

PUBLIC NOTICE

AGENDA

LOCKHART CITY COUNCIL

SPECIAL MEETING/WORKSHOP

WEDNESDAY, FEBRUARY 27, 2019

**CLARK LIBRARY ANNEX-COUNCIL CHAMBERS
217 SOUTH MAIN STREET, 3rd FLOOR
LOCKHART, TEXAS**

6:30 P.M.

1. **CALL TO ORDER**
Mayor Lew White
2. **DISCUSSION/ACTION ITEMS**
A. Discussion and/or action to consider implementing the Parks Master Plan.
3. **ADJOURNMENT**

I certify that the above notice of meeting was posted on the bulletin board in the Municipal Building, 308 West San Antonio Street, Lockhart, Texas, on the 22nd day of February 2019 at 10:00 a.m.. I further certify that the following News Media was properly notified of this meeting as stated above: Lockhart Post-Register

Connie Constancio

Connie Constancio, TRMC
City Secretary



CITY OF LOCKHART

FEBRUARY 27, 2019

PARKS, RECREATION AND OPEN SPACE MASTER PLAN

“IMPLEMENTATION”

EXECUTIVE SUMMARY KEY PRIORITIES

- Walking, hiking, cycling, swimming, baseball were all popular recreation activities in which residents currently participate.
- Aquatics, trails and playgrounds were the most requested facilities.
- A high priority was placed on renovation of existing facilities.
- A recreation center was identified as a new facility desired for the community.
- Most survey participants determined a high priority should be placed on parks and trails within Lockhart.

EXECUTIVE STATEMENT

Generally, the parks in Lockhart are functional, yet many features and amenities are aging and in need of updates or replacement in order to meet current standards and expectations. At the direction of stakeholder input, focus of this plan was placed on bringing current parks up-to-date with new modern amenities.

PARKS INVENTORY AND CLASSIFICATIONS

Inventory & Analysis 01

The Lockhart Parks System - Table of Amenities Functional Classification System

The parks are generally grouped into a functional classification system as follows:

- Neighborhood Parks(N) - small parks focused on providing passive recreation opportunities within a 1/2 mile radius (15 minute walk). Typical amenities include playgrounds, walking paths, picnic areas and open space.
- Community Parks(C) - larger parks that serve the entire community. These parks have an effective service area of 1 mile (5 minute drive) or more and provide amenities such as sports fields, aquatics facilities and event space.

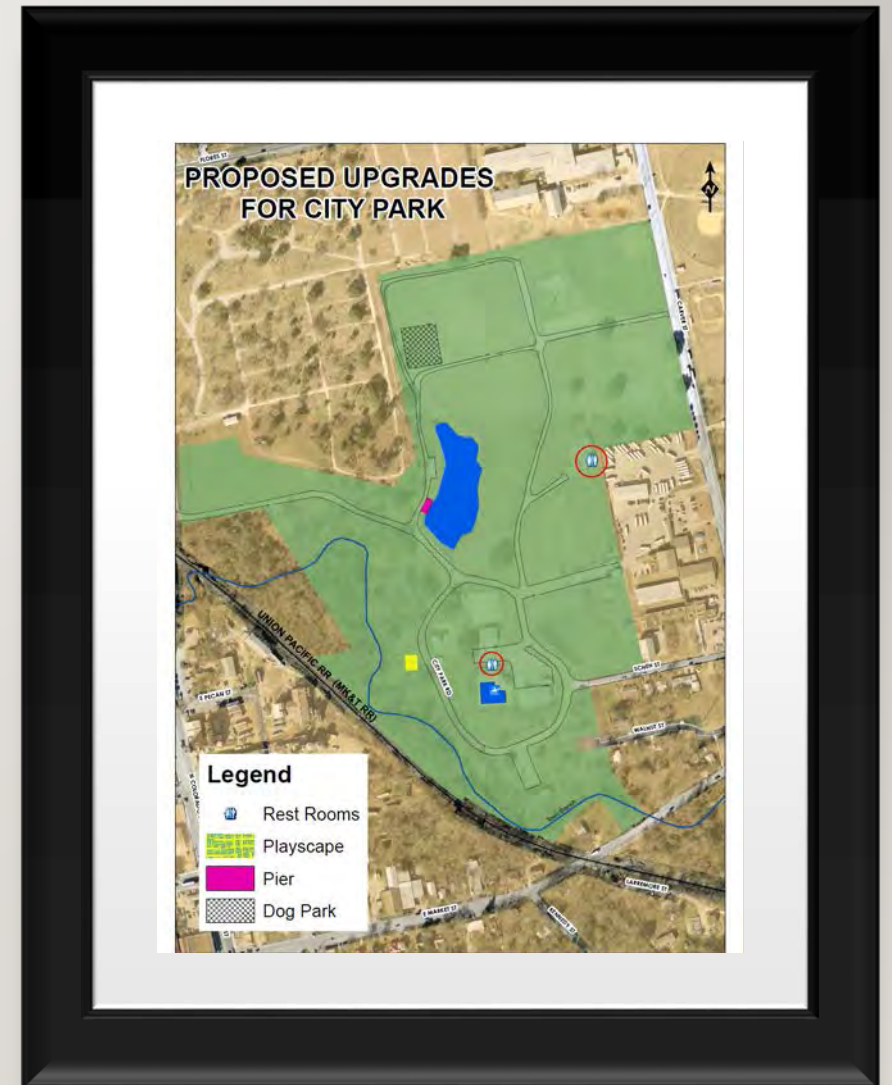
Park Facility Name	Location	Acres	Year Developed	Park Classification	Amphitheaters	Baseball/Softball Diamonds	Basketball Goals	BBQ Grills	Benches	Concession Buildings	Disc Golf Hoops	Fishing Piers	Restrooms	Pavilions	Picnic Tables	Playgrounds	Skateparks	Soccer/Football Fields	Swimming Pools	Trails/Pathways (in miles)	Parking Spaces	Bike Racks	Drinking Fountain	Splash Pad	Picnic Shelter	
Braun Park	Summerside Avenue	7.00		N				1	3				1		4							9	1		1	
City Park	504 E. City Park Road	52.94	1973	C	1	1	4	7	16		1	2	1	4	36	2	1		1		150		4	1	8	
Jason K. LaFleur Soccer Complex	1507 Maple Street	28.52		C			4		3	1			1	3	5	1		7		0.17	170					
Lions Park	S. Colorado Street	3.47	Mid-1960's	C				3					1	2	9	2					12				2	
Lockhart Youth Sports Complex	1505 E. Market Street	34.51	1989	C		5				1			1		7	1		1			72		2			
Navarro Springs Park	800 N. Blanco Street	3.49		N				2	4						7	1				0.18	25		1		1	
Nueces Park	Bois D' Arc Street	2.21	1940's	N			4						1		3	2									1	
Pecos Park	Pecos Street	2.83	Late-1970's	N			2	3						1	6	2									1	2
Santos Arredondo Park	500 N. Commerce Street	1.47		N					3						9	1				0.12	12					
Comanche Ridge Park	3800 FM 20	8.29	Undeveloped	C																						
Total		144.74			1	6	14	16	29	2	1	2	5	10	86	12	1	8	1	0.47	450	1	9	1	14	

Classification Legend: (*includes developed and undeveloped acreage)
C - Community Park
N - Neighborhood Park

CITY PARK

COMMUNITY

- Dog Park
- Playscape
- Lighting Upgrades
- Roads
- Restroom Upgrades
- Security System



CITY PARK DOG PARK



CITY PARK

PLAYSCAPES (INTEGRATED SHADE VS ADDED SHADE)

- Integrated Shade



- Added Shade



CITY PARK

PLAYSCAPE SURFACING/FALL MATERIAL (ENGINEERED WOOD FIBER VS POUR IN PLACE)

ENGINEERED WOOD FIBER

- \$3.00 per square foot



POUR IN PLACE

- \$20.00 per square foot



CITY PARK

LIGHTS AND ROAD UPGRADES

LIGHTING IMPROVEMENTS

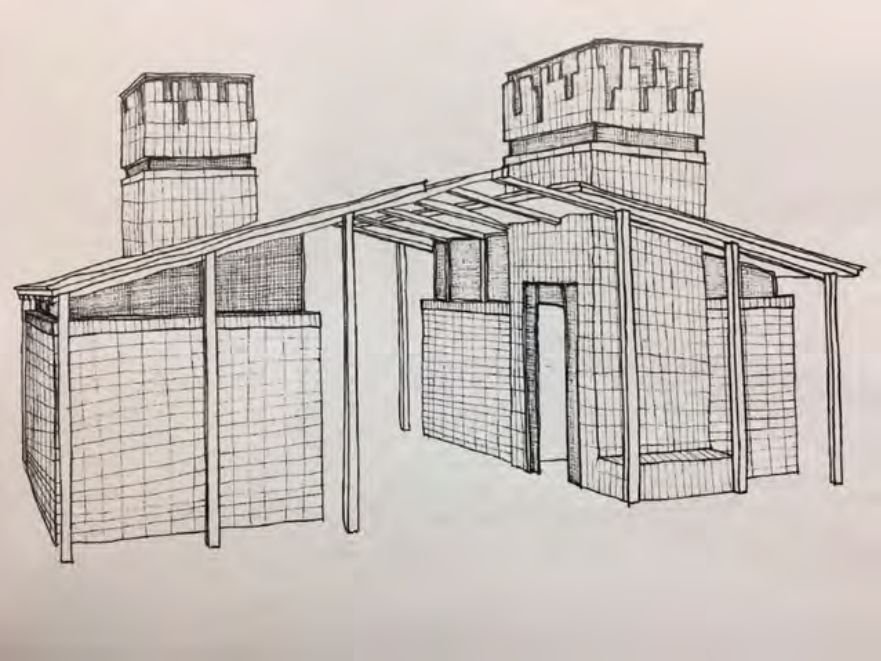


ROAD REPAIR



CITY PARK

RESTROOM UPGRADES AND SECURITY SYSTEM



SPORTS COMPLEX COMMUNITY

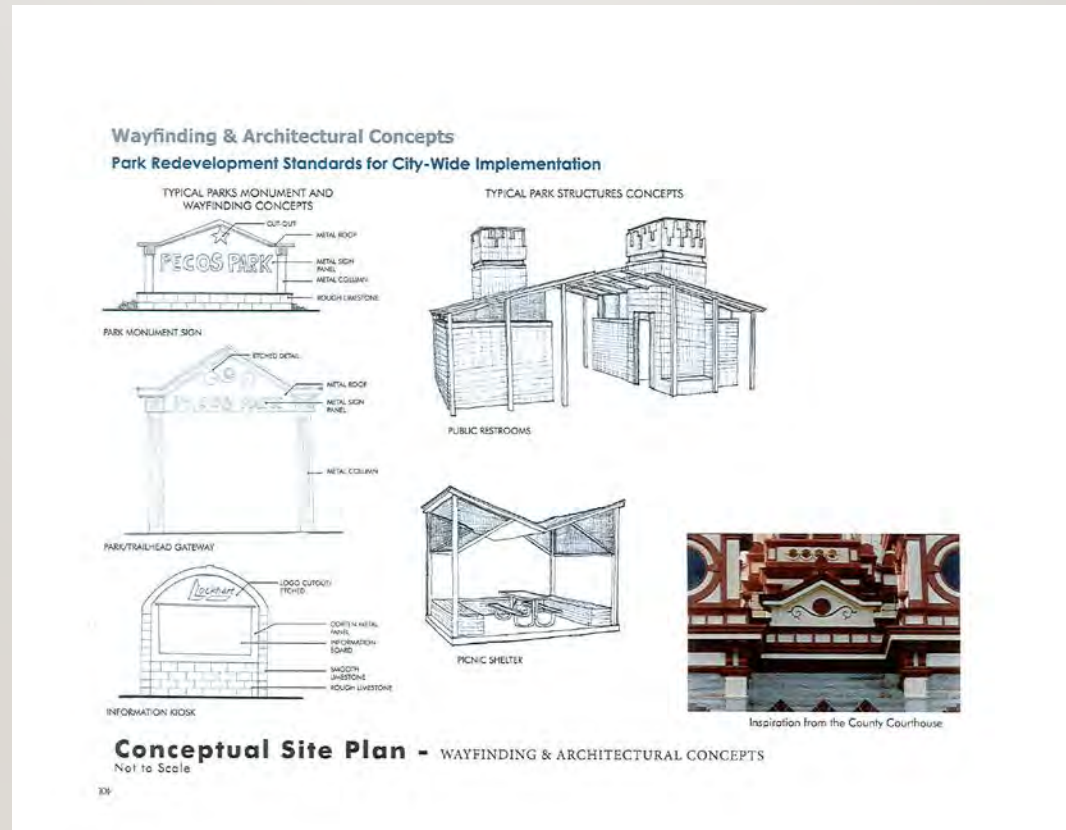
Upgrade Signs

Add Playscape



PECOS PARK NEIGHBORHOOD

- Pavilion Upgrade
- Signs Upgrade
- Restroom Upgrade
- Bridge



PECOS PARK

BRIDGE

- This bridge will be more involved because it is going over a flowing creek vs ditches.



LAFLEUR SPORTS COMPLEX

- Playscape Cover
- Shade Structures
- Splash Pad
- Trees



LAFLEUR SPORTS COMPLEX

PLAYSCAPE COVER AND SHADE STRUCTURES



LAFLEUR SPORTS COMPLEX

SPLASH PAD



LAFLEUR SPORTS COMPLEX

TREES

- American Sycamore
- Coastal Live Oak
- Cedar Elm
- Montezuma Cypress



NUECES PARK

NEIGHBORHOOD

- Picnic Tables
- New Playscape
- Restroom Upgrade
- Bridge over ditch
- Signs



SANTOS ARREDONDO NEIGHBORHOOD

- Signs Upgrade
- Playscape Cover



NAVARRO SPRINGS PARK

NEIGHBORHOOD

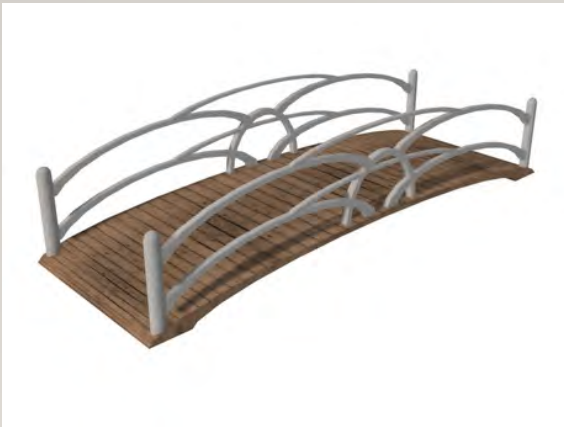
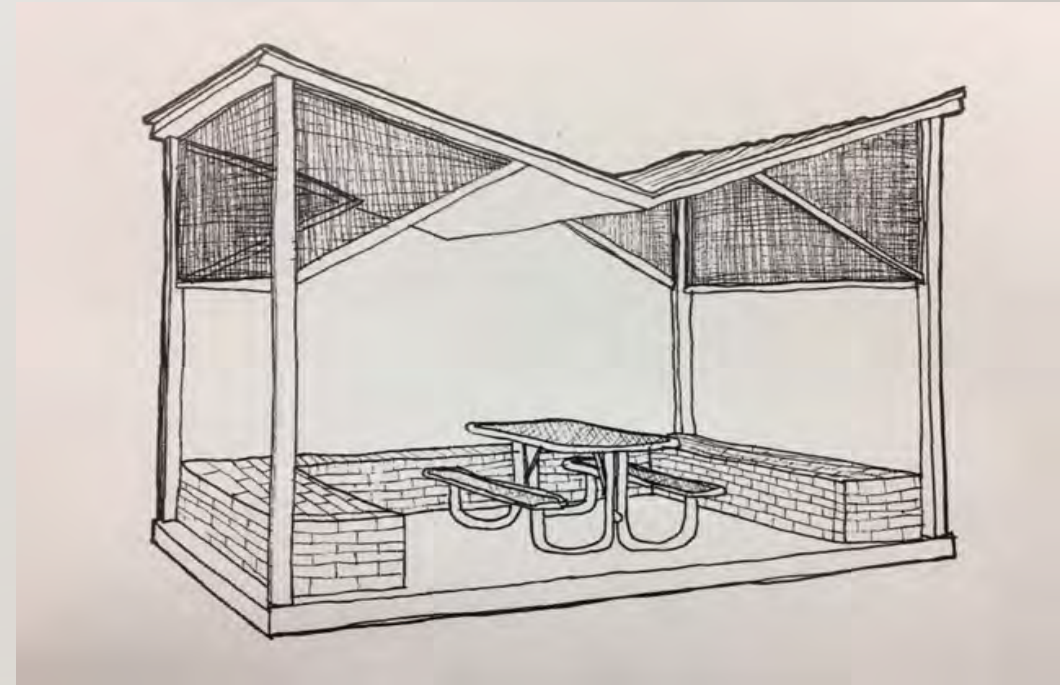
- Sign Upgrades
- Playscape Cover
- Trees



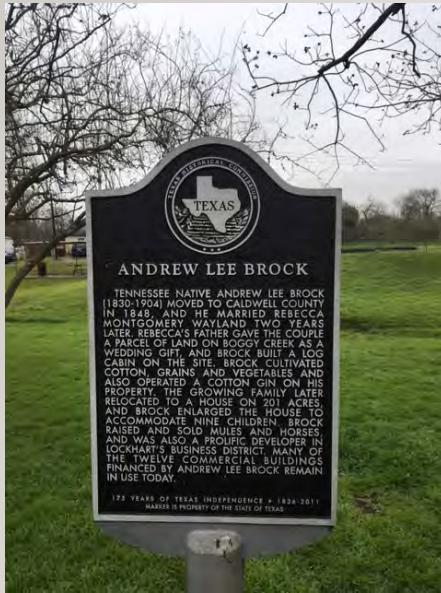
LION'S PARK

COMMUNITY

- New Playscape
- Replace Bridges
- Upgrade 9 Street Lights
- Covered Picnic Areas

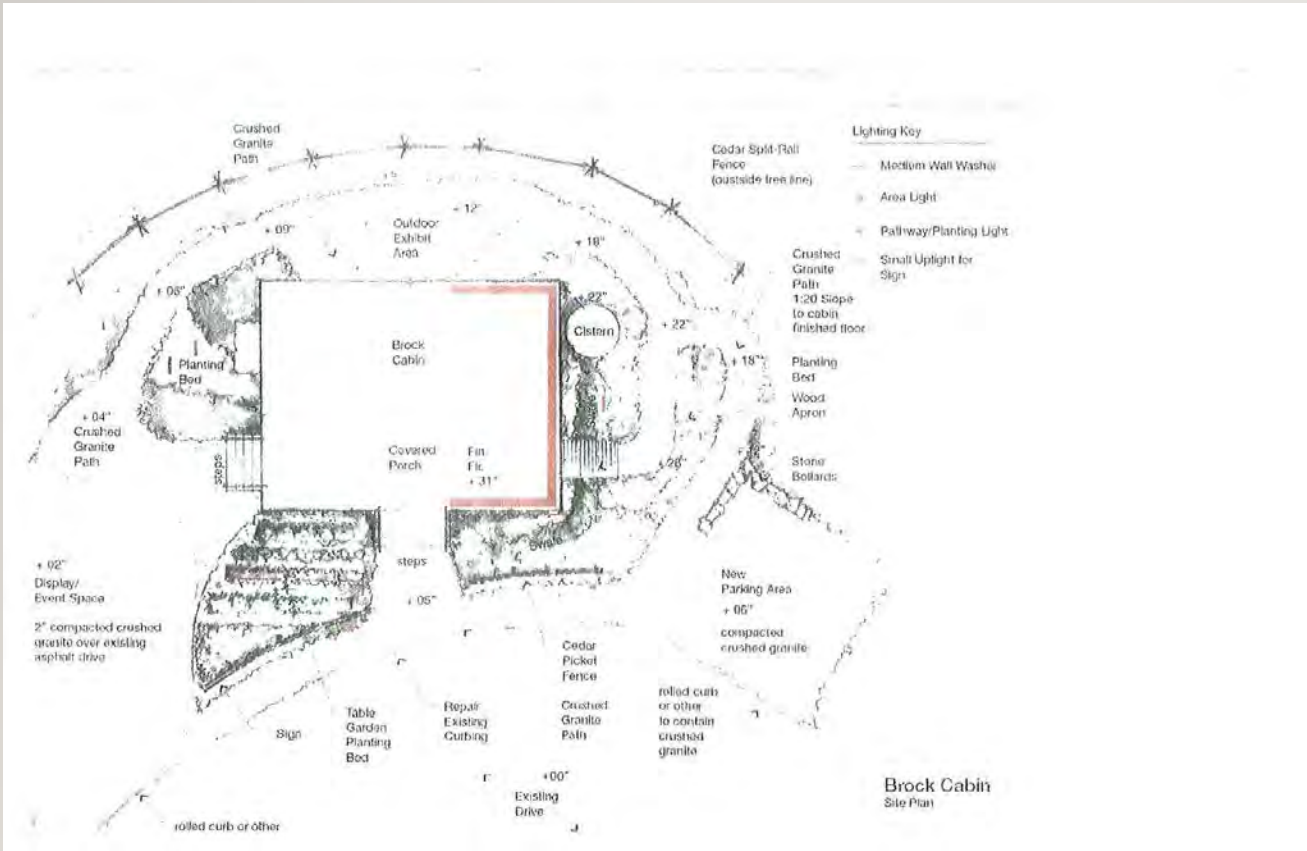


LIONS PARK BROCK CABIN/HISTORICAL PARK



LIONS PARK

BROCK CABIN SITE PLAN



LIONS PARK

HISTORICAL PLAYSCAPE OPTION



BRAUN PARK

NEIGHBORHOOD

- Replace Shade Screen
- Playscape Cover
- Trees



GRANT OPPORTUNITIES

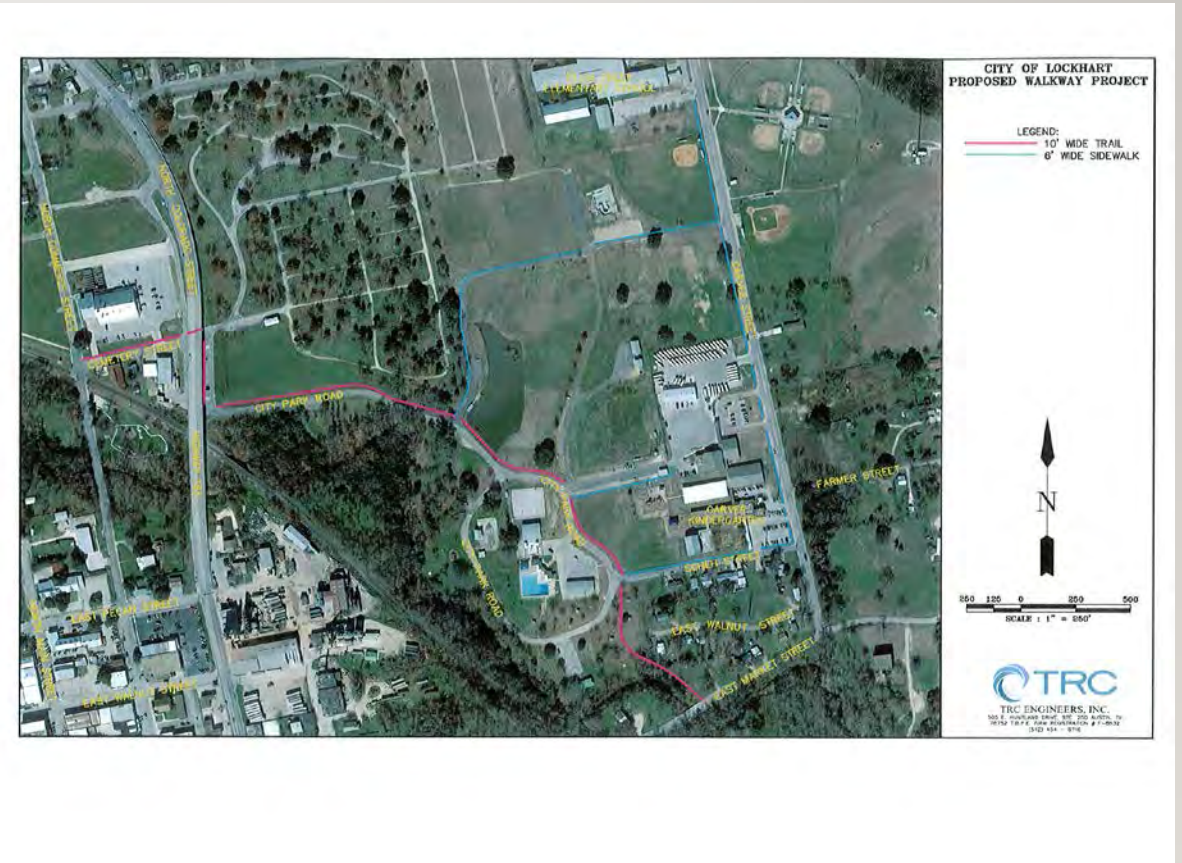
- Actively seek out grant opportunities
- Allocated \$200,000 for grant matching funds



COMMUNITY CONNECTIVITY TRAILS

GRANT THROUGH ST. DAVID'S FOUNDATION

- New Trail Systems
- Healthy Parks Initiative
- \$250,000
- Additional Mile of Trails



PROPOSED PARK IMPROVEMENTS

Lockhart Parks Improvements and Associated Costs extracted from the Parks Recreation and Open Space Master Plan.

Lockhart Parks Improvements and Associated Costs extracted from the Parks Recreation and Open Space Master Plan.				
Park	Improvements	Quantity	Unit Cost	Estimated Cost
City Park Community	Playscape	1	\$50,000.00	\$50,000.00
	Wayfinding	5	\$200.00	\$1,000.00
	Picnic Shelters	5	\$5,000.00	\$25,000.00
	Pier Cover	1	\$5,000.00	\$5,000.00
	Dog Park	1	\$45,000.00	\$45,000.00
	Restroom Upgrade	2	\$30,000.00	\$60,000.00
	Lighting Upgrades	40	\$500.00	\$20,000.00
	Parking Lot Upgrade	1	\$30,000.00	\$30,000.00
	Roads	1	\$100,000.00	\$100,000.00
Sports Complex Community	Security System	1	\$50,000.00	\$50,000.00
	Signs	1	\$500.00	\$500.00
Pecos Neighborhood	Playscape	1	\$50,000.00	\$50,000.00
	Pavilion	1	\$10,000.00	\$10,000.00
	Signs	1	\$500.00	\$500.00
	Update restrooms	1	\$30,000.00	\$30,000.00
LaFleur Complex Community	Bridge	1	\$63,500.00	\$63,500.00
	Playscape Cover	1	\$25,000.00	\$25,000.00
	Shade Structures	5	\$25,000.00	\$125,000.00
	Splash Pad	1	\$100,000.00	\$100,000.00
	Picnic Tables	5	\$1,850.00	\$9,250.00
Nueces Neighborhood	Trees	20	\$450.00	\$9,000.00
	Picnic Tables	5	\$1,200.00	\$6,000.00
	New Playscape	1	\$50,000.00	\$50,000.00
	Restroom Upgrade	1	\$30,000.00	\$30,000.00
	Upgrade Lighting	4	\$500.00	\$2,000.00
	Bridge	1	\$10,000.00	\$10,000.00
Santos Arredondo Neighborhood	Signs	2	\$500.00	\$1,000.00
	Signs/restroom	1	\$500.00	\$500.00
Navarro Springs Neighborhood	Playscape Cover	1	\$25,000.00	\$25,000.00
	Signage	1	\$500.00	\$500.00
	trees	10	\$450.00	\$4,500.00
Lions Park Community	Playscape Cover	1	\$25,000.00	\$25,000.00
	New Playscape	1	\$50,000.00	\$50,000.00
	Replace Bridges	3	\$10,000.00	\$30,000.00
	Upgrade Lights	9	\$500.00	\$4,500.00
Braun Park Neighborhood	Covered Picnic Areas	4	\$25,000.00	\$100,000.00
	Replace shade screen	1	\$1,500.00	\$1,500.00
	Playscape Cover	1	\$25,000.00	\$25,000.00
Senior Center	Trees	15	\$450.00	\$6,750.00
	Building Upgrade	1	\$3,000.00	\$3,000.00
Grant Funds	Matching Grant Funds	1	\$200,000.00	\$200,000.00
			Total	\$1,384,000.00

2015 CERTIFICATE OF OBLIGATION BUDGET

- Remaining Funds

Series 2015 CO for Government Capital Improvement Projects
as of 01/10/2019

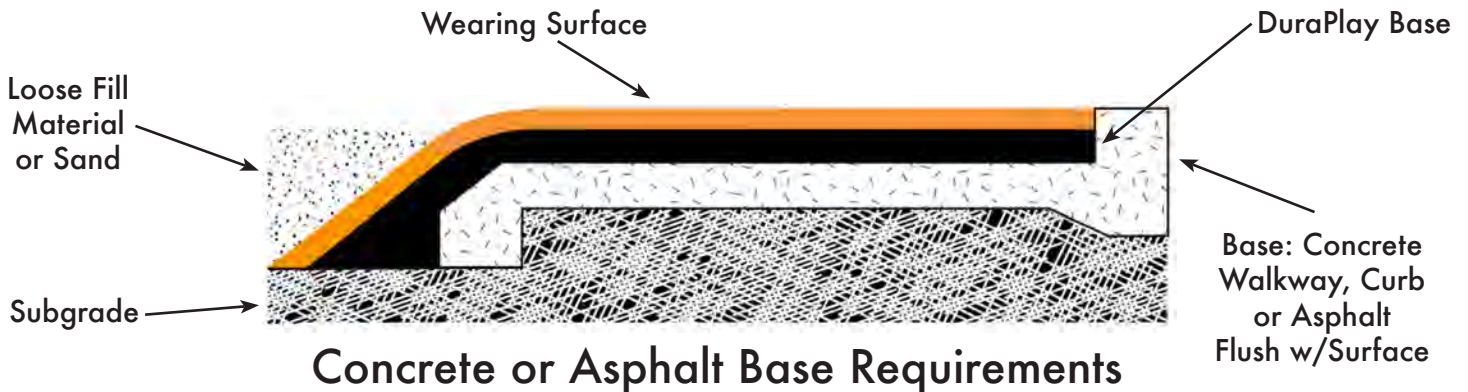
	Street Repairs	Parks	Public Safety	City Hall	Water	WasteWater
Original Funding	5,865,351	880,734	984,353	248,685	8,439,410	722,176
Expenses	3,517,300	84,993	507,938	8,369	1,007,341	514,189
<u>Remaining Funds</u>	2,348,051	795,741	476,415	240,316	7,432,069	207,987

Lockhart Parks Improvements and Associated Costs extracted from the Parks Recreation and Open Space Master Plan.

Park	Improvements	Quantity	Unit Cost	Estimated Cost
City Park Community	Playscape	1	\$50,000.00	\$50,000.00
	Wayfinding	5	\$200.00	\$1,000.00
	Picnic Shelters	5	\$5,000.00	\$25,000.00
	Pier Cover	1	\$5,000.00	\$5,000.00
	Dog Park	1	\$45,000.00	\$45,000.00
	Restroom Upgrade	2	\$30,000.00	\$60,000.00
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	Roads	1	\$100,000.00	\$100,000.00
	Security System	1	\$50,000.00	\$50,000.00
Sports Complex Community	Signs	1	\$500.00	\$500.00
	Playscape	1	\$50,000.00	\$50,000.00
Pecos Neighborhood	Pavilion	1	\$10,000.00	\$10,000.00
	Signs	1	\$500.00	\$500.00
	Update restrooms	1	\$30,000.00	\$30,000.00
	Bridge	1	\$63,500.00	\$63,500.00
LaFleur Complex Community	Playscape Cover	1	\$25,000.00	\$25,000.00
	Shade Structures	5	\$25,000.00	\$125,000.00
	Splash Pad	1	\$100,000.00	\$100,000.00
	Picnic Tables	5	\$1,850.00	\$9,250.00
	Trees	20	\$450.00	\$9,000.00
Nueces Neighborhood	Picnic Tables	5	\$1,200.00	\$6,000.00
	New Playscape	1	\$50,000.00	\$50,000.00
	Restroom Upgrade	1	\$30,000.00	\$30,000.00
	Upgrade Lighting	4	\$500.00	\$2,000.00
	Bridge	1	\$10,000.00	\$10,000.00
	Signs	2	\$500.00	\$1,000.00
Santos Arredondo Neighborhood	Signs/restroom	1	\$500.00	\$500.00
	Playscape Cover	1	\$25,000.00	\$25,000.00
Navarro Springs Neighborhood	Signage	1	\$500.00	\$500.00
	trees	10	\$450.00	\$4,500.00
	Playscape Cover	1	\$25,000.00	\$25,000.00
Lions Park Community	New Playscape	1	\$50,000.00	\$50,000.00
	Replace Bridges	3	\$10,000.00	\$30,000.00
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	Covered Picnic Areas	4	\$25,000.00	\$100,000.00
Braun Park Neighborhood	Replace shade screen	1	\$1,500.00	\$1,500.00
	Playscape Cover	1	\$25,000.00	\$25,000.00
	Trees	15	\$450.00	\$6,750.00
Senior Center	Building Upgrade	1	\$3,000.00	\$3,000.00
Grant Funds	Matching Grant Funds	1	\$200,000.00	\$200,000.00
			Total	\$1,384,000.00

CONSTRUCTION DETAIL

Concrete or Asphalt Base



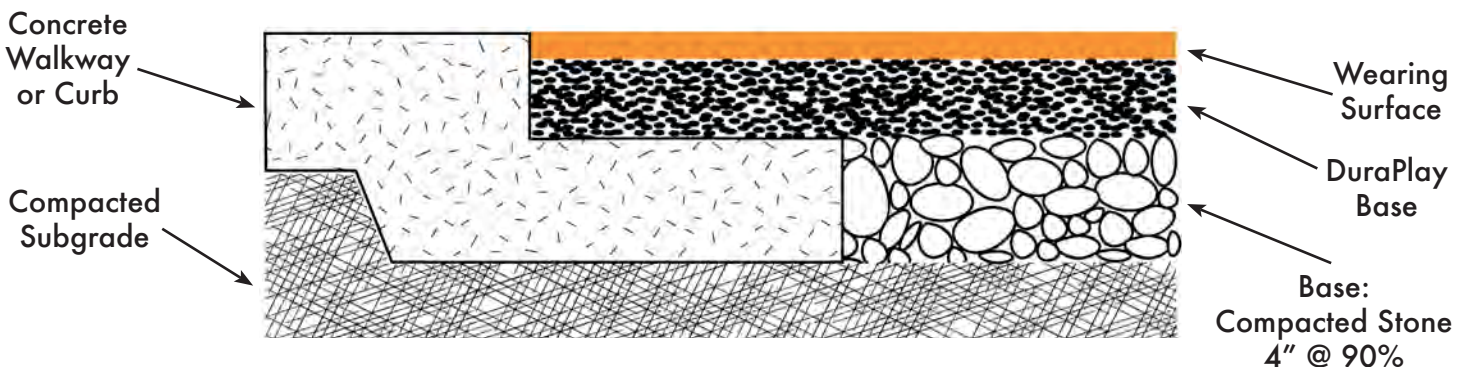
Concrete or Asphalt Base Requirements

Slope:
1/4" per foot
Tolerance:
1/8" in 10 feet, No puddling
Finish:
light broom
Curing:
7 days prior to surfacing

Drainage:
2% pitch towards weep holes or breaks in concrete curb.
Drains:
recommended location on low-end wall or curb and outside high impact areas
Edge Preparation:
See Edge Detail

CONSTRUCTION DETAIL

Compacted Stone Base



Compacted Stone Base Requirements

Stone types:
1/2" to 1" good compacting, permeable aggregate
Stone Gradation:
U.S. Sieve Percent Passing
1-1/2" 100
1" 90-100
3/4" 70-100
Tolerances:
3/8 inch in a 10 foot direction
1/4 inch in a 3 foot direction
Depth:
4" minimum

Enclosure:
Retainage curb needs to be base height plus thickness of poured in place surfacing.
Porosity:
Must maintain direct drainage
Drainage:
Perforated pipe or a similar system is acceptable for recommended sub-surface drainage.
Compaction:
90% compaction in stable condition



City of Austin
Parks and Recreation Department
Northwest District—Office
12138 N. Lamar Boulevard
Austin, TX 78758

Playground Surface

The playground surface is very important to the playground user and the City of Austin Parks and Recreation Department. Safety, accessibility and functionality are the primary considerations when selecting a playground surface. More than ½ of the playground-related injuries result from falls. The main function of the playground surface is to absorb shock when a child falls. There are many different types of playground surfaces. The early surfaces of playgrounds were made of concrete. Throughout the years, surfaces also included:

- Engineered Wood Fiber (EWF)
- Poured-in-Place Rubber
- Indoor Foam Tiles
- Artificial Turf
- Grass/Dirt
- Asphalt
- Gravel (Pea)/Stones
- Sand
- Wood Chips/Bark Mulch
- Rubber Mulch

The **Consumer Product Safety Commission** states that every playground surface must be soft enough to meet ASTM F1292 (*ASTM Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment*) and ASTM F2075, the standards for cushioning falls. The **Americans with Disabilities Act** states that every new playground surface must be firm and stable enough to meet ASTM F1951, the standard for wheelchair accessibility.

Engineered Wood Fiber for Playground Surfaces

Engineered Wood Fiber (EWF) is the most popular manufactured surface that meets standards for safety and wheelchair accessibility. EWF is used on nearly ¾ of all playgrounds in the U.S. because of its high impact absorbing qualities, yet firm, slip resistant surface that allows for wheelchairs and strollers to traverse across it. (Sand and pea gravel are not as accessible). It is called “engineered,” because the wood is mechanically shredded into sizes and aspect ratios determined by a series of specified sieves, through which the final product must pass. In addition, the finished product must meet ASTM F2075. In use, the wood fibers knit together to form a mat that is springy enough to meet ASTM F1292 for impact attenuation, yet firm enough to meet ASTM F1951 for wheelchair access.

Engineered wood fiber is made from biodegradable virgin wood, rather than used wood such as recycled pallets. Used wood may contain staples and other foreign matter and should never be used for a playground surface. Engineered wood fiber should not be confused with wood chips or bark, which tends to be larger pieces of random shape.



<http://www.ci.austin.tx.us/parks>

The City of Austin is proud to comply with the Americans with Disabilities Act.

If you require assistance for participation in our programs or use of our facilities, please call 974-6700



Wood chips



Engineered Wood Fiber



Woodchips vs. Engineered Wood Fiber

1

¹ <http://www.aaastateofplay.com/woodcarpet-engineered-wood-fiber-p-846.html>

Playground Surfacing

Playground Surface Feature Comparison

Surface Type	ASTM 1292 Protection	ADA Accessible	Advantages	Disadvantages
Engineered Wood Fiber	Yes	Yes	<ul style="list-style-type: none"> ▪ Low cost (\$2-3 ft²) ▪ Able to decompose outside of playground 	<ul style="list-style-type: none"> ▪ Tends to become compact/needs to be topped off every couple of years
Poured-in-Place Rubber	Yes	Yes	<ul style="list-style-type: none"> ▪ No containment barriers are usually necessary. ▪ Surfaces are accessible to wheelchairs and easy to walk on. ▪ Displacement of materials is not an issue, so the protective ability of these surfaces remains consistent even in high traffic areas. ▪ Surfaces require very little upkeep over time and are easy to clean. ▪ Rubbish such as broken glass and other sharp objects are easily seen. ▪ Animals and insects are not attracted to the surface materials. ▪ Mold and fungus growth are not an issue. ▪ Easy to clean. 	<ul style="list-style-type: none"> ▪ High cost (\$9-15 ft²) ▪ Sun's UV rays and power washing may cause colors to fade and degrade after a few years. ▪ Not maintenance-free: removing debris/trash ▪ Longevity varies ▪ The area under the surface usually requires special preparation. ▪ Surfaces may require professional installation. ▪ Some surfaces may be damaged by frost. ▪ May be flammable. ▪ Subject to vandalism (e.g., ignited, defaced, cut).
Gravel (Pea)/Stones	No	No	<ul style="list-style-type: none"> ▪ Easy to purchase and install ▪ Pea gravel will not crush and decompose. ▪ Mold and fungus growth are not generally an issue. ▪ Animals and insects are less attracted to pea gravel. 	<ul style="list-style-type: none"> ▪ Medium cost ▪ Pea gravel can be a challenge to walk on. ▪ The protective ability of pea gravel is decreased in rainy, humid, and freezing weather conditions. ▪ Pea gravel can be a falling danger if displaced from the playground area. ▪ Pea gravel does not meet the requirements of the Americans with Disabilities Act for wheelchair accessibility.
Sand	No	No	<ul style="list-style-type: none"> ▪ Low cost ▪ Play sand will not crush and decompose. ▪ Mold and fungus growth are not generally an issue. 	<ul style="list-style-type: none"> ▪ Medium cost ▪ Wet sand-surface becomes hard and unyielding ▪ Play sand can be a challenge to walk on.

Playground Surfacing

				<ul style="list-style-type: none"> ▪ The protective ability of play sand is decreased in rainy and humid weather conditions. ▪ Animals are attracted to sand unless it can be covered when not in use. ▪ Play sand sticks easily to shoes, clothing, and skin. ▪ Sand does not meet the requirements of the Americans with Disabilities Act for wheelchair accessibility.
Wood Chips or Bark Mulch	Unclear	No	<ul style="list-style-type: none"> ▪ Low cost ▪ Wood chips and shredded bark mulch are less abrasive than play sand. ▪ Animals are less likely to soil wood chips and shredded bark mulch. ▪ Wood chips and shredded bark mulch are aesthetically pleasing. 	<ul style="list-style-type: none"> ▪ The protective ability of wood chips and shredded bark mulch is decreased in rainy, humid, and freezing weather conditions. ▪ Over time, wood chips and shredded bark mulch will become crushed, compacted, and will decompose. ▪ Wood chips and shredded bark mulch can develop fungus and mold when wet. ▪ Insects are attracted to wood chips and shredded bark mulch.
Rubber Mulch	Yes	Yes	<ul style="list-style-type: none"> ▪ Recycled rubber mulch does not generally need to be replaced or renewed each year. ▪ Rubber mulch tends to be cleaner and less apt than other loose-fill materials to cause dirty clothing, hands, and shoes during active play. ▪ Does not cause scrapes, scratches, or splinters from falls. ▪ Animals and insects are not attracted to rubber mulch. ▪ Mold and fungus growth are not an issue. 	<ul style="list-style-type: none"> ▪ Medium cost (\$5-7 ft²) ▪ Mobility - material moves around in a playground as children play, creating an uneven surface that is not wheelchair accessible. ▪ Must be raked routinely to ensure proper depth ▪ Colors on recycled rubber mulch may fade over time. ▪ Risk of fire - only a small number of such fires are reported each year, but they are apt to be extremely hot and may not respond to conventional fire-fighting equipment. When this occurs, the playground equipment above the surface may be totally destroyed.

<http://www.backyardcity.com/Articles/Playing-It-Safe-Part2.htm>

http://www.kidsource.com/CPSC/playground_surface.html