

PARKS & RECREATION BOARD AGENDA
REGULAR MEETING | NOVEMBER 6, 2019 AT 7:00 PM
CITY HALL COUNCIL CHAMBERS, 405 MUNICIPAL DRIVE

I. CALL TO ORDER

II. ROLL CALL

III. VISITOR AND CITIZEN FORUM

At this time, any person may address the board or governing body, provided that an official 'Speaker's Request Form' has been submitted to the secretary prior to the start of the meeting. All comments must be directed towards the body as a whole, rather than individual members or staff. All speakers must limit their comments to the subject matter as listed on the 'Speaker's Request Form.' No formal action can be taken nor discussion held regarding these items.

IV. REPORTS AND ANNOUNCEMENTS

- A. KKB Arbor Day event
- B. Destiny Baseball Complex, LLC

V. MINUTES APPROVAL

- A. Consider approval of September 25, 2019 Regular Meeting Minutes

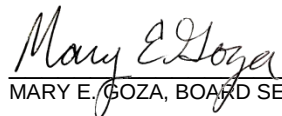
VI. DECISION ITEMS

- A. Discussion Items
 - 1. Events
 - a. Concert in the Park
 - b. Christmas Tree Lighting
 - 2. Camp Gladiator
 - 3. KYA Contract and T3 Company
- B. Discussion of potential items for inclusion in park improvement bond issuance

VII. ADJOURNMENT

CERTIFICATION

I CERTIFY THAT A COPY OF THE NOVEMBER 6, 2019, PARKS & RECREATION ADVISORY BOARD AGENDA WAS POSTED ON THE CITY HALL BULLETIN BOARD NEXT TO THE MAIN ENTRANCE OF THE CITY HALL BUILDING, 405 MUNICIPAL DRIVE, OF THE CITY OF KENNEDALE, TEXAS, IN A PLACE CONVENIENT AND READILY ACCESSIBLE TO THE GENERAL PUBLIC AT ALL TIMES AND SAID AGENDA WAS POSTED AT LEAST 72 HOURS PRECEDING THE SCHEDULE TIME OF SAID MEETING, IN ACCORDANCE WITH CHAPTER 551 OF THE TEXAS GOVERNMENT CODE.


MARY E. GOZA, BOARD SECRETARY

In compliance with the Americans with Disabilities Act, the City of Kennedale will provide for reasonable accommodations for persons attending City Council meetings. This building is wheelchair accessible, and parking spaces for disabled citizens are available. Requests for sign interpreter services must be made forty-eight (48) hours prior to the meetings. Please contact the City Secretary at 817.985.2104 or (TDD) 1.800.735.2989.



STAFF REPORT TO THE BOARD OF DIRECTORS

Date: November 6, 2019

Agenda Item No: REPORTS AND ANNOUNCEMENTS - A.

I. Subject:

KKB Arbor Day event

II. Originated by:

III. Summary:

In honor of Arbor Day, KKB planted a tree near the entrance of Sonora Park on Saturday, November 2, at 10:00 a.m.

Mayor Brian Johnson issued a proclamation (attached) at the last Regular Council Meeting on Tuesday, October 15 in celebration of the event.

IV. Recommendation:

V. Alternative Actions:

VI. Attachments:

1.	2019 _ Arbor Day KKB	2019 _ Arbor Day KKB.pdf
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PROCLAMATION

CITY OF KENNEDALE, TEXAS

WHEREAS, in the state of Texas, February 1889 was the first Arbor Day celebration; and

WHEREAS, trees play an important role in the ecosystem in which we live by reducing the erosion of our precious topsoil by wind and water, cleaning the air we breathe and the water we drink, producing oxygen, providing habitat for birds and wildlife, and reducing heating and cooling costs by moderating temperature; and

WHEREAS, trees in our city increase property values, enhance the economic vitality of business areas and beautify our community; and

WHEREAS, trees, wherever they are planted are a source of joy and urban and community forestry is an essential component of a healthy future for the City of Kennedale; and

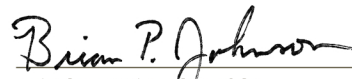
WHEREAS, the city of Kennedale and the Keep Kennedale Beautiful (KKB) Commission have partnered together to plant a tree at Sonora Park in support of the Arbor Day Foundation and Tree City USA programs; and

NOW THEREFORE, I, Brian Johnson, Mayor of the City of Kennedale, do hereby proclaim Saturday, November 2, 2019

ARBOR DAY

in Kennedale, Texas; and invite all residents to attend the tree planting hosted by KKB at 10:00 a.m. at Sonora Park; and call on the community to support efforts to protect our trees and to plant and care for trees to promote the well-being of this and future generations.

IN TESTIMONY, WHEREOF, I have hereunto set my hand and caused the Seal of the City of Kennedale, Texas to be affixed this the 15th day of October 2019.


MAYOR BRIAN JOHNSON

ATTEST: 
CITY SECRETARY LESLIE E. GALLOWAY

STAFF REPORT TO THE BOARD OF DIRECTORS

Date: November 6, 2019

Agenda Item No: REPORTS AND ANNOUNCEMENTS - B.

I. Subject:

Destiny Baseball Complex, LLC

II. Originated by:

Larry Hoover, Public Works Director

III. Summary:

The presentation by Destiny Baseball group is a promising solution to provide a baseball experience to local youth who are able to be selected through a tryout process. Staff's assessment of the pros and cons of such a public-private partnership are as follows:

PROS:

- Field maintenance by knowledgeable people
- Increased visitors to our City
- Facilities used regularly
- Increased rental revenue

CONS:

- Local kids would have to try out for teams, with no guaranteed participation
- Loss of free time for citizen access
- Tax-payer resentment of outsourcing
- Increased traffic and noise from games

I am sure there are more issues that I have not considered as well as more issues that will be discussed and possibly corrected with a clear contract.

However, staff would only recommend consideration of this type of partnership if KYA does not plan to return to the Kennedale ballfields because it is likely that the City would have to terminate the contract with KYA in order to partner with Destiny Baseball, which could very well create a political situation.

Before moving forward with this process, staff would recommend verifying KYA's intentions and ability to return to Kennedale for practice and play, as well as a timeline for doing so.

IV. Recommendation:

None

V. Alternative Actions:

VI. Attachments:

1.	Kennedale Presentation	Destiny Presentation.pdf
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Destiny Baseball Complex



Private and Confidential

The Company

- **Destiny Baseball Complex LLC** is a Youth and High School baseball development company based in DFW
- Premier location secured with municipality in Carrollton Texas with over **33 acres of land, secured Anglin Park in Forest Hills, and also have leased Cy-Fair Sports complex of Schiel Road in Cypress Texas.**
- Destiny Baseball Complex and USA Prime Baseball are **owned and operated by serial-entrepreneur and investor Jon Frankel, and long-time baseball professional, Ryan Nelson**
- Our management team consist of experienced baseball industry directors and business leaders within the DFW metroplex

Private and Confidential

Management Team

Jon Frankel

Jon's career has centered on starting and building growth stage companies. Jon has been an entrepreneur since the age of 17. He has started two companies from scratch, grew them organically and monetized both ranging from 100 million dollars to 200 million dollars. Additionally, Jon has made multiple venture type investments in different industries. Jon has an outstanding track record of success by building strong sales engines with strong sales cultures within organizations. He is also very passionate about helping children as he oversees the operations of the Jon, Julie and Jack Frankel Foundation. Jon resides in Plano, Texas.

Ryan Nelson

As a player, Ryan Nelson was an All American, All conference and League MVP during his college career at UTA and Seward County Community College. As a coach, Ryan has coached 7 first round MLB draft picks, including multiple current major league players. Ryan has an extensive career in coaching at the highest level in youth baseball and works in the capacity as a scout for MLB organizations in addition to leading USA Prime Baseball and overseeing management of Destiny Baseball Complex.

Private and Confidential

The Market

- Youth Sports is a \$15 billion a year industry in the US with the goal of playing in college for the majority of 'Travel' athletes
- Nationwide there is an extreme shortage of baseball fields for baseball practice, leagues, or tournaments, resulting in fields being rented all the time

Private and Confidential

Why Does This Opportunity Exist

- Historically the baseball industry has been dominated by “baseball guys” who often lack backgrounds in business, finance, or anything outside of “on the field” baseball play
- These “baseball guys” have been promising to build fields for decades but are yet to effectively execute, leaving the industry tired of their stories and organizations
- Because we have combined business experience, baseball experience and financial wherewithal, our growth to date is setting industry records:
 - USA Prime Baseball is one of the fastest growing baseball organizations in United States history
 - We are on pace to have approx. 200 teams in USA Prime Baseball by Q1 2020
 - We expect by Q1 2020, approximately 3,000 players/families in USA Prime Baseball

High Demand with No Supply

- As professional baseball player salaries grow, the number of youth and high school travel/tournament baseball players grows at unprecedented numbers
- Teams are currently utilizing indoor facilities due to the lack of access to outdoor baseball fields because demand grows but field availability does not

Private and Confidential

Expected traffic flow make up

- USA Prime teams renting for daily/weekly practices
- Fall baseball leagues
- Youth baseball tournament 25+ weekends out of the year
- Summer tournaments 10+ weekends during the summer months
- Additional rental opportunities in Fall and Winter months
- Camps and Clinics
- Expected 275+ people per day when hosting tournaments/league play (6 games per day/12 teams/average of 30 players on the field per game + coaches + umpires X 1.7 people per player)
- During tournaments a large percentage of these people will remain in the Kennedale area because they do not play back to back games. Most games will be at 10am and then again at 2pm for example.

Private and Confidential

Economic Impact

- Youth sports has created tourism booms for municipalities across the USA
- Cities benefit not only from the thousands of players the sports facilities attract, but the families who spend big on **transportation, hotels, food, and family entertainment**
- As an illustrative example, in 2014 Mason Sports Park in Mason, Ohio had the below economic impact to the City of Mason, Ohio (population 33,037)*
 - Warren County CVB host 93 sports events a year, of which 65 are youth sports events
 - Those 93 events produced
 - \$27MM in Direct Income to Warren County
 - \$38MM in total economic impact
 - Over the course of 4 Tournaments in 2017 the sports complex experienced:
 - 5,500 hotel room rentals
 - 9,500 people brought into the Mason County community

*Source: Case Study of Mason Sports Park Presentation at "Sport Venues – New Trends that Maximize Economic Impact" on January 29, 2018



STAFF REPORT TO THE BOARD OF DIRECTORS

Date: November 6, 2019

Agenda Item No: MINUTES APPROVAL - A.

I. Subject:

Consider approval of September 25, 2019 Regular Meeting Minutes

II. Originated by:

Mary Goza, Administrative Assistant

III. Summary:

Please see the attached minutes for your approval.

IV. Recommendation:

Approve

V. Alternative Actions:

VI. Attachments:

1.	2019_09.25 PRB Regular Meeting Minutes_DRAFT	2019_09.25 PRB Regular Meeting Minutes.pdf
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PARKS & RECREATION BOARD MINUTES

REGULAR MEETING | SEPTEMBER 25, 2019

CITY HALL COUNCIL CHAMBERS, 405 MUNICIPAL DRIVE

I. CALL TO ORDER

Chair David Deaver called the meeting to order at 7:00 p.m.

II. ROLL CALL

Present: Chair David Deaver, Vice Chair Jeff Nevarez, Kenneth Michels, Gary Swan, Ann Beck, Jeremy Johnston; **Absent:** Phil Wallace.

III. VISITOR/CITIZENS FORUM

- **Lamar Saxon**, 1022 Chandler Street, spoke on behalf of Boy Scout Troop 35, requesting the complimentary use of the Sonora Park Pavilion at 7:00 p.m., November 11 (Veterans Day), to hold a flag retirement ceremony along with another troop from Mansfield. The troop plans to request the assistance of the Fire Department to ensure that, after the flags are burned, the fire is safely extinguished; and Representatives of the troops will return over the weekend to clean up the remains of the fire. Mr. Saxon additionally requested use of the Ballfields at Sonora to host the annual Tejas District Turkey Shoot on Saturday, November 16, from 6:00 a.m. to 3:00 p.m.

The consensus of the Board at this time was to honor these requests; and Public Works Director Larry Hoover stated that he would coordinate the facility reservations.

IV. REPORTS AND ANNOUNCEMENTS

- A. Introduce new Parks and Recreation Advisory Board members

At this time, current and new board members introduced themselves.

- B. Update on fund transfer projects

Public Works Director Larry Hoover provided an update on the projects. There was some discussion regarding the planning and research currently underway on the bond package, to bring new members of the Board up to speed.

- C. Discussion items

Vice Chair Jeff Nevarez gave an update on Concert in the Park.

V. MINUTES APPROVAL

- A. Consider approval of minutes from September 4, 2019 regular meeting.

Motion To Approve. Action Approve the minutes from September 4, 2019 regular meeting.

Moved By Vice Chair Nevarez. **Seconded By** Michels. **Motion passes unanimously.**

VI. DECISION ITEMS

- A. Select Chair and Vice Chair

Motion To Approve. Action Approve the nomination of David Deaver to serve as Chair of the Parks and Recreation Board. **Moved By** Swan. **Seconded By** Nevarez. **Motion passed unanimously.**

Motion To Approve. **Action** Approve the nomination of Jeff Nevarez to serve as Vice Chair of the Parks and Recreation Board. **Moved By** Swan. **Seconded By** Michels. **Motion passed unanimously.**

- B. Discuss items for a Park Improvement bond issuance recommendation.

The Board discussed the park improvement bond recommendation plans.

VII. ADJOURNMENT

Motion To Adjourn. **Action** Adjourn. **Moved By** Vice Chair Nevarez.

Chairman Deaver adjourned the meeting at 9:00 p.m.

APPROVED:

ATTEST:

DAVID DEEVER, CHAIR

MARY E. GOZA, BOARD SECRETARY

DRAFT UNTIL
APPROVED
BY THE BOARD



STAFF REPORT TO THE BOARD OF DIRECTORS

Date: November 6, 2019

Agenda Item No: DECISION ITEMS - A.

I. Subject:

Discussion Items

1. Events
 - a. Concert in the Park
 - b. Christmas Tree Lighting
2. Camp Gladiator
3. KYA Contract and T3 Company

II. Originated by:

Larry Hoover, Public Works Director

III. Summary:

1a. Concert in the Park

1b. Christmas Tree Lighting

2. Camp Gladiator

3. KYA Contract and T3 Company

IV. Recommendation:

None

V. Alternative Actions:

VI. Attachments:

STAFF REPORT TO THE BOARD OF DIRECTORS

Date: November 6, 2019

Agenda Item No: DECISION ITEMS - B.

I. Subject:

Discussion of potential items for inclusion in park improvement bond issuance

II. Originated by:

Larry Hoover, Public Works Director

III. Summary:

1. Speed Fab-Crete Sports Complex Design

a. Centrally located building for concessions, restrooms, storage, meetings: \$525,000

b. Grass Football Field (practice field): \$460,000; or Grass Playable Field with lights, score board, and goal posts: \$657,000; or Playable Artificial Turf Field + \$446,000 = \$1,103,000

c. New Grass Baseball Field: \$768,000; or Artificial Turf: + \$612,000 = \$1,380,000

d. Convert T-Ball Field to Parking Lot: \$125,000

Add 1,780 linear feet of security fencing: \$40,000

2. Existing Baseball Field Improvements (Field 1 and 2)

a. Leveling and Turf Improvements: ~\$174,200; or artificial turf for both fields = \$1,436,000 + \$756,000 = \$2,192,000

b. Field Lighting: ~\$65,000

3. Other Park Improvement Options (BuyBoard Negotiated Prices)

a. Resurfacing Splash Pad \$9,025 (Includes grinding existing coating of 1818 sq. feet, replace 112 linear feet of mastic)

b. OPTION 1: Rubber Mulch: \$8,100 (Ground cover 36,000 lbs. of Espresso Black) — Less maintenance; Helps reduce the risk of weeds, insects and fungus; Unlike wood mulch, rubber mulch does not attract termites, carpenter ants and other harmful insects; Stays in place during weather events, does not fade or deteriorate in the sun and will not get washed or blown away.

OPTION 2: DuraSAFE Rubber Playground Tiles \$31,000 — No maintenance required: 15-Year life expectancy

c. Trash Cans and Benches \$3,205 (2 32-gallon trash cans; 2 6-ft. benches)

d. Waterproof Umbrella Options:

e. Playground (Freestanding Play Structures):

4. Land Acquisition

IV. Recommendation:

V. Alternative Actions:

VI. Attachments:

1.	Items 1 & 2 KSC-Cost Estimate Exhibit	KSC-Cost Estimate Exhibit.pdf
2.	3b. OPTION 1 Rubber Mulch Cost	3b. OPTION 1 Rubber Mulch Cost.pdf
3.	3b. OPTION 2 Rubber Playground Tiles	3b. OPTION 2 Rubber Playground Tiles.pdf



Kennedale Sports Complex

Sonora Park

October 28, 2019

Kennedale, Texas

The following estimates are provided as budget costs for the proposed development of the sports fields at Sonora Park. The estimates are associated to the drawings and descriptions included on the design exhibit produced by Callahan & Freeman Architects, dated October 25, 2019.

Project Options

Option A

Concession / Restroom Building and associated paving	\$525,000
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Option B

Add new baseball field with lights, bleachers, dugouts, backstop, scoreboard, and fencing	\$768,000
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Option C

Add football practice field, graded to drain, with natural turf and irrigation.	\$460,000
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Option D

Add competition football field with bleachers, goal posts, scoreboard, and lights (natural turf and irrigation).	\$657,000
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Option E

Remove T-Ball field and replace with an asphalt parking lot to accommodate 100 cars.	\$125,000
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Option F

Add 1,780 linear feet of security fencing (allowance)	\$40,000
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Alternates

1	New "Option B" baseball field to have artificial turf	add	\$612,000
2	New "Option D" football field to have artificial turf	add	\$446,000
3	Replace the existing baseball field with artificial turf		\$1,436,000
4	Replace the existing softball field with artificial turf		\$756,000

The cost estimates above do not include Architectural and Engineering fees nor performance and payment bonding. The estimates are based on historical industry pricing and will vary from the actual pricing that will be obtained through contractor bids at the time the project is constructed.



GroundSmart™ Rubber Mulch - Order Form

(US Labeled Product)

LTR Products LLC, 3410 Midcourt Rd., Suite 108, Carrollton TX 75006
Office: 972-810-6277 Fax: 1-972-232-4888 www.groundsmart.com

Date: July 31, 2019

PO #:

Requested Delivery Date⁽¹⁾:

LTR Contact: Nathan Hrabal

Company: City of Kennedale

Name: Ron Taylor

e-mail: rtaylor@cityofkennedale.com

Phone:

Item #	Brand	Description	Color	Sell Unit	Weight	Cost (ea)	Quantity	Total
Bagged Product								
LTSCRMN8CB	GroundSmart	Rubber Mulch	Cedar Red	98/0.8 cu ft	1,960 lbs	\$ -	0	\$ -
LTSMBMN8CB	GroundSmart	Rubber Mulch	Mocha Brown	98/0.8 cu ft	1,960 lbs	\$ -	0	\$ -
LTSEBMN8CB	GroundSmart	Rubber Mulch	Espresso Black	98/0.8 cu ft	1,960 lbs	\$ -	0	\$ -
LTSBUMN8CB	GroundSmart	Rubber Mulch	Blue*	98/0.8 cu ft	1,960 lbs	\$ -	0	\$ -
LTSGRMN8CB	GroundSmart	Rubber Mulch	Green*	98/0.8 cu ft	1,960 lbs	\$ -	0	\$ -

* Not available from BC plant

Super Sacks								
LTGCRMN5TS	GroundSmart	Rubber Mulch	Cedar Red	38.5 cu ft	1,000 lbs	\$ -	0	\$ -
LTGMBMN5TS	GroundSmart	Rubber Mulch	Mocha Brown	38.5 cu ft	1,000 lbs	\$ -	0	\$ -
LTGEBMN5TS	GroundSmart	Rubber Mulch	Espresso Black	38.5 cu ft	1,000 lbs	\$ -	0	\$ -
LTGBUMN5TS	GroundSmart	Rubber Mulch	Blue	38.5 cu ft	1,000 lbs	\$ -	0	\$ -
LTGGRMN5TS	GroundSmart	Rubber Mulch	Green	38.5 cu ft	1,000 lbs	\$ -	0	\$ -
LTGCRMN1TS	GroundSmart	Rubber Mulch	Cedar Red	76.9 cu ft	2,000 lbs	\$ 450.00	0	\$ -
LTGMBMN1TS	GroundSmart	Rubber Mulch	Mocha Brown	76.9 cu ft	2,000 lbs	\$ 450.00	0	\$ -
LTGEBMN1TS	GroundSmart	Rubber Mulch	Espresso Black	76.9 cu ft	2,000 lbs	\$ 450.00	18	\$ 8,100.00
LTGBUMN1TS	GroundSmart	Rubber Mulch	Blue	76.9 cu ft	2,000 lbs	\$ 450.00	0	\$ -
LTGGRMN1TS	GroundSmart	Rubber Mulch	Green	76.9 cu ft	2,000 lbs	\$ 450.00	0	\$ -
LTGUCMN1TS	Generic	Rubber Mulch	Uncoated	76.9 cu ft	2,000 lbs	\$ 275.00	0	\$ -

Other						\$ -	0	\$ -
						\$ -	0	\$ -

Playground Surface (IPEMA certification specifies **COMPACTED** installation depths)

Uncompacted Installation Depth:	5"	6"	7"	8"	9"	10"
Compacted Installation Depth:	4"	5"	6"	7"	8"	9"
Coverage (sq ft):	3,298	2,748	2,356	2,061	1,832	1,649

Maximum IPEMA Certified Fall Height @1000HIC: 10' 12' 16' 16' 16' 16'

Landscape Surface: (Recommended uncompacted installation depth 1.5" to 2")

Uncompacted Installation Depth:	1.5"	2.0"
Coverage (sq ft):	10,992	8,244

Product:	\$ 8,100.00
Tax Rate ⁽³⁾ :	0.00%
Sales Tax:	\$ -
Sub-total:	\$ 8,100.00
Freight:	\$ 1,175.00
Tax Rate ⁽⁴⁾ :	0.00%
Sales Tax:	\$ -
Sub-total:	\$ 1,175.00
TOTAL⁽⁵⁾:	\$ 9,275.00

Freight Arranged By: ☐ LTR Products ☐ Customer (FOB)

Customer Tax Status: ☒ Tax Exempt ☐ Resale Certificate

Delivery Options⁽²⁾:

- ☐ Van
☐ Liftgate
☒ Flatbed

Delivery Service:

- ☒ Standard
☐ Guaranteed (LTL only)
☒ Call ahead

Delivery Location:

- ☐ Residential
☐ School/Daycare
☒ Park

- ☐ Church
☐ Commercial/Business
☐ Military Base

☐ Other: _____

Ship to:

Name: Park

Address:

City: Kennedale

State: TX

Zip 76060

Phone:

Contact:

Bill to:

Name: City of Kennedale

Address:

City: Kennedale

State: TX

Zip 76060

Phone:

Contact:

Other Comments/Special Instructions:

Customer Authorization: _____

☐ I, the customer, agree with this order as written and to the LTR Products LLC Terms & Conditions of Sale

Date: _____

⁽¹⁾ Average lead time 4-6 business days, excludes special orders. ⁽²⁾ All deliveries "curbside" only.

⁽³⁾ Product Tax Rates apply in AL, CA, GA, FL, IL, IN, KY, MD, MI, MO, NC, ND, NE, OH, PA, SC, TX, UT, WA, WI, WY. ⁽⁴⁾ Freight Tax Rates apply: AL, GA, IA, IN, KY, MI, NC, ND, NE, OH, PA, SC, TX, WA, WI. ⁽⁵⁾ Price and freight quotes valid for 30 days.

FOR INTERNAL USE ONLY

Freight Quote

Accounting

Ship From: Houston TX 77026

Carrier:

Carrier ID:

SO#:

Cost:

\$ 1,175.00

Carrier AFC:

Process Date:

Quote #:

Thank you for selecting GroundSmart™ Rubber Mulch, please send all orders to: mulchorders@libertytire.com

LTRP-RMOF-12.14.2018

ENGINEERED WOOD FIBER (EWF)

\$4,200

\$37,500

Total Cost of Ownership
\$41,700

INITIAL INVESTMENT
(amounts shown in USD)

MAINTENANCE COSTS
(over 15 years)

Based on a 2,000 sq. ft. surfacing area with an 8' fall height.

VS.

duraSAFE® Rubber Playground Tiles

\$31,000

\$0

Total Cost of Ownership
\$31,000

WARRANTY

ASTM F1292

LIFETIME

IMPACT ATTENUATION

Cost Comparison – Over a 15 Year Life Expectancy

When deciding on what safety surfacing is right for your playground, a few questions should be asked:

- What is the initial price vs. total cost of ownership?
- What long-term maintenance resources are required?
- Will it meet accessibility requirements?

Does it meet ASTM Fall Protection Requirements?

How much replenishment is required and how often?

Is it aesthetically pleasing to look at? Will it beautify our park space?

INITIAL COST TO PURCHASE

We have polled some of the largest dealer/suppliers and purchasers of EWF across the country and asked them questions regarding the cost to own an EWF site for an average-sized playground. For the purposes of this study, we have chosen to work with a site of 2,000 sq. ft.

MAINTENANCE/ACCESSIBILITY/FALL PROTECTION

In order to ensure compliance with ASTM Regulations, all surfaces must meet the following requirements:

- ▶ **ASTM F1292** is the Standard for Impact Attenuation of Surfacing within the Use Zone of Playground Equipment. If a child were to fall from the play structure to the safety surface below, the surface will absorb the impact and prevent critical head injuries.
- ▶ **ASTM 1951** is the Determination of Accessibility of Surface Systems Under and Around Playground Equipment. The Standard discusses that the surface below must be firm and flat and not restrict the maneuverability of anyone that accesses the play area with or without mobility issues. Can a child or guardian navigate the playground with minimal effort in a wheelchair or walker?

In order for EWF to meet these standards, frequent visits from a maintenance technician will be required to rake and compact the loose fill back to it's location.

Suppliers recommendation for time spent maintaining ranged from 1 hr per week to 3.5 hrs (0.5 hrs per day). How much time can your technicians actually spend fulfilling this task? Generally, these labor forces have been greatly reduced and they are faced with being asked to do more with less. Required time on leveling the EWF often gets overlooked and the surfacing quickly becomes non-compliant.

REPLENISHMENT

Even with a proper maintenance program, EWF will get kicked out of the play area, found in pockets, and found in shoes. It is a natural product – over time, it will start to decompose. In order to keep the product in compliance, you will need to replenish. Suppliers and end users polled are budgeting between 25-40% of the original purchase every year.

AESTHETICS

The safety surface under the play equipment is also a play feature for the playground. A colorful surface evokes a world of imagination for a child. Jumping from rock to rock or being on an island surrounded by shark-infested waters. The child's mind will create their own games.

A loose-fill surface will also create games of digging deep holes, creating mountains and having "snowball fights" This will displace the surfacing material. As a result, frequent raking and leveling will be required by local maintenance staff.

OTHER CONSIDERATIONS

- 1) What could your maintenance team be doing with their time if they were not maintaining your loose-fill systems?
- 2) What happens when a glass bottle breaks within a loose-fill surfacing area? Will you be able to find all of the remnant glass particles?
- 3) What happens if dirty syringes or other drug paraphernalia are found within your site? Will you be able to locate and safely remove before a child comes in contact with them?
ANSWER: Remove and either sieve through current product or remove and replace with new product.
- 4) What happens if your area sees flood waters or high winds that disperse your EWF throughout the schoolyard or park?
ANSWER: Replace with new product.

Detailed Cost Comparison Over a 15 Year Life Expectancy *(Based on a 2,000 sq. ft. surfacing area with an 8' fall height.)*

	Engineered Wood Fiber	duraSAFE Plus Series (Black)	duraSAFE Plus Series (Color)	duraSAFE Premium Series (Color)
INITIAL COSTS TO PURCHASE Additional Costs to consider include: freight, drainage, prevailing wage, containment and base preparation.	\$4,200 (EWF, Rolls of Filter Fabric & Installation)	\$31,000 (Tiles, Rubber Sheeting & Installation)	\$33,000 (Tiles, Rubber Sheeting & Installation)	\$38,000 (Tiles, Rubber Sheeting & Installation)
MAINTENANCE/ACCESSIBILITY & FALL PROTECTION Does not include costs associated with vandalism.	\$37,500 (\$1.25/sq. ft. x 2,000 sq. ft. x 15 Years)	\$0 (No Maintenance Required)	\$0 (No Maintenance Required)	\$0 (No Maintenance Required)
REPLENISHMENT/ACCESSIBILITY & FALL PROTECTION EWF will displaced, kicked. blown away, brought home in pockets and erode. Regular top-ups are necessary to maintain fall protection and accessibility requirements.	\$18,900 (30% of Original Purchase x 15 Years should be budgeted annually for replenishment)	\$0 (No Maintenance Required)	\$0 (No Maintenance Required)	\$0 (No Maintenance Required)
AESTHETICS Cleaning, Roll Coat Sealant, Seams Check etc.	\$0 	\$0 (No Maintenance Required) 	= \$2,000 x 3 (\$1/sq. ft. x 2,000 sq. ft. after every 5 years) 	\$0 
TOTAL COST OF OWNERSHIP	\$60,600	\$31,000	\$39,000	\$38,900