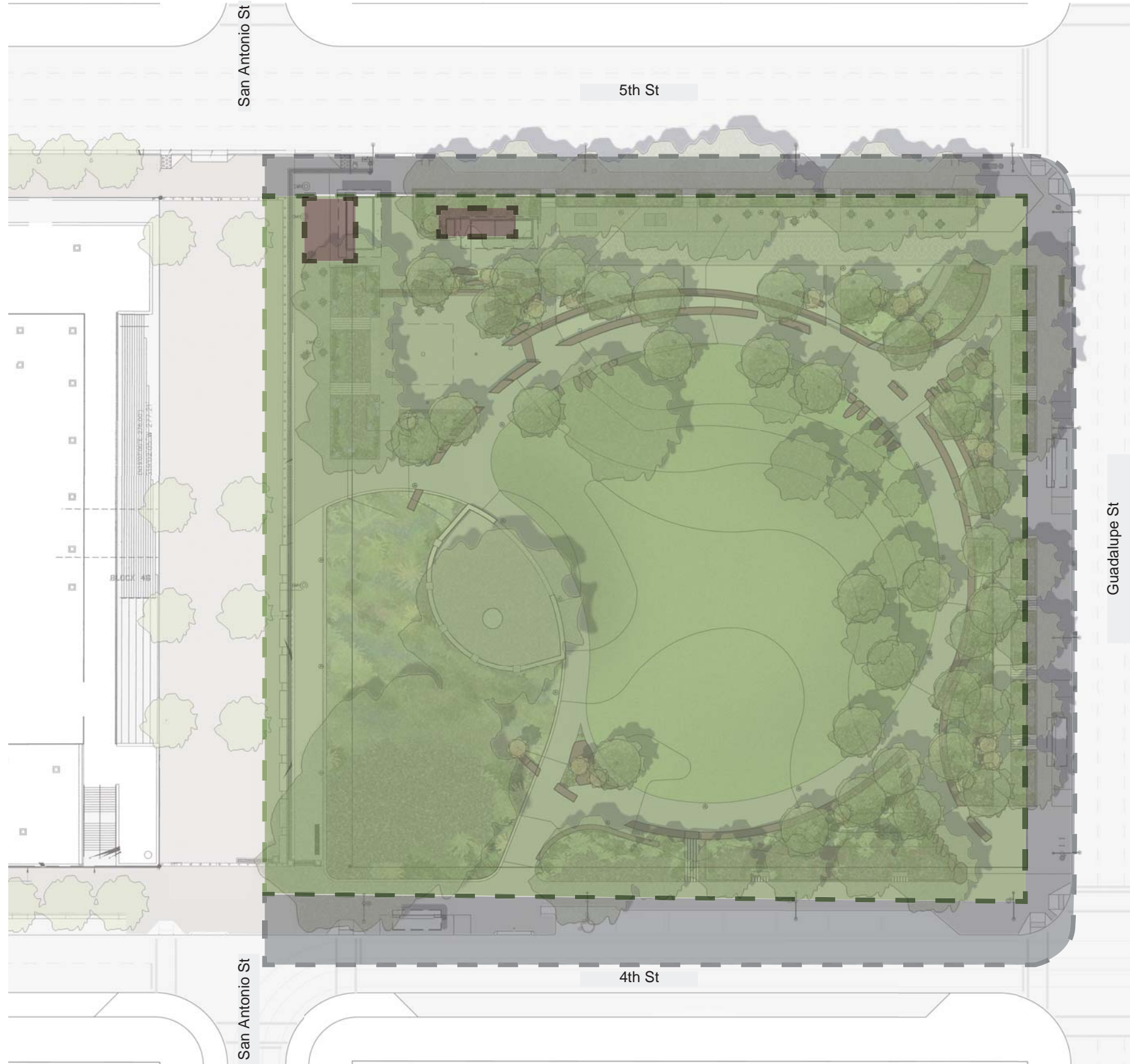




# 6

## IMPLEMENTATION





## Implementation Plan

### Phase One

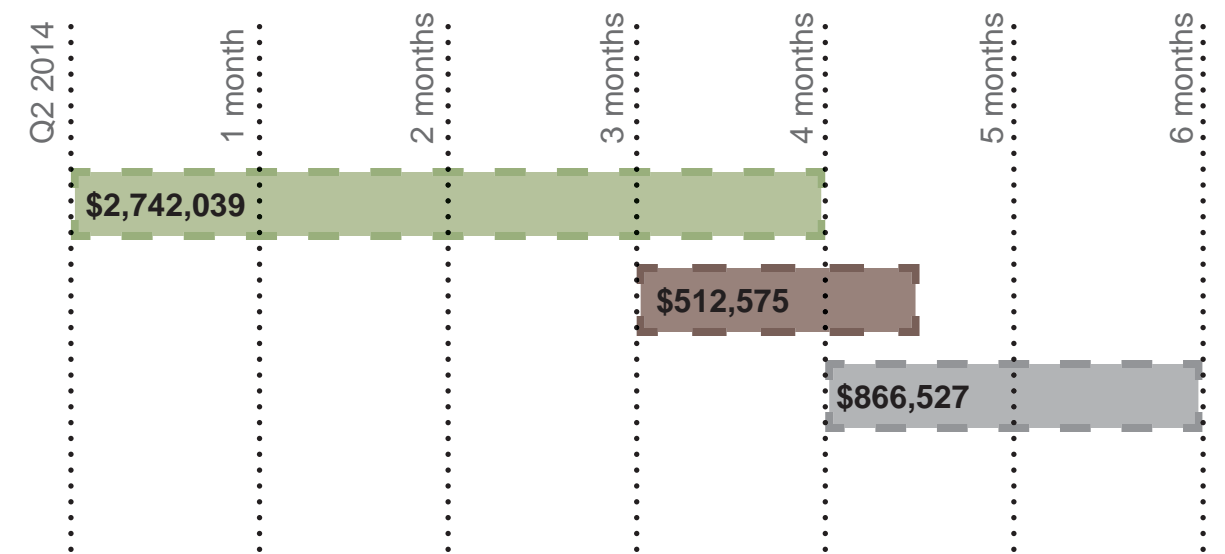
*Park Proper:* Construction will occur within the confines of the Park Proper while maintaining pedestrian circulation along the streetscapes and through the Federal Plaza. Park improvements will target a completion time of four months and allow for a “resting” period of two months for establishment. All connections and utility lines will be installed and stubbed in anticipation of the Restaurant Kiosk and Support Building, which will be constructed during Phase Two. With this implementation scheme, the entire Park will be realized in one construction scope, with construction following a logical sequence without re-mobilization costs.

### Phase Two

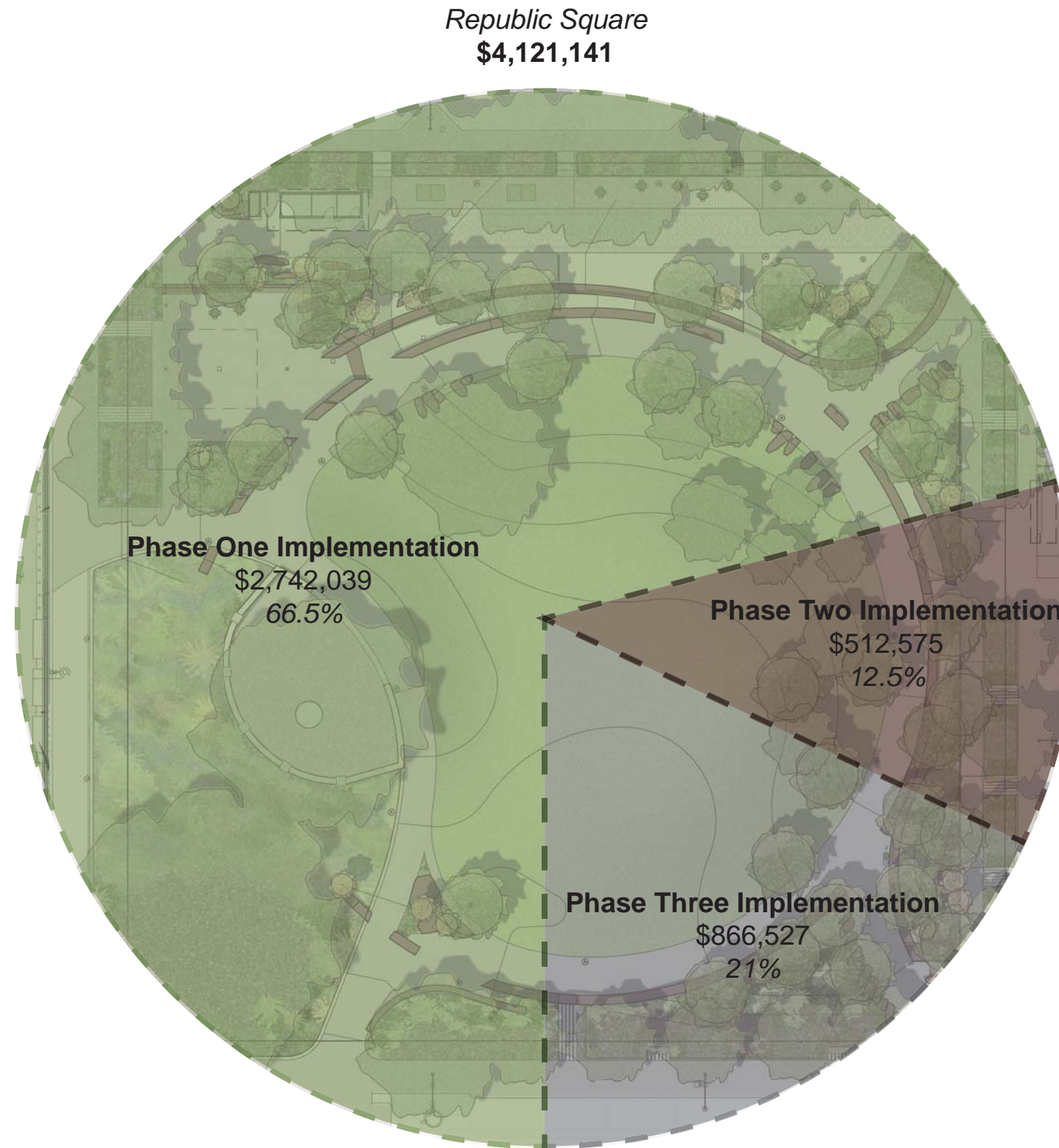
*Buildings:* During the two month “resting” period, construction on the Restaurant Kiosk and Support Building will commence in an isolated construction footprint without impacting the newly installed Phase One.

### Phase Three

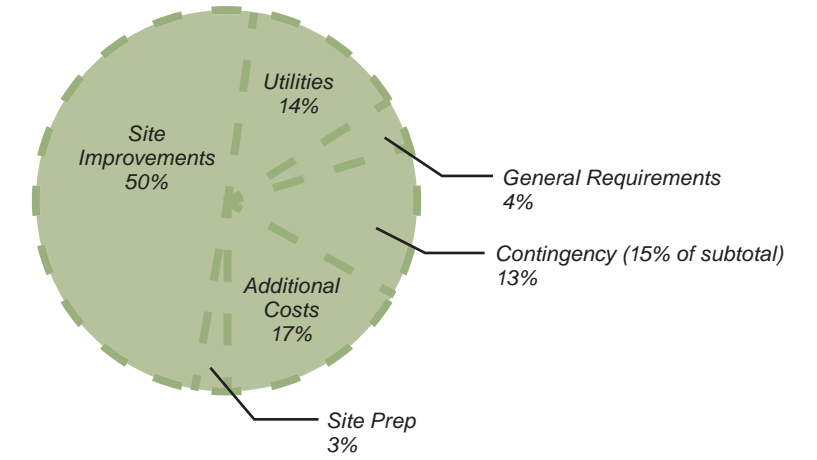
*Right-of-Way Streetscape-Public Works:* After the landscape improvements occur within the Park Proper, the Public Works “Great Streets” improvements will complete the Park. Ideally, each streetscape ROW would be it’s own Phase as these streets undergo their anticipated Public Works improvements.



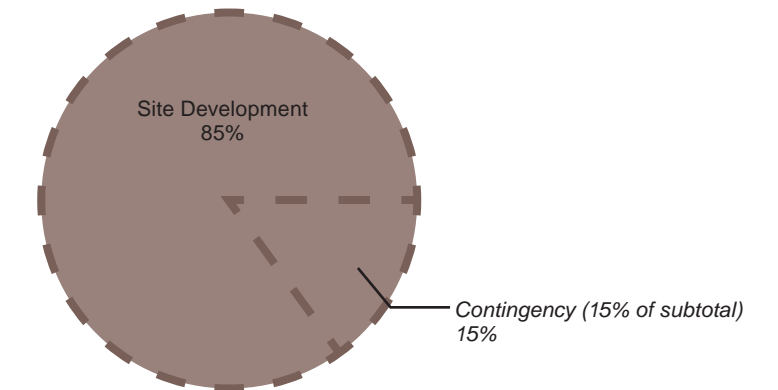
# Implementation Costing



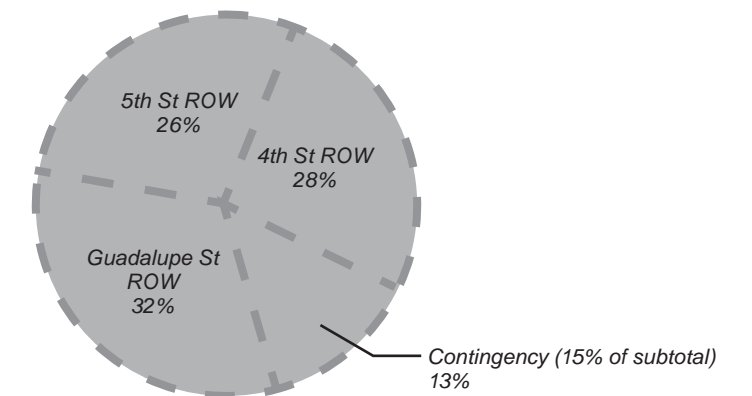
## Phase One



## Phase Two

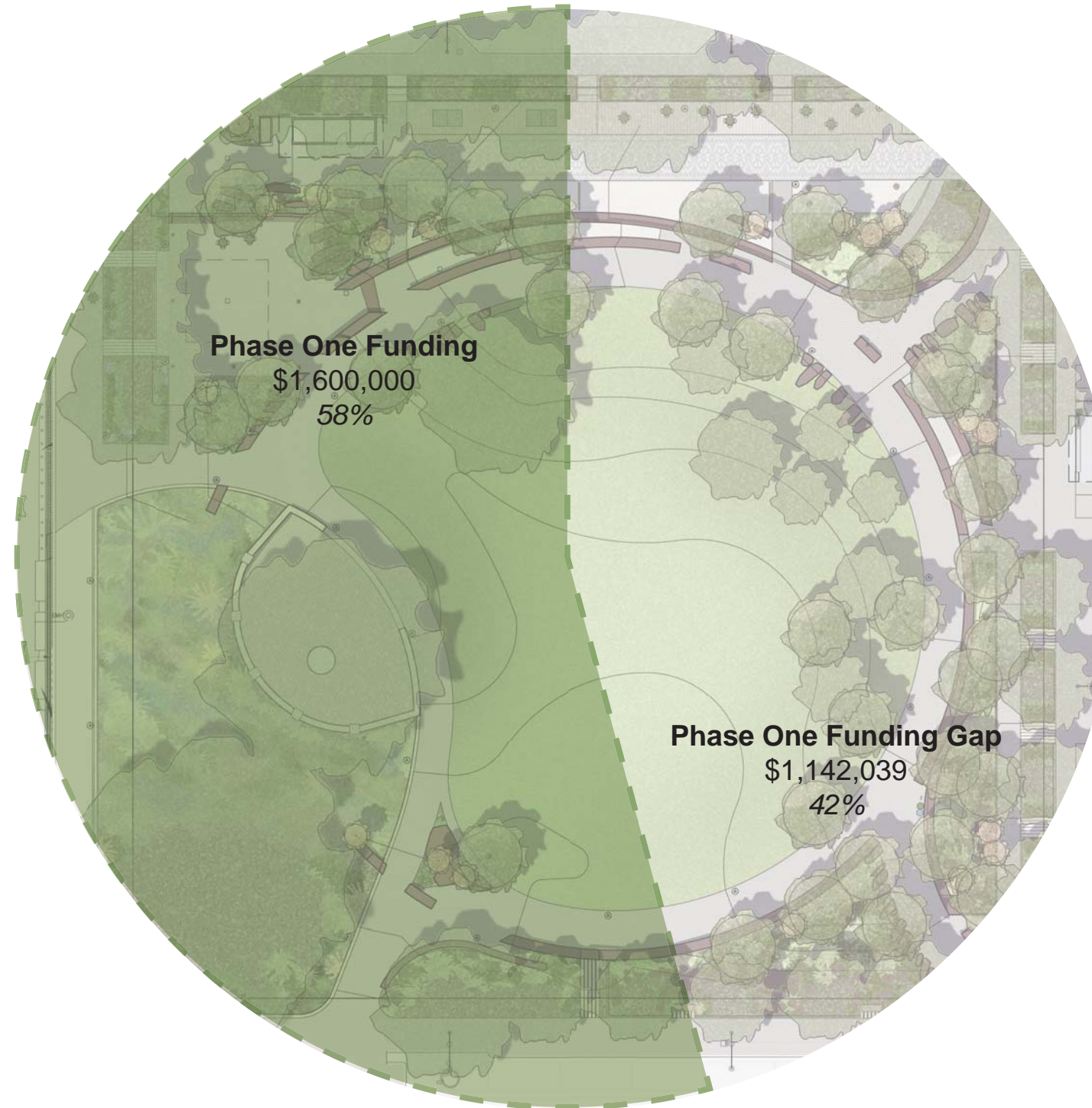


## Phase Three



## Phase One Implementation

### Republic Square - Phase One \$2,742,039



#### Phase One

*Park Proper:* PARD currently has \$1,600,000 to invest in Phase One, leaving a necessary \$1,142,039 funding gap to complete Phase One. This capital cost deficit can be raised by identifying funding opportunities within existing City of Austin Codes and Ordinances. Republic Square Park is slowly undergoing adjoining edge transformations, experiencing growth and development. These developments can tie City of Austin ordinance requirements directly to the Park and offset the initial construction deficit while also building the annual Operations and Maintenance budget.

#### Capital Cost Funding Opportunities

- Parkland Dedication
- Watershed Protection Fee In Lieu
- City of Austin Bond
- Federal Courthouse San Antonio St Sale
- Travis County Courthouse
- Hotel Taxes

#### Operations and Maintenance Funding (Annual Recurrence)

- Hotel Taxes
- Concessions
- Donations
- Park Rental
- Non-Profit

Phase Two Implementation

**Phase Two** ■

*Buildings:* PARD currently has \$1,600,000 to invest in Phase One leaving all of the \$512,575 budget as a necessary funding gap to complete Phase Two. As identified in Phase One, there are existing funding opportunities within the City of Austin's Codes of Ordinances. Republic Square Park is slowly undergoing adjoining edge transformations, experiencing growth and development. These developments can tie City of Austin Ordinance Requirements directly to the Park and offset the initial construction deficit while also building the annual Operations and Maintenance budget.

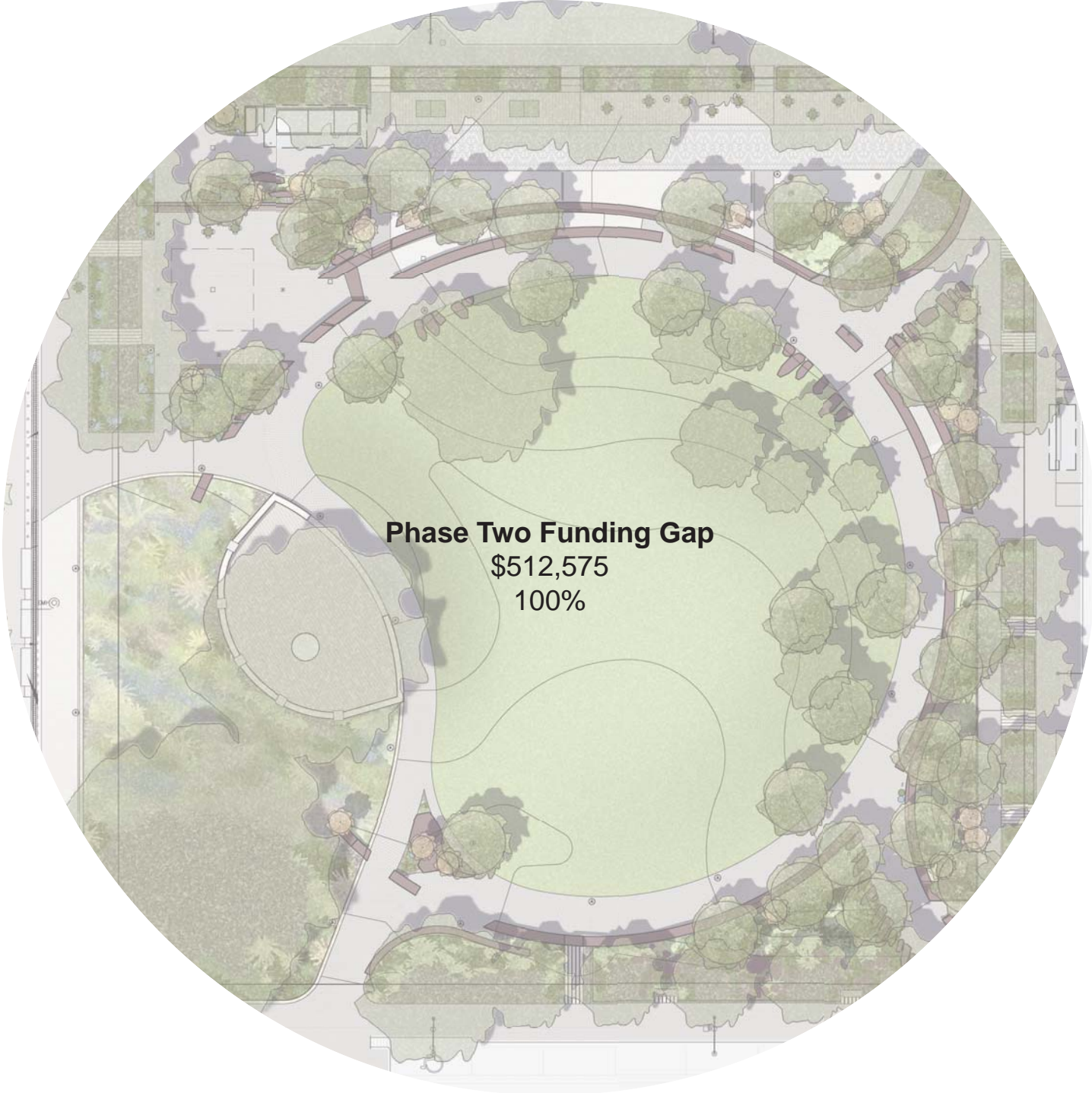
**Capital Cost Funding Opportunities**

- Parkland Dedication
- Watershed Protection Fee In Lieu
- City of Austin Bond
- Federal Courthouse San Antonio St Sale
- Travis County Courthouse
- Hotel Taxes

**Operations and Maintenance Funding (Annual Recurrence)**

- Hotel Taxes
- Concessions
- Donations
- Park Rental
- Non-Profit

**Republic Square - Phase Two**  
**\$512,575**



## Phase Three Implementation

Republic Square - Phase Three  
\$866,527



### Phase Three

*Right-of-Way Streetscape - Public Works:* Identifying the streetscapes as Public Works projects allows available funds to be funneled to immediate needs, i.e. the Park proper. Public Works can initiate Bond Packages to fund existing plans for the bordering streetscapes; The 5th St Mexican-American Heritage Corridor, CapMetro Rapid Bus (Guadalupe St) and Future Rail Spur (4th St). These bordering streetscape block improvements can hold until their correlating Public Works projects kickoff and funding is available.

### Capital Cost Funding Opportunities

Public Works  
City of Austin Bond

### Operations and Maintenance Funding (Annual Recurrence)

Hotel Taxes  
Concessions  
Donations  
Park Rental  
Non-Profit

# Implementation Summary Schedule

## Operations and Maintenance (O+M)

Based on the design concept, ETM has identified an O+M cost of \$350,563 annually (refer to Figure 5 of the ETM Republic Square Park Report). These budget costs include all costs, 'both personnel and non-personnel associated with the annual maintenance and management of the park.' This budget of \$185,000 per acre is comparable to the ETM Case Studies average O+M (refer to Figure 7 of the ETM Republic Square Park Report).

## Business Plan

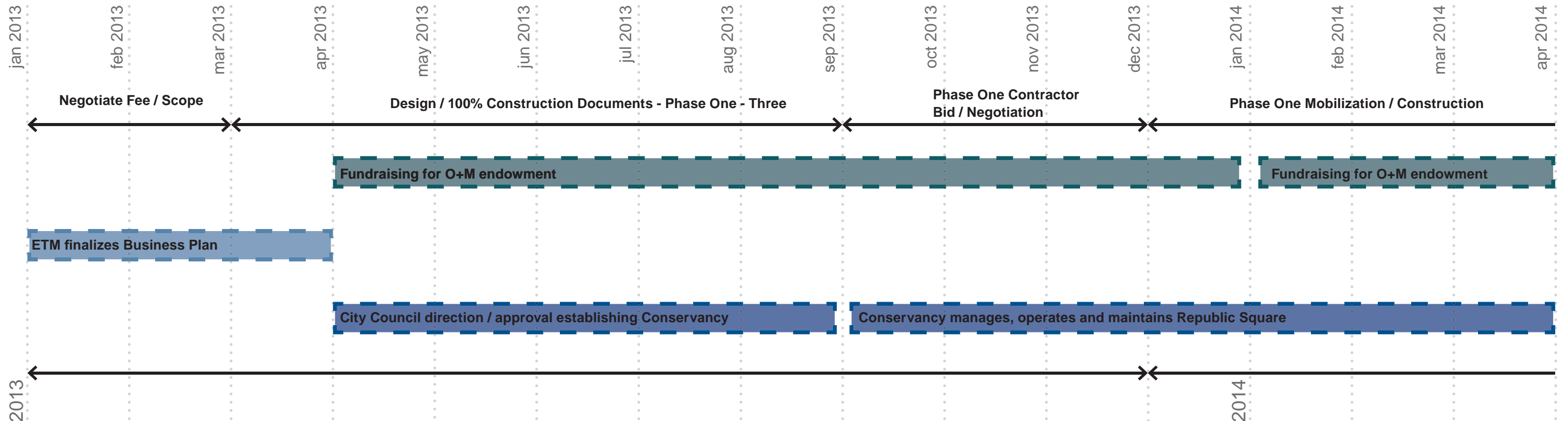
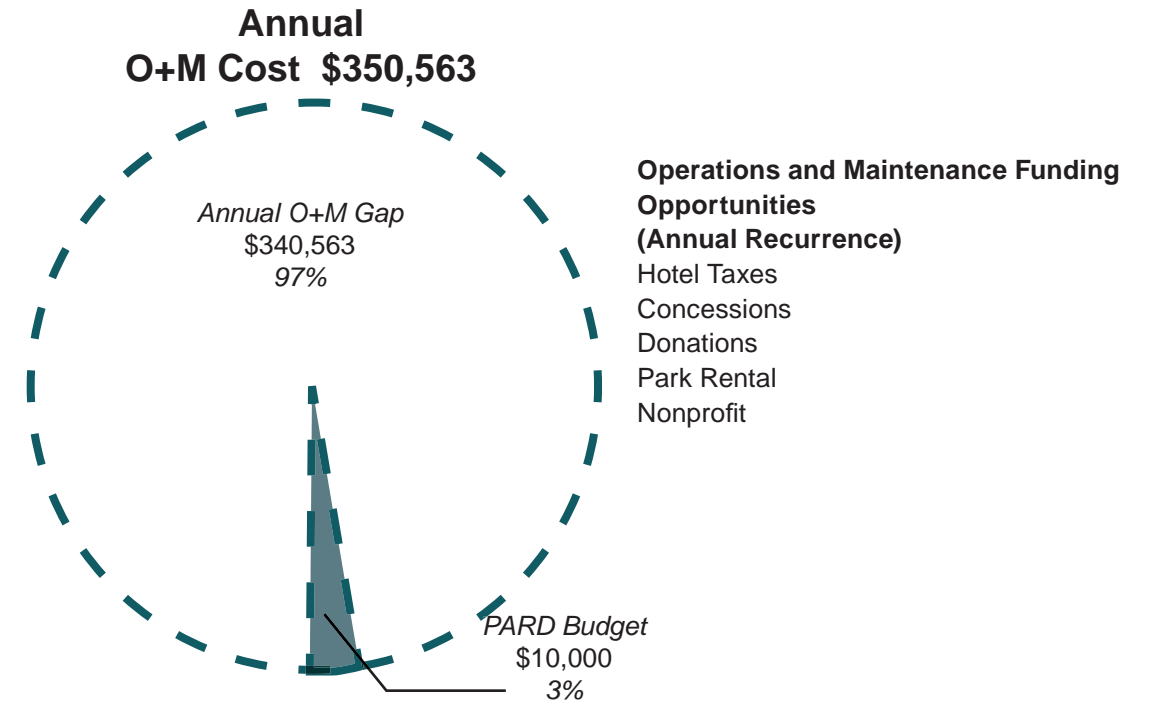
The business plan sets up the operating/governance model, the planned functional components, the operational needs with final operating costs and finally a detailed implementation plan with specific actions, timelines, organizational impact, assessment, operational needs and budget. The business plan is necessary to meet the operational and organizational needs and requirements for public-private partnerships in Republic Square.

## Partners

The ETM Republic Square Report outlines four different management options for consideration:

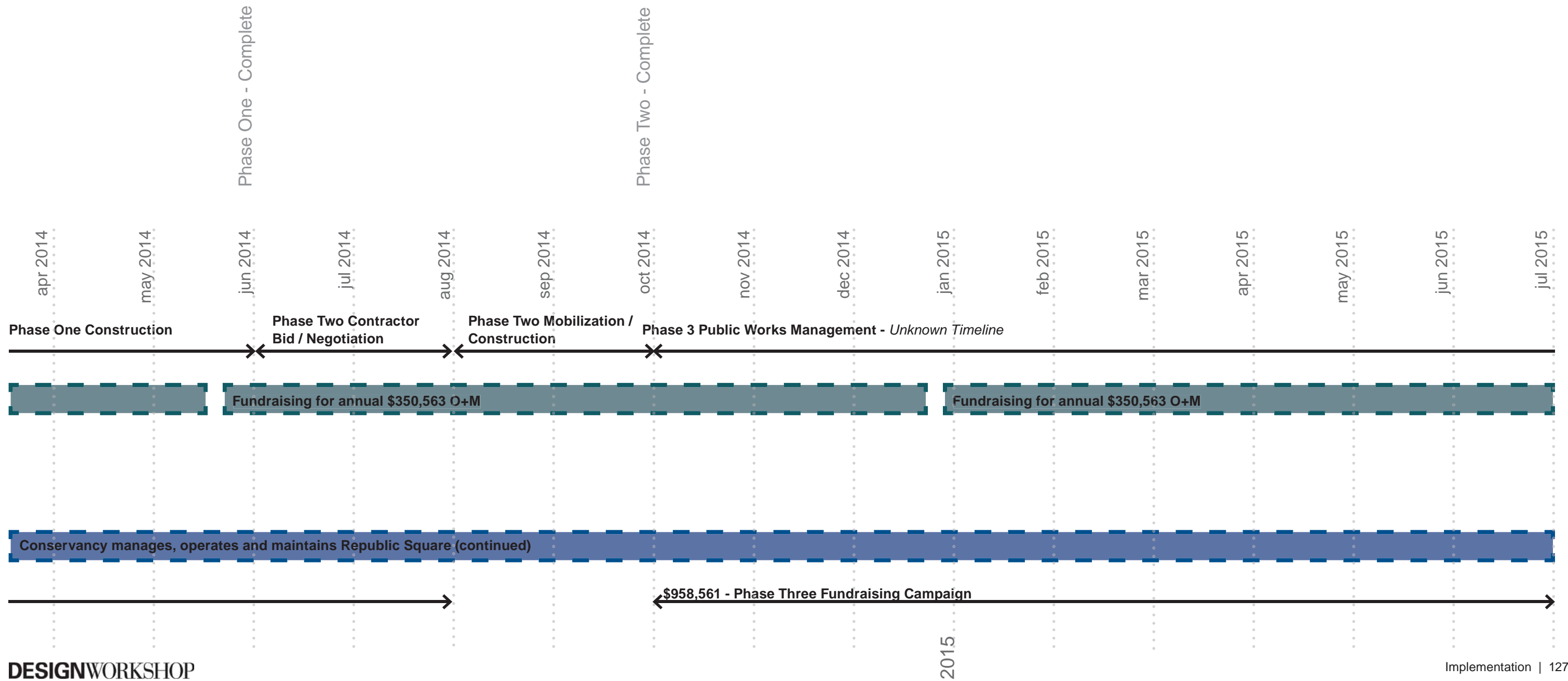
- **Option 1-** APF Manages the Park in Partnership with PARD;
- **Option 2-** DAA Contractually Manages the Park;
- **Option 3-** APF Manages the Park; or
- **Option 4-** Formation of a New Downtown Non-Profit to Manage the Park.

Refer to the ETM Republic Square Report for more information on these four options.





Implementation Summary  
Schedule (continued)



Description	Quantity	Total	
		Unit Cost	Amount
<b>200 PARK PROPER</b>			
G BUILDING SITEWORK			2,156,823
Z GENERAL REQUIREMENTS			111,117
<b>200 PARK PROPER</b>			<b>2,267,940</b>
<b>201 ROW GUADALUPE PUBLIC TRANSIT CORRIDOR</b>			
G BUILDING SITEWORK			239,827
Z GENERAL REQUIREMENTS			2,000
<b>201 ROW GUADALUPE PUBLIC TRANSIT CORRIDOR</b>			<b>241,827</b>
<b>202 ROW 4TH STREET CORRIDOR</b>			
G BUILDING SITEWORK			205,499
Z GENERAL REQUIREMENTS			5,000
<b>202 ROW 4TH STREET CORRIDOR</b>			<b>210,499</b>
<b>203 ROW FEDERAL COURTHOUSE PLAZA</b>			
G BUILDING SITEWORK			162,627
<b>203 ROW FEDERAL COURTHOUSE PLAZA</b>			<b>162,627</b>
<b>204 ROW 5TH STREET CORRIDOR</b>			
G BUILDING SITEWORK			189,971
Z GENERAL REQUIREMENTS			5,000
<b>204 ROW 5TH STREET CORRIDOR</b>			<b>194,971</b>

**Estimate Totals**

Description	Amount	Totals	Rate	Percent of Total
Labor				
Material				
Subcontract	3,077,864			74.68%
Equipment				
Other				
<b>Total Direct Cost</b>	<b>3,077,864</b>	<b>3,077,864</b>		<b>74.68%</b>
GENERAL REQUIREMENTS	92,336		3.000 %	2.24%
GENERAL CONDITIONS	230,840		7.500 %	5.60%
<b>Subtotal</b>	<b>323,176</b>	<b>3,401,040</b>		<b>7.84%</b>
GENERAL LIABILITY	26,188		0.770 %	0.64%
BUILDERS RISK	2,913		0.085 %	0.07%
BOND	40,659			0.99%
<b>Subtotal</b>	<b>69,760</b>	<b>3,470,800</b>		<b>1.69%</b>
CONTRACTORS FEE	112,801		3.250 %	2.74%
<b>Subtotal</b>	<b>112,801</b>	<b>3,583,601</b>		<b>2.74%</b>
CONTINGENCY	537,540		15.000 %	13.04%
<b>Total</b>		<b>4,121,141</b>		

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
<b>200 PARK PROPER</b>				
<b>G BUILDING SITEWORK</b>				
<b>G10 SITE PREPARATION</b>				
<b>G1030 EARTHWORK</b>				
70-0100-0100	Clear & Grub Site	0.80 ACRE	2,500.00 /ACRE	2,000
70-0100-0100	Site Demolition, By Others			
70-0100-0100	Hazardous Waste Removals, 10' x 20' vault, pipes and fountain adjacent to Heritage Tree, Allowance	1.00 ALW	15,000.00 /ALW	15,000
70-0100-0100	Remove 12" soil at Turf Areas	580.00 CY	12.00 /CY	6,960
70-0400-0100	Fine Grade Turf Areas	1,740.00 SY	2.25 /SY	3,915
70-0400-0100	Fine Grade Site, at buildings	80.00 SY	5.00 /SY	400
30-0000-0400	Silt Fence, assume site perimeter	1,144.00 LF	5.00 /LF	5,720
30-0000-0400	Construction Entrance, assume 3 ea. at 25*25	1,875.00 SF	1.75 /SF	3,281
30-0000-0400	Erosion Control Maintenance	4.00 MO	250.00 /MO	1,000
30-0000-0400	Spoil and haul off berms, includes 35% swell	998.00 CY	18.00 /CY	17,964
70-0100-0100	Root Tunnels to connect healthy soils, airspade, 24" x 24"	563.00 LF	5.00 /LF	2,815
	<b>G1030 EARTHWORK</b>			<b>59,055</b>
	<b>G10 SITE PREPARATION</b>			<b>59,055</b>
<b>G20 SITE IMPROVEMENTS</b>				
<b>G2031 PAVING &amp; SURFACING</b>				
70-0200-0100	Radiant Red Granite Cobble	480.00 SF	35.00 /SF	16,800
70-0200-0100	Crushed Stone Surface	3,260.00 SF	4.50 /SF	14,670
70-0200-0100	Cast-in-place Steps	50.00 SF	35.00 /SF	1,750
70-0200-0100	IPE Decking	1,800.00 SF	25.00 /SF	45,000
70-0200-0100	Leuder Limestone Paving	400.00 SF	14.00 /SF	5,600
70-0200-0100	Charcoal Unit Paver (Pedestrian), Republic Plaza	3,665.00 SF	12.50 /SF	45,813
70-0200-0100	Charcoal Unit Paver (Pedestrian), Arc Promenade	5,640.00 SF	12.50 /SF	70,500
70-0200-0100	Charcoal Unit Paver (Pedestrian), East End	4,152.00 SF	12.50 /SF	51,900
70-0200-0100	Charcoal Unit Paver (Vehicular), North Drive	3,682.00 SF	16.00 /SF	58,912
70-0200-0100	Charcoal Unit Paver (Vehicular), South Drive	2,606.00 SF	16.00 /SF	41,696
70-0200-0100	IPE Deck substructure w/ airspade for footings	1,800.00 SF	10.00 /SF	18,000
	<b>G2031 PAVING &amp; SURFACING</b>			<b>370,641</b>
<b>G2040 SITE DEVELOPMENT</b>				
70-0100-0400	Main Perimeter Fence	1,144.00 LF	23.00 /LF	26,312
200	Move, offsite, existing limestone block and chain link fence at Auction Oaks	145.00 LF	50.00 /LF	7,250
	<b>G2040 SITE DEVELOPMENT</b>			<b>33,562</b>
<b>G2041 SITE DEVELOPMENT-BUILDINGS</b>				
70-0100-0400	Restaurant Kiosk	350.00 SF	600.00 /SF	210,000
70-0100-0400	Park Storage	150.00 SF	250.00 /SF	37,500
70-0100-0400	Park Restrooms	300.00 SF	450.00 /SF	135,000
	<b>G2041 SITE DEVELOPMENT-BUILDINGS</b>			<b>382,500</b>
<b>G2042 RETAINING WALLS</b>				
XX-0000-X001	Tube Steel Rail- 1 1/2" diameter tube	1,335.00 LF	65.00 /LF	86,775

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>G2042 RETAINING WALLS</b>					
XX-0000-X001	Hand Rail at Steps- painted black and constructed of simple tube or flat bar material	6.00 LF	85.00 /LF		510
XX-0000-X001	Center Railing at Steps- painted black and constructed of simple tube or flat bar material	3.00 LF	155.00 /LF		465
70-0100-0100	Radiant Red Granite Wall, 6"	44.00 LF	132.00 /LF		5,808
70-0100-0100	Radiant Red Granite Wall, 12"	114.00 LF	220.00 /LF		25,080
70-0100-0100	Radiant Red Granite Wall, 18"	141.00 LF	284.00 /LF		40,044
70-0100-0100	Radiant Red Granite Wall, 24"	158.00 LF	433.00 /LF		68,414
70-0100-0100	Radiant Red Granite Tiered Wall, 12"	52.00 LF	220.00 /LF		11,440
70-0100-0100	Radiant Red Granite Tiered Wall, 18"	88.00 LF	284.00 /LF		24,992
70-0100-0100	Radiant Red Granite Tiered Wall, 24"	155.00 LF	433.00 /LF		67,115
70-0100-0100	Radiant Red Granite Tiered Wall, 36"	20.00 LF	670.00 /LF		13,400
70-0100-0100	CIP Retaining Wall, at Steps	24.00 SF	55.00 /SF		1,320
70-0100-0100	CIP Retaining Wall, at Seats	115.00 SF	55.00 /SF		6,325
70-0100-0100	Sawcut and Chisel Reveal into Granite	500.00 LF	30.00 /LF		15,000
	<b>G2042 RETAINING WALLS</b>				<b>366,688</b>
<b>G2044 SIGNAGE</b>					
XX-0000-X001	Mexican-American Cultural Trail Node Sign	1.00 EA	1,200.00 /EA		1,200
XX-0000-X001	Auction Oaks Information Sign, graphic intensive signage	1.00 EA	1,200.00 /EA		1,200
XX-0000-X001	Park Background and Management Information Sign, carved into granite boulder	2.00 EA	7,500.00 /EA		15,000
XX-0000-X001	Park Entry Sign, "Republic Square", carved into granite boulder	2.00 EA	7,500.00 /EA		15,000
XX-0000-X001	Water Use Information Sign, graphic intensive signage	1.00 EA	1,500.00 /EA		1,500
XX-0000-X001	Park Rules Sign, graffiti resistant	4.00 EA	750.00 /EA		3,000
XX-0000-X001	Game Court Rules, graffiti resistant	1.00 EA	750.00 /EA		750
XX-0000-X001	Kiosk Signage Allowance, kiosk operator, bathrooms, fire/emergency information	1.00 ALW	2,500.00 /ALW		2,500
XX-0000-X001	Temporary Signage - Signage for temporary maintenance closures - lawn reseed, etc.	1.00 ALW	500.00 /ALW		500
	<b>G2044 SIGNAGE</b>				<b>40,650</b>
<b>G2045 SITE FURNISHINGS</b>					
70-0100-0100	Garbage and Recycling, PARD Standard Scarborough	8.00 EA	1,200.00 /EA		9,600
70-0100-0100	Site Bench Seat w. steel frames, imbedded posts & 1-1/2" x 3-1/2" lpe deck	166.00 SF	35.00 /SF		5,810
70-0100-0100	Dog Waste Bag Dispenser, w/ biodegradable bags	4.00 EA	450.00 /EA		1,800
70-0100-0100	Police Call Box	2.00 EA	1,500.00 /EA		3,000
70-0100-0100	Park Table- Landscape forms, 30" round version, ivy color	14.00 EA	1,200.00 /EA		16,800
70-0100-0100	Park Chair- Landscapeforms, ivy color, 4 per table	56.00 EA	400.00 /EA		22,400
70-0100-0100	Washer Pits- Washer pits should include a 1/4" steel frame pinned to grade	2.00 SET	1,200.00 /SET		2,400
70-0100-0100	Court Bumpers- 4" x 4" x 10' timber poles, stored in game area	1.00 LS	400.00 /LS		400
70-0100-0100	Ping Pong Table	2.00 EA	1,500.00 /EA		3,000
70-0100-0100	Tent Ties	12.00 EA	250.00 /EA		3,000
70-0100-0100	Donor Bench- Existing bench dedicated to Charlie McCabe to be relocated	1.00 EA	250.00 /EA		250
	<b>G2045 SITE FURNISHINGS</b>				<b>68,460</b>
<b>G2050 LANDSCAPING</b>					
70-0100-0100	Airspade for decompaction, assumed 6" depth, amend with compost	8,074.00 SF	5.00 /SF		40,370
70-0100-0100	Rake Mulch at Meadow Area	4,474.00 SF	0.35 /SF		1,566
70-0100-0100	Full-depth amended soils, for nutrition at plantings-non critical zones, amend with compost	8,386.00 SF	3.00 /SF		25,158

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>G2050 LANDSCAPING</b>					
70-0100-0100	Slope Soil at Proposed Lawns, decompact to 12" depth & amend with compost	9,700.00 SF	3.00 /SF		29,100
200	Mulch, 4", at airspaded areas	8,074.00 SF	0.50 /SF		4,037
X001	Creek Edge and Bank Planting	6,220.00 SF	6.00 /SF		37,320
X001	Lavender and Seasonal Planting	1,316.00 SF	6.00 /SF		7,896
X001	Wildflower and Short Grass Meadow	4,470.00 SF	1.50 /SF		6,705
X001	Hardy Foundation Plantings, 1 gal.	2,022.00 SF	6.00 /SF		12,132
X001	Main Lawn, Note - Structural soil for main lawn includes entire lawn area outside of existing trees to remain	22,486.00 SF	3.50 /SF		78,701
X001	Drivable Lawn	2,872.00 SF	15.00 /SF		43,080
10-0000-0400	Plant Bed Preparation	14,028.00 SF	0.45 /SF		6,313
10-0000-0400	Meadow Soils - Native Topsoil, Import & Spread, 3"	42.00 CY	33.00 /CY		1,386
10-0000-0400	Turf- 2" rich topsoil mixed with bank sand	97.00 CY	40.00 /CY		3,880
10-0000-0400	Turf- 10" free-draining soil mix w/ moderate sand content	481.00 CY	40.00 /CY		19,240
10-0000-0400	Slope Soil at Lawn - 2" rich topsoil mixed with bank sand	60.00 CY	28.00 /CY		1,680
X130	Texas Redbud, 3" cal	10.00 EA	550.00 /EA		5,500
X140	Big Tooth Maple, 5" cal	15.00 EA	1,800.00 /EA		27,000
X140	Burr Oak, 5" cal.	15.00 EA	1,200.00 /EA		18,000
X140	Anacacho Orchid	10.00 EA	650.00 /EA		6,500
X140	Relocate Tree 5036, 5" Burr Oak	1.00 EA	900.00 /EA		900
X140	Relocate Tree 5037, 7" Shumard Oak	1.00 EA	1,200.00 /EA		1,200
X140	Relocate Tree 5041, 5" Cedar Elm	1.00 EA	900.00 /EA		900
200	Root Barrier	1,078.00 LF	3.50 /LF		3,773
200	Root Pruning	414.00 LF	25.00 /LF		10,350
200	Granite Boulders on Site	13.00 EA	2,500.00 /EA		32,500
200	Large Boulders at Biofiltration Area	3.00 EA	3,000.00 /EA		9,000
200	Edge Stones at Bank Planting	825.00 SF	6.50 /SF		5,363
	<b>G2050 LANDSCAPING</b>				<b>439,549</b>
<b>G2057 IRRIGATION SYSTEM</b>					
90-0400-0600	6" Irrigation Sleeve	190.00 LF	20.00 /LF		3,800
XX-0000-X001	Deep water bubblers at Trees, 2 per tree	66.00 EA	75.00 /EA		4,950
XX-0000-X001	Deep water bubblers at Trees, 2 per tree, at Existing Trees	66.00 EA	75.00 /EA		4,950
XX-0000-X002	Rotor Spray Irrigation System at Lawns, manually controlled, installed by airspade	25,358.00 SF	0.35 /SF		8,875
XX-0000-X002	Subsurface Drip line at 4" below surface for shrub beds, installed by airspade	2,883.00 SF	0.55 /SF		1,586
XX-0000-X002	Double Check Backflow Preventer	1.00 EA	2,000.00 /EA		2,000
XX-0000-X002	Irrigation Control Valve	21.00 EA	200.00 /EA		4,200
XX-0000-X002	Irrigation Weather Control Station	1.00 EA	5,000.00 /EA		5,000
	<b>G2057 IRRIGATION SYSTEM</b>				<b>35,361</b>
	<b>G20 SITE IMPROVEMENTS</b>				<b>1,737,410</b>
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					
<b>G3010 WATER SUPPLY</b>					
10-0000-0400	3/4" Potable Water Line	170.00 LF	12.00 /LF		2,040
10-0000-0400	1" Potable Water Line	190.00 LF	14.00 /LF		2,660
10-0000-0400	1.5" Potable Water Line	140.00 LF	16.00 /LF		2,240
10-0000-0400	1" Water Line at Future Vault at Plaza Water Feature	15.00 LF	14.00 /LF		210
10-0000-0400	1" Water Line at Support Building	50.00 LF	14.00 /LF		700
10-0000-0400	Hose Bib (Potable)	4.00 EA	350.00 /EA		1,400
10-0000-0400	Bottle Filling Station & Water Fountain	2.00 EA	2,500.00 /EA		5,000
10-0000-0400	Future Vault at Plaza Water Feature, w/ hatch	1.00 EA	15,000.00 /EA		15,000

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
<b>G3010 WATER SUPPLY</b>				<b>29,250</b>
<b>G3020 SANITARY SEWER</b>				
70-0300-0100	6" PVC Sanitary Sewer Line at Grease Trap	30.00 LF	50.00 /LF	1,500
70-0300-0100	4" PVC Sanitary Sewer Line	26.00 LF	45.00 /LF	1,170
70-0300-0100	6" PVC Sanitary Sewer Line	68.00 LF	50.00 /LF	3,400
70-0400-0100	Grease Trap	1.00 EA	4,700.00 /EA	4,700
<b>G3020 SANITARY SEWER</b>				<b>10,770</b>
<b>G3030 STORM SEWER</b>				
70-0100-0100	6" Storm Sewer Line	46.00 LF	30.00 /LF	1,380
70-0100-0100	12" Storm Sewer Line	173.00 LF	40.00 /LF	6,920
70-0100-0100	18" Storm Sewer Line	74.00 LF	55.00 /LF	4,070
70-0100-0100	12" Storm Sewer Line to Bio Filtration Pond in Island	19.00 LF	40.00 /LF	760
70-0100-0100	6" Storm Sewer Line to Manhole	19.00 LF	30.00 /LF	570
70-0100-0100	Combination Inlet and Splitter Box	1.00 EA	3,500.00 /EA	3,500
70-0100-0100	Storm Sewer Manholes	2.00 EA	3,800.00 /EA	7,600
70-0100-0100	Rain Garden Filtering Soils & Systems, Allowance	1.00 ALW	20,000.00 /ALW	20,000
<b>G3030 STORM SEWER</b>				<b>44,800</b>
<b>G30 CIVIL/MECHANICAL UTILITIES</b>				<b>84,820</b>
<b>G40 ELECTRICAL UTILITIES</b>				
<b>G4000 ELECTRICAL UTILITIES</b>				
70-0200-0100	Custom Pole Lights, 4" dia heavy wall steel pole w/ 3 LED fixtures	30.00 EA	5,200.00 /EA	156,000
70-0200-0100	Bollard Lights, full cutoff, black finish, for pathway lighting	8.00 EA	1,200.00 /EA	9,600
70-0200-0100	Step Light, 2 per step, shielded and embedded onto CIP steps, LED lamping	6.00 EA	450.00 /EA	2,700
70-0200-0100	Bench Seat Linear LED Strip Lights, downlight, 24"	83.00 LF	250.00 /LF	20,750
70-0200-0100	Police Call Box Lights, blue LED	3.00 EA	450.00 /EA	1,350
70-0200-0100	Architectural Building Lighting	4.00 EA	4,300.00 /EA	17,200
70-0200-0100	Flood Lighting, LED area light on 14-16' ht straight black pole	3.00 EA	7,500.00 /EA	22,500
70-0200-0100	Corner Icon Lighting	1.00 EA	8,000.00 /EA	8,000
70-0400-0100	Electrical UG to Restaurant Kiosk	39.00 LF	85.00 /LF	3,315
70-0400-0100	Electrical UG to Support Building	63.00 LF	85.00 /LF	5,355
70-0400-0100	Stage Circuit	13.00 LF	35.00 /LF	455
70-0400-0100	Light Circuit	16.00 LF	35.00 /LF	560
70-0400-0100	Vendor Booth Circuit	16.00 LF	55.00 /LF	880
70-0100-0100	Telecom UG Conduit, from existing utility pole, if reqd.	1.00 LS	15,000.00 /LS	15,000
70-0100-0100	Electric J Box	7.00 EA	1,696.00 /EA	11,872
<b>G4000 ELECTRICAL UTILITIES</b>				<b>275,537</b>
<b>G40 ELECTRICAL UTILITIES</b>				<b>275,537</b>
<b>G BUILDING SITEWORK</b>				<b>2,156,823</b>
<b>Z GENERAL REQUIREMENTS</b>				
<b>Z10 GENERAL REQUIREMENTS</b>				
<b>Z1000 GENERAL REQUIREMENTS</b>				
XX-0000-X001	Water Quality Fee-In-Lieu	1.00 LS	30,000.00 /LS	30,000
XX-0000-X001	Regional Detention Fee	1.00 LS	50,000.00 /LS	50,000

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
<b>Z1000 GENERAL REQUIREMENTS</b>				
XX-0000-X001	Site Plan Fees	1.00 LS	3,000.00 /LS	3,000
XX-0000-X001	Landscape Fee	1.00 LS	500.00 /LS	500
XX-0000-X001	Phasing Fee	1.00 LS	315.00 /LS	315
XX-0000-X001	Construction Inspection Fee	1.00 LS	14,000.00 /LS	14,000
XX-0000-X001	Capital Recovery Fees	1.00 LS	3,000.00 /LS	3,000
XX-0000-X001	1704 Determination Fee	1.00 LS	200.00 /LS	200
XX-0000-X001	Contingency on General Fees, 10%	1.00 LS	10,102.00 /LS	10,102
<b>Z1000 GENERAL REQUIREMENTS</b>				<b>111,117</b>
<b>Z10 GENERAL REQUIREMENTS</b>				<b>111,117</b>
<b>Z GENERAL REQUIREMENTS</b>				<b>111,117</b>
<b>200 PARK PROPER</b>				<b>2,267,940</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>201 ROW GUADALUPE PUBLIC TRANSIT CORRIDOR</b>					
<b>G</b>	<b>BUILDING SITEWORK</b>				
<b>G20</b>	<b>SITE IMPROVEMENTS</b>				
<b>G2031</b>	<b>PAVING &amp; SURFACING</b>				
70-0200-0100	Charcoal Unit Paver (Pedestrian)	4,100.00	SF	12.50 /SF	51,250
70-0200-0100	ADA Ramp and Truncated Domes	160.00	SF	15.00 /SF	2,400
70-0200-0100	Leuder Limestone Paving	123.00	SF	14.00 /SF	1,722
70-0200-0100	METRO Platform, 3 Ea. @ 150sf	450.00	SF	105.00 /SF	47,250
70-0200-0100	Charcoal Unit Paver (Vehicular), North Drive	376.00	SF	16.00 /SF	6,016
70-0100-0400	Cut & Remove Curb, at North Drive Entryway	20.00	LF	6.00 /LF	120
70-0100-0100	Light Pole Base	4.00	EA	650.00 /EA	2,600
	<b>G2031 PAVING &amp; SURFACING</b>				<b>111,358</b>
<b>G2042</b>	<b>RETAINING WALLS</b>				
XX-0000-X001	Tube Steel Rail- 1 1/2" diameter tube	204.00	LF	65.00 /LF	13,260
XX-0000-X001	Leaning Rail- Linear rail features extend down most of the eastern street edge	112.00	LF	155.00 /LF	17,360
	<b>G2042 RETAINING WALLS</b>				<b>30,620</b>
<b>G2044</b>	<b>SIGNAGE</b>				
XX-0000-X001	Cap Metro Signage Program	3.00	EA	750.00 /EA	2,250
XX-0000-X001	Banner Program Supports	4.00	EA	600.00 /EA	2,400
XX-0000-X001	Downtown Austin Wayfinding Program (DAWP) Pedestrian Directional	1.00	EA	1,500.00 /EA	1,500
XX-0000-X001	DAWP Bike Parking Icon	1.00	EA	750.00 /EA	750
XX-0000-X001	DAWP Urbanflow or Media Kiosk	1.00	EA	2,500.00 /EA	2,500
	<b>G2044 SIGNAGE</b>				<b>9,400</b>
<b>G2045</b>	<b>SITE FURNISHINGS</b>				
70-0100-0100	Trash Can (Per Great Streets or Cap Metro Standard)	5.00	EA	1,200.00 /EA	6,000
70-0100-0100	Bike Corral (fits 10-12 bicycles)- Creative pipe gauntlet rack, angled tubes, surface mount.	1.00	EA	2,500.00 /EA	2,500
70-0100-0100	Bike Rack (Per Great Streets Standard)	2.00	EA	1,200.00 /EA	2,400
70-0100-0100	Removable Bollard (Bollard Solutions), stainless steel tube, at North Drive Entryway	1.00	EA	1,500.00 /EA	1,500
	<b>G2045 SITE FURNISHINGS</b>				<b>12,400</b>
<b>G2050</b>	<b>LANDSCAPING</b>				
70-0100-0100	Airspade for decompaction, assumed 6" depth , amend with compost	780.00	SF	5.00 /SF	3,900
200	Mulch, 4", at airspaded areas	780.00	SF	0.50 /SF	390
X001	Hardy Foundation Plantings, 1 gal.	644.00	SF	6.00 /SF	3,864
10-0000-0400	Plant Bed Preparation	644.00	SF	0.45 /SF	290
200	Root Pruning	224.00	LF	25.00 /LF	5,600
	<b>G2050 LANDSCAPING</b>				<b>14,044</b>
<b>G2057</b>	<b>IRRIGATION SYSTEM</b>				
XX-0000-X001	Drip Irrigation at Plant Beds, installed with airspade	644.00	SF	1.25 /SF	805
	<b>G2057 IRRIGATION SYSTEM</b>				<b>805</b>
	<b>G20 SITE IMPROVEMENTS</b>				<b>178,627</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>G40</b>	<b>ELECTRICAL UTILITIES</b>				
<b>G4000</b>	<b>ELECTRICAL UTILITIES</b>				
70-0200-0100	Street Lights- Great Streets, pole light w/ painted black & 2 banner arms w/ optional pedestrian light	4.00	EA	7,500.00 /EA	30,000
70-0200-0100	METRO Stop Lighting	3.00	EA	7,500.00 /EA	22,500
70-0200-0100	Street Light Pole Circuits	290.00	LF	30.00 /LF	8,700
	<b>G4000 ELECTRICAL UTILITIES</b>				<b>61,200</b>
	<b>G40 ELECTRICAL UTILITIES</b>				<b>61,200</b>
	<b>G BUILDING SITEWORK</b>				<b>239,827</b>
<b>Z</b>	<b>GENERAL REQUIREMENTS</b>				
<b>Z10</b>	<b>GENERAL REQUIREMENTS</b>				
<b>Z1000</b>	<b>GENERAL REQUIREMENTS</b>				
XX-0000-X001	Traffic and Pedestrian Control	1.00	LS	2,000.00 /LS	2,000
	<b>Z1000 GENERAL REQUIREMENTS</b>				<b>2,000</b>
	<b>Z10 GENERAL REQUIREMENTS</b>				<b>2,000</b>
	<b>Z GENERAL REQUIREMENTS</b>				<b>2,000</b>
	<b>201 ROW GUADALUPE PUBLIC TRANSIT CORRIDOR</b>				<b>241,827</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>202 ROW 4TH STREET CORRIDOR</b>					
<b>G BUILDING SITEWORK</b>					
<b>G20 SITE IMPROVEMENTS</b>					
<b>G2031 PAVING &amp; SURFACING</b>					
70-0200-0100	Charcoal Unit Paver (Pedestrian)	4,568.00	SF	12.50 /SF	57,100
70-0200-0100	Crushed Stone Surface	333.00	SF	4.50 /SF	1,499
70-0200-0100	ADA Ramp and Truncated Domes	160.00	SF	15.00 /SF	2,400
70-0200-0100	Leuder Limestone Paving	52.00	SF	14.00 /SF	728
70-0200-0100	METRO Platform, 3 Ea.	150.00	SF	105.00 /SF	15,750
70-0200-0100	Charcoal Unit Paver (Vehicular), South Drive	302.00	SF	16.00 /SF	4,832
70-0100-0400	Cut & Remove Curb, at South Drive Entryway	20.00	LF	6.00 /LF	120
70-0100-0400	Curb & Gutter along 4th Street	325.00	LF	20.00 /LF	6,500
70-0100-0100	Light Pole Base	4.00	EA	650.00 /EA	2,600
<b>G2031 PAVING &amp; SURFACING</b>					<b>91,529</b>
<b>G2040 SITE DEVELOPMENT</b>					
70-0100-0400	Parking Spaces, Standard Striping	6.00	EA	30.00 /EA	180
70-0100-0400	Parking Spaces, Handicap Striping	1.00	EA	250.00 /EA	250
<b>G2040 SITE DEVELOPMENT</b>					<b>430</b>
<b>G2042 RETAINING WALLS</b>					
XX-0000-X001	Tube Steel Rail- 1 1/2" diameter tube	200.00	LF	65.00 /LF	13,000
<b>G2042 RETAINING WALLS</b>					<b>13,000</b>
<b>G2044 SIGNAGE</b>					
XX-0000-X001	Auction Oaks Information Sign	1.00	EA	750.00 /EA	750
XX-0000-X001	Cap Metro Signage Program	1.00	EA	750.00 /EA	750
XX-0000-X001	Banner Program Supports	4.00	EA	600.00 /EA	2,400
XX-0000-X001	Parking Pay Station	1.00	EA	2,500.00 /EA	2,500
XX-0000-X001	DAWP Bike Parking Icon	2.00	EA	750.00 /EA	1,500
XX-0000-X001	Valet Parking Regulatory Sign	1.00	EA	750.00 /EA	750
XX-0000-X001	ADA Parking Sign	1.00	EA	175.00 /EA	175
<b>G2044 SIGNAGE</b>					<b>8,825</b>
<b>G2045 SITE FURNISHINGS</b>					
70-0100-0100	Trash Can (Per Great Streets or Cap Metro Standard)	2.00	EA	1,200.00 /EA	2,400
70-0100-0100	Removable Bollard (Bollard Solutions), stainless steel tube, at South Drive Entryway	1.00	EA	1,500.00 /EA	1,500
70-0100-0100	Bench (Per Great Streets Standard)	2.00	EA	2,000.00 /EA	4,000
70-0100-0100	Parking Meter (Per City Standard), by CITY	1.00	EA		
70-0100-0100	Police Call Box	1.00	EA	1,500.00 /EA	1,500
<b>G2045 SITE FURNISHINGS</b>					<b>9,400</b>
<b>G2050 LANDSCAPING</b>					
70-0100-0100	Airspade for decompaction, assumed 6" depth , amend with compost	1,301.00	SF	5.00 /SF	6,505
200	Mulch, 4", at airspaded areas	1,301.00	SF	0.50 /SF	651
X001	Creek Edge and Bank Planting	866.00	SF	6.00 /SF	5,196
10-0000-0400	Plant Bed Preparation	866.00	SF	0.45 /SF	390
200	Root Barrier	242.00	LF	3.50 /LF	847
200	Root Pruning	242.00	LF	25.00 /LF	6,050
200	Move, offsite existing limestone block and chain link fence at Auction Oaks	71.00	LF	50.00 /LF	3,550

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>G2050 LANDSCAPING</b>					<b>23,188</b>
<b>G2057 IRRIGATION SYSTEM</b>					
XX-0000-X002	Subsurface Drip line at 4" below surface for shrub beds, installed with airspade	932.00	SF	0.55 /SF	513
<b>G2057 IRRIGATION SYSTEM</b>					<b>513</b>
<b>G20 SITE IMPROVEMENTS</b>					<b>146,884</b>
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					
<b>G3030 STORM SEWER</b>					
70-0100-0100	Cut and Patch Street	1.00	LS	5,000.00 /LS	5,000
70-0100-0100	18" Storm Sewer Line at 4th street	63.00	LF	55.00 /LF	3,465
70-0100-0100	Tie to Existing Drainage System	1.00	EA	2,500.00 /EA	2,500
<b>G3030 STORM SEWER</b>					<b>10,965</b>
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					<b>10,965</b>
<b>G40 ELECTRICAL UTILITIES</b>					
<b>G4000 ELECTRICAL UTILITIES</b>					
70-0200-0100	Street Lights- Great Streets, pole light w/ painted black & 2 banner arms w/ optional pedestrian light	4.00	EA	7,500.00 /EA	30,000
70-0200-0100	Police Call Box Lights, blue LED	1.00	EA	850.00 /EA	850
70-0200-0100	METRO Stop Lighting	1.00	EA	7,500.00 /EA	7,500
70-0400-0100	Street Light Circuits	310.00	LF	30.00 /LF	9,300
<b>G4000 ELECTRICAL UTILITIES</b>					<b>47,650</b>
<b>G40 ELECTRICAL UTILITIES</b>					<b>47,650</b>
<b>G BUILDING SITEWORK</b>					<b>205,499</b>
<b>Z GENERAL REQUIREMENTS</b>					
<b>Z10 GENERAL REQUIREMENTS</b>					
<b>Z1000 GENERAL REQUIREMENTS</b>					
XX-0000-X001	Traffic and Pedestrian Control	1.00	LS	5,000.00 /LS	5,000
<b>Z1000 GENERAL REQUIREMENTS</b>					<b>5,000</b>
<b>Z10 GENERAL REQUIREMENTS</b>					<b>5,000</b>
<b>Z GENERAL REQUIREMENTS</b>					<b>5,000</b>
<b>202 ROW 4TH STREET CORRIDOR</b>					<b>210,499</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>203 ROW FEDERAL COURTHOUSE PLAZA</b>					
<b>G BUILDING SITEWORK</b>					
<b>G10 SITE PREPARATION</b>					
<b>G1030 EARTHWORK</b>					
70-0100-0100	Airspade for decompaction, assumed 6" depth , amend with compost	3,033.00	SF	5.00 /SF	15,165
70-0100-0100	Root Tunnels to connect healthy soils, airspade, 24" x 24"	20.00	LF	5.00 /LF	100
<b>G1030 EARTHWORK</b>					<b>15,265</b>
<b>G10 SITE PREPARATION</b>					<b>15,265</b>
<b>G20 SITE IMPROVEMENTS</b>					
<b>G2031 PAVING &amp; SURFACING</b>					
70-0200-0100	Charcoal Unit Paver (Pedestrian)	1,234.00	SF	12.50 /SF	15,425
70-0200-0100	Charcoal Unit Paver (50% pervious)	1,204.00	SF	12.50 /SF	15,050
70-0200-0100	Crushed Stone Surface	2,021.00	SF	4.50 /SF	9,095
70-0200-0100	Leuder Limestone Paving	106.00	SF	14.00 /SF	1,484
<b>G2031 PAVING &amp; SURFACING</b>					<b>41,054</b>
<b>G2042 RETAINING WALLS</b>					
XX-0000-X001	Tube Steel Rail- 1 1/2" diameter tube	277.00	LF	65.00 /LF	18,005
70-0100-0100	Barrier Wall at North Plaza	25.00	LF	150.00 /LF	3,750
70-0100-0100	Barrier Wall at South Plaza	13.00	LF	150.00 /LF	1,950
<b>G2042 RETAINING WALLS</b>					<b>23,705</b>
<b>G2045 SITE FURNISHINGS</b>					
70-0100-0100	Bike Corral (fits 10-12 bicycles)- Creative pipe gauntlet rack, angled tubes, surface mount.	1.00	EA	2,500.00 /EA	2,500
70-0100-0100	Park Table- Landscape forms, 30" round version, ivy color	7.00	EA	1,200.00 /EA	8,400
70-0100-0100	Park Chair- Landscapeforms, ivy color, 4 per table	28.00	EA	400.00 /EA	11,200
<b>G2045 SITE FURNISHINGS</b>					<b>22,100</b>
<b>G2050 LANDSCAPING</b>					
200	Mulch, 4", at airspaded areas	3,033.00	SF	0.50 /SF	1,517
X001	Hardy Foundation Plantings, 1 gal.	620.00	SF	6.00 /SF	3,720
X001	Wildflower and Short Grass Meadow	860.00	SF	3.50 /SF	3,010
10-0000-0400	Plant Bed Preparation	1,480.00	SF	0.45 /SF	666
200	Root Pruning	123.00	LF	25.00 /LF	3,075
<b>G2050 LANDSCAPING</b>					<b>11,988</b>
<b>G2057 IRRIGATION SYSTEM</b>					
XX-0000-X001	Drip Irrigation at meadow, 4" subsurface irrigation, installed by hand	860.00	SF	1.25 /SF	1,075
XX-0000-X002	Subsurface Drip line at 4" below surface for shrub beds	620.00	SF	0.55 /SF	341
<b>G2057 IRRIGATION SYSTEM</b>					<b>1,416</b>
<b>G20 SITE IMPROVEMENTS</b>					<b>100,262</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					
<b>G3020 SANITARY SEWER</b>					
70-0300-0100	6" PVC Wastewater Line	11.00	LF	50.00 /LF	550
70-0400-0100	Connect to Existing Wastewater System at New Manhole	1.00	EA	4,700.00 /EA	4,700
70-0400-0100	New Manhole w/ coating	1.00	EA	5,000.00 /EA	5,000
<b>G3020 SANITARY SEWER</b>					<b>10,250</b>
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					<b>10,250</b>
<b>G40 ELECTRICAL UTILITIES</b>					
<b>G4000 ELECTRICAL UTILITIES</b>					
70-0200-0100	Custom Pole Lights, 4" dia heavy wall steel pole w/ 3 LED fixtures	5.00	EA	5,200.00 /EA	26,000
70-0200-0100	Police Call Box Lights, blue LED	1.00	EA	850.00 /EA	850
70-0200-0100	Architectural Building Lighting, west of kiosk	1.00	EA	4,300.00 /EA	4,300
70-0400-0100	Plaza Lighting Circuits incl. 8 outlets	190.00	LF	30.00 /LF	5,700
<b>G4000 ELECTRICAL UTILITIES</b>					<b>36,850</b>
<b>G40 ELECTRICAL UTILITIES</b>					<b>36,850</b>
<b>G BUILDING SITEWORK</b>					<b>162,627</b>
<b>203 ROW FEDERAL COURTHOUSE PLAZA</b>					<b>162,627</b>

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
<b>204 ROW 5TH STREET CORRIDOR</b>					
<b>G BUILDING SITEWORK</b>					
<b>G10 SITE PREPARATION</b>					
<b>G1030 EARTHWORK</b>					
70-0100-0100	Airspade for decompaction, assumed 6" depth , amend with compost	2,403.00	SF	5.00 /SF	12,015
					12,015
					12,015
<b>G20 SITE IMPROVEMENTS</b>					
<b>G2031 PAVING &amp; SURFACING</b>					
70-0200-0100	Charcoal Unit Paver (Pedestrian)	685.00	SF	12.50 /SF	8,563
70-0200-0100	Charcoal Unit Paver (50% pervious)	1,604.00	SF	12.50 /SF	20,050
70-0200-0100	ADA Ramp and Truncated Domes	80.00	SF	15.00 /SF	1,200
70-0200-0100	Leuder Limestone Paving	80.00	SF	14.00 /SF	1,120
70-0200-0100	Charcoal Unit Paver (Vehicular), North Drive	216.00	SF	16.00 /SF	3,456
70-0100-0400	Cut & Remove Curb, at North Drive Entryway	20.00	LF	6.00 /LF	120
70-0100-0400	Curb & Gutter along 5th Street	225.00	LF	20.00 /LF	4,500
70-0100-0400	Remove & Replace Pavement	340.00	SY	75.00 /SY	25,500
70-0100-0100	Light Pole Base	4.00	EA	650.00 /EA	2,600
					67,109
<b>G2040 SITE DEVELOPMENT</b>					
70-0100-0400	Parking Spaces, Standard Striping	7.00	EA	30.00 /EA	210
					210
<b>G2042 RETAINING WALLS</b>					
XX-0000-X001	Tube Steel Rail- 1 1/2" diameter tube	252.00	LF	65.00 /LF	16,380
					16,380
<b>G2044 SIGNAGE</b>					
XX-0000-X001	Cap Metro Signage Program	1.00	EA	750.00 /EA	750
XX-0000-X001	Kiosk Parking Regulatory Sign	1.00	EA	750.00 /EA	750
XX-0000-X001	Banner Program Supports	4.00	EA	600.00 /EA	2,400
XX-0000-X001	Parking Pay Station	1.00	EA	2,500.00 /EA	2,500
XX-0000-X001	Downtown Austin Wayfinding Program (DAWP)	1.00	EA	1,500.00 /EA	1,500
XX-0000-X001	Pedestrian Directional				
XX-0000-X001	Valet Parking Regulatory Sign	2.00	EA	750.00 /EA	1,500
					9,400
<b>G2045 SITE FURNISHINGS</b>					
70-0100-0100	Park ATM- A free-standing ATM, kiosk west, Infrastructure Only, Kiosk by Vendor	1.00	EA	1,500.00 /EA	1,500
70-0100-0100	Trash Can (Per Great Streets or Cap Metro Standard)	1.00	EA	1,200.00 /EA	1,200
70-0100-0100	Bike Rack (Per Great Streets Standard)	4.00	EA	1,200.00 /EA	4,800
70-0100-0100	Removable Bollard (Bollard Solutions), stainless steel tube, at North Drive Entryway	1.00	EA	1,500.00 /EA	1,500
70-0100-0100	Bench (Per Great Streets Standard)	1.00	EA	2,000.00 /EA	2,000
70-0100-0100	Parking Meter (Per City Standard), by CITY	1.00	EA		

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
<b>11,000</b>					
<b>G2045 SITE FURNISHINGS</b>					
<b>G2050 LANDSCAPING</b>					
200	Mulch, 4", at airspaded areas	2,403.00	SF	0.50 /SF	1,202
X001	Hardy Foundation Plantings, 1 gal.	840.00	SF	6.00 /SF	5,040
10-0000-0400	Plant Bed Preparation	840.00	SF	0.45 /SF	378
200	Root Pruning	196.00	LF	25.00 /LF	4,900
					11,520
<b>G2057 IRRIGATION SYSTEM</b>					
XX-0000-X002	Subsurface Drip line at 4" below surface for shrub beds, installed by airspade	840.00	SF	0.55 /SF	462
					462
<b>G20 SITE IMPROVEMENTS</b>					
<b>116,080</b>					
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					
<b>G3010 WATER SUPPLY</b>					
10-0000-0400	New Potable Water Service Connections	2.00	EA	3,500.00 /EA	7,000
10-0000-0400	Future Connection to a reclaimed water line	1.00	EA	2,500.00 /EA	2,500
10-0000-0400	1.5" Potable Water Line to Kiosk Meter	30.00	LF	16.00 /LF	480
10-0000-0400	Proposed Reclaimed Water line to Irrigation Meter	40.00	LF	14.00 /LF	560
10-0000-0400	1" Water Line to Irrigation Meter	10.00	LF	14.00 /LF	140
10-0000-0400	Irrigation Meter	1.00	EA	600.00 /EA	600
10-0000-0400	Kiosk Meter	1.00	EA	500.00 /EA	500
10-0000-0400	Restroom Meter	1.00	EA	400.00 /EA	400
10-0000-0400	Potable Water Service to Restaurant Kiosk from Meter	20.00	LF	14.00 /LF	280
10-0000-0400	Potable Water Service to Support Building	30.00	LF	14.00 /LF	420
70-0400-0100	Street Cut & Patch	1.00	LS	5,000.00 /LS	5,000
					17,880
<b>G3060 GAS DISTRIBUTION</b>					
XX-0000-X001	New Gas Service to Food Kiosk	10.00	LF	14.62 /LF	146
					146
<b>G30 CIVIL/MECHANICAL UTILITIES</b>					
<b>18,026</b>					
<b>G40 ELECTRICAL UTILITIES</b>					
<b>G4000 ELECTRICAL UTILITIES</b>					
70-0200-0100	Street Lights- Great Streets, pole light w/ painted black & 2 banner arms w/ optional pedestrian light	4.00	EA	7,500.00 /EA	30,000
70-0200-0100	Police Call Box Lights, blue LED	1.00	EA	850.00 /EA	850
70-0200-0100	Architectural Building Lighting, west of kiosk	1.00	EA	4,300.00 /EA	4,300
70-0400-0100	Street Light Circuits	290.00	LF	30.00 /LF	8,700
					43,850
<b>G40 ELECTRICAL UTILITIES</b>					
					43,850
<b>G BUILDING SITEWORK</b>					
<b>189,971</b>					
<b>Z GENERAL REQUIREMENTS</b>					
<b>Z10 GENERAL REQUIREMENTS</b>					



Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
G2031	PAVING & SURFACING				
XX-0000-X001	Traffic and Pedestrian Control	1.00 LS	5,000.00 /LS		5,000
	G2031 PAVING & SURFACING				5,000
	Z10 GENERAL REQUIREMENTS				5,000
	Z GENERAL REQUIREMENTS				5,000
	<b>204 ROW 5TH STREET CORRIDOR</b>				<b>194,971</b>

Estimate Totals				
Description	Amount	Totals	Rate	Percent of Total
Labor				
Material				
Subcontract	3,077,864			74.68%
Equipment				
Other				
<b>Total Direct Cost</b>	<b>3,077,864</b>	<b>3,077,864</b>		<b>74.68</b>
GENERAL REQUIREMENTS	92,336		3.000 %	2.24%
GENERAL CONDITIONS	230,840		7.500 %	5.60%
<b>Subtotal</b>	<b>323,176</b>	<b>3,401,040</b>		<b>7.84</b>
GENERAL LIABILITY	26,188		0.770 %	0.64%
BUILDERS RISK	2,913		0.085 %	0.07%
BOND	40,659			0.99%
<b>Subtotal</b>	<b>69,760</b>	<b>3,470,800</b>		<b>1.69</b>
CONTRACTORS FEE	112,801		3.250 %	2.74%
<b>Subtotal</b>	<b>112,801</b>	<b>3,583,601</b>		<b>2.74</b>
CONTINGENCY	537,540		15.000 %	13.04%
<b>Total</b>		<b>4,121,141</b>		





Farmers Market, Republic Square (Photo by Michael Knox)



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357753  
 Customer Sample ID: 001  
 Crop Grown: LAWN

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
 Printed on: 4/19/2012  
 Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.0	(6.2)	-	Mod. Alkaline							
Conductivity	272	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	12	(-)	ppm								0.4 lbs N/1000sqft
Phosphorus	28	(50)	ppm								1.2 lbs P2O5/1000sqft
Potassium	281	(175)	ppm								0 lbs K2O/1000sqft
Calcium	5,785	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	356	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	20	(13)	ppm								0 lbs S/1000sqft
Sodium	22	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	3.84		%								

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

Nitrogen: Apply an additional 1 lb N/1000 sqft during late summer (St. Augustine grass), mid-summer and early fall (common bermuda grass and zoysia grass) and every 6-8 weeks for hybrid bermuda grass.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.15g



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357753  
 Customer Sample ID: 001  
 Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
 Printed on: 4/19/2012  
 Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.0	(6)	-	Mod. Alkaline							
Conductivity	272	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	12	(-)	ppm								0.9 lbs N/1000sqft
Phosphorus	28	(50)	ppm								1.2 lbs P2O5/1000sqft
Potassium	281	(175)	ppm								0 lbs K2O/1000sqft
Calcium	5,785	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	356	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	20	(13)	ppm								0 lbs S/1000sqft
Sodium	22	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	3.84		%								

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

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<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.15g



Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357754  
Customer Sample ID: 002  
Crop Grown: LAWN

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(6.2)	-	Mod. Alkaline								
Conductivity	192	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	0	(-)	ppm									0.9 lbs N/1000sqft
Phosphorus	39	(50)	ppm									0.6 lbs P2O5/1000sqft
Potassium	325	(175)	ppm									0 lbs K2O/1000sqft
Calcium	5,842	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	365	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	12	(13)	ppm									0.25 lbs S/1000sqft
Sodium	41	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	1.94		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

**Nitrogen:** Apply an additional 1 lb N/1000 sqft during late summer (St. Augustine grass), mid-summer and early fall (common bermuda grass and zoysia grass) and every 6-8 weeks for hybrid bermuda grass.

**Sulfur:** Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357754  
Customer Sample ID: 002  
Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(6)	-	Mod. Alkaline								
Conductivity	192	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	0	(-)	ppm									1.4 lbs N/1000sqft
Phosphorus	39	(50)	ppm									0.6 lbs P2O5/1000sqft
Potassium	325	(175)	ppm									0 lbs K2O/1000sqft
Calcium	5,842	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	365	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	12	(13)	ppm									0.25 lbs S/1000sqft
Sodium	41	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	1.94		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

**Sulfur:** Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

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<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357755  
Customer Sample ID: 003  
Crop Grown: LAWN

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.5	(6.2)	-	Mod. Alkaline								
Conductivity	128	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	0	(-)	ppm									0.9 lbs N/1000sqft
Phosphorus	1	(50)	ppm									2.9 lbs P2O5/1000sqft
Potassium	98	(175)	ppm									1.3 lbs K2O/1000sqft
Calcium	33,672	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	417	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	26	(13)	ppm									0 lbs S/1000sqft
Sodium	23	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	0.93		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

**Nitrogen:** Apply an additional 1 lb N/1000 sqft during late summer (St. Augustine grass), mid-summer and early fall (common bermuda grass and zoysia grass) and every 6-8 weeks for hybrid bermuda grass.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357755  
Customer Sample ID: 003  
Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.5	(6)	-	Mod. Alkaline								
Conductivity	128	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	0	(-)	ppm									1.4 lbs N/1000sqft
Phosphorus	1	(50)	ppm									2.9 lbs P2O5/1000sqft
Potassium	98	(175)	ppm									1.3 lbs K2O/1000sqft
Calcium	33,672	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	417	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	26	(13)	ppm									0 lbs S/1000sqft
Sodium	23	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	0.93		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357756  
 Customer Sample ID: 004  
 Crop Grown: LAWN

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
 Printed on: 4/19/2012  
 Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.2	(6.2)	-	Mod. Alkaline								
Conductivity	182	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	2	(-)	ppm									0.8 lbs N/1000sqft
Phosphorus	14	(50)	ppm									2.1 lbs P2O5/1000sqft
Potassium	205	(175)	ppm									0 lbs K2O/1000sqft
Calcium	5,761	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	348	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	12	(13)	ppm									0.25 lbs S/1000sqft
Sodium	29	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	1.86		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

**Nitrogen:** Apply an additional 1 lb N/1000 sqft during late summer (St. Augustine grass), mid-summer and early fall (common bermuda grass and zoysia grass) and every 6-8 weeks for hybrid bermuda grass.

**Sulfur:** Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357756  
 Customer Sample ID: 004  
 Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
 Printed on: 4/19/2012  
 Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.2	(6)	-	Mod. Alkaline								
Conductivity	182	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	2	(-)	ppm									1.3 lbs N/1000sqft
Phosphorus	14	(50)	ppm									2.1 lbs P2O5/1000sqft
Potassium	205	(175)	ppm									0 lbs K2O/1000sqft
Calcium	5,761	(180)	ppm									0 lbs Ca/1000sqft
Magnesium	348	(50)	ppm									0 lbs Mg/1000sqft
Sulfur	12	(13)	ppm									0.25 lbs S/1000sqft
Sodium	29	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 lbs/1000sqft
Organic Matter	1.86		%									

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

**Sulfur:** Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357757  
 Customer Sample ID: 005

Crop Grown: SHADE TREES

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(6)	-	Mod. Alkaline							
Conductivity	200	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	4	(-)	ppm								1.3 lbs N/1000sqft
Phosphorus	14	(50)	ppm								2.1 lbs P2O5/1000sqft
Potassium	280	(175)	ppm								0 lbs K2O/1000sqft
Calcium	9,131	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	266	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	23	(13)	ppm								0 lbs S/1000sqft
Sodium	16	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	2.32		%								

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/lot water by ICP.

ProAnalysisVer. 2.19g



Report generated for:  
 Philip Koske  
 Austin Parks and Recreation  
 801 Congress, Suite 330  
 Austin, TX 78701

Travis County  
 Laboratory Number: 357758  
 Customer Sample ID: 006

Crop Grown: SHADE TREES

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(6)	-	Mod. Alkaline							
Conductivity	173	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	3	(-)	ppm								1.3 lbs N/1000sqft
Phosphorus	34	(50)	ppm								0.9 lbs P2O5/1000sqft
Potassium	246	(175)	ppm								0 lbs K2O/1000sqft
Calcium	7,660	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	235	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	15	(13)	ppm								0 lbs S/1000sqft
Sodium	7	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	3.46		%								

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

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<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/lot water by ICP.

ProAnalysisVer. 2.19g





Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357759  
Customer Sample ID: 007  
Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(6)	-	Mod. Alkaline							
Conductivity	158	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	0	(-)	ppm								1.4 lbs N/1000sqft
Phosphorus	5	(50)	ppm								2.6 lbs P2O5/1000sqft
Potassium	158	(175)	ppm								0.2 lbs K2O/1000sqft
Calcium	5,717	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	198	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	12	(13)	ppm								0.25 lbs S/1000sqft
Sodium	40	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	1.46		%								

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended.

Sulfur: Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer 2.19g



Report generated for:  
Philip Koske  
Austin Parks and Recreation  
801 Congress, Suite 330  
Austin, TX 78701

Travis County  
Laboratory Number: 357760  
Customer Sample ID: 008  
Crop Grown: SHADE TREES

### Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 4/13/2012  
Printed on: 4/19/2012  
Area Represented: 10890 sqft

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.3	(6)	-	Mod. Alkaline							
Conductivity	190	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	1	(-)	ppm								1.4 lbs N/1000sqft
Phosphorus	14	(50)	ppm								2.1 lbs P2O5/1000sqft
Potassium	204	(175)	ppm								0 lbs K2O/1000sqft
Calcium	8,426	(180)	ppm								0 lbs Ca/1000sqft
Magnesium	392	(50)	ppm								0 lbs Mg/1000sqft
Sulfur	14	(13)	ppm								0 lbs S/1000sqft
Sodium	43	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement											0.00 lbs/1000sqft
Organic Matter	2.49		%								

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