation, and other unforeseen issues could increase the cost significantly.



Sigourney Square

Quantity Unit Unit Cost

1. PLAY

2. AMENITIES

3. FIELD

4. PLANTING

5. RENATURALIZATION

6. CIRCULATION

Concrete Sidewalk

320

LF

\$29

7. HARDSCAPE

8. MISCELLANEOUS

SUBTOTAL

9. CONTINGENCY

Construction Contingency

15

%

Design Contingency

10

%

Professional Contingency

10

%

Administrative Fee

5

%

GRAND TOTAL

<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
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\$9,160 Parks Guide

\$9,160

\$1,374

\$916

\$916

\$458

\$12,824

Turning Point Park

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY						
2. AMENITIES						
3. FIELD						
4. PLANTING						
Tree	127	EA	\$1,101	\$139,827	Parks Guide	
5. RENATURALIZATION						
Low Mow	2.73	Acre	\$70,464	\$192,367	Parks Guide	
6. CIRCULATION						
7. HARDSCAPE						
8. MISCELLANEOUS						
SUBTOTAL				\$332,194		
9. CONTINGENCY						
Construction Contingency	15	%		\$49,829		
Design Contingency	10	%		\$33,219		
Professional Contingency	10	%		\$33,219		
Administrative Fee	5	%		\$16,610		
GRAND TOTAL				\$465,071		

Wexford

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY							
	Playground Demolition	1	EA	\$50,000	\$50,000	Parks Guide	Assumed Allowance
2. AMENITIES							
3. FIELD							
4. PLANTING							
	Planter Bed	807	CY	\$41	\$33,319	Parks Guide	Assume 3' High
5. RENATURALIZATION							
6. CIRCULATION							
7. HARDSCAPE							
	Demo of existing planters	25356	SF	\$5	\$125,347	Parks Guide	
	Concrete Seat Wall	1357	LF	\$296	\$401,901	Parks Guide	
	New Courts, Lighting, Paving, Fencing, Cameras, Benches, etc.	1	EA	\$500,000	\$500,000	DPW	
8. MISCELLANEOUS							
	Graffiti Removal	100	Gal	\$81	\$8,147	Parks Guide	
	Signage	3	EA	\$1,652	\$4,955	Parks Guide	
SUBTOTAL					\$1,123,669		
9. CONTINGENCY							
	Construction Contingency	15	%		\$168,550		
	Design Contingency	10	%		\$112,367		
	Professional Contingency	10	%		\$112,367		
	Administrative Fee	5	%		\$56,183		
GRAND TOTAL					\$1,573,137		

Willie Ware

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Construction Cost</u>	<u>Element Source</u>	<u>Comments</u>
1. PLAY						
2. AMENITIES						
3. FIELD						
4. PLANTING						
	Trees	22	EA	\$1,101	\$24,222	Parks Guide
5. RENATURALIZATION						
	Low Mow	0.48	Acre	\$70,464	\$33,823	Parks Guide
6. CIRCULATION						
	Crosswalk Demarcation	1	EA	\$3,523	\$3,523	Parks Guide
7. HARDSCAPE						
	Fencing	150	LF	\$15	\$2,320	Parks Guide
8. MISCELLANEOUS						
	Upgrades & Building Renovations	1	EA	\$250,000	\$250,000	DWP
	Signage	2	EA	\$2,202	\$4,404	Parks Guide
SUBTOTAL					\$318,292	
9. CONTINGENCY						
	Construction Contingency	15	%		\$47,744	
	Design Contingency	10	%		\$31,829	
	Professional Contingency	10	%		\$31,829	
	Administrative Fee	5	%		\$15,915	
GRAND TOTAL					\$445,609	