

Mayor and City Council Agenda Item Request

Meeting Date: 6/10/2013

Type: Work Session Discussion

Call to Podium:

Michele Potter, Director of Parks, Recreation and Culture
Jim McGuire, Recreation & Parks Division Chief
Mark Scafide, Public Works Operations Superintendent

Agenda Item Title:

Presentation on the Synthetic Turf Field at Lakelands Park

Responsible Staff and Department:

Michele Potter, Parks, Recreation and Culture
Jim McGuire, Parks, Recreation and Culture
Mark Scafide, Public Works

Desired Outcome from Council:

Hear Presentation; Question & Answer

Public Hearing History	
Introduction Date:	
Advertisement Date :	
Public Hearing Date:	
Record Held Open Date:	
Policy Discussion Date:	
Anticipated Adoption Date:	

SUPPORTING BACKGROUND ON NEXT PAGE

Mayor and City Council Agenda Item Request

Supporting Background Information:

This presentation will cover:

- Information pertaining to the design and construction of the City's first synthetic turf field, located at Lakelands Park. Statistics, cost, safety, reliability, and durability will be included in the presentation.
- History of synthetic turf surfaces.
- Studies showing the safety of synthetic turf fields.
- Current use and conditions of the regulation soccer field at Lakelands Park.
- Benefits of a synthetic turf field.
- Proposed increased hours of use, field rentals, additional revenue, and lower maintenance costs.
- Design for the field, fencing and communication with Lakelands Park Middle School officials.
- Projected construction timeline, costs and estimated lifecycle of the field.
- Evaluation phase and future projects.
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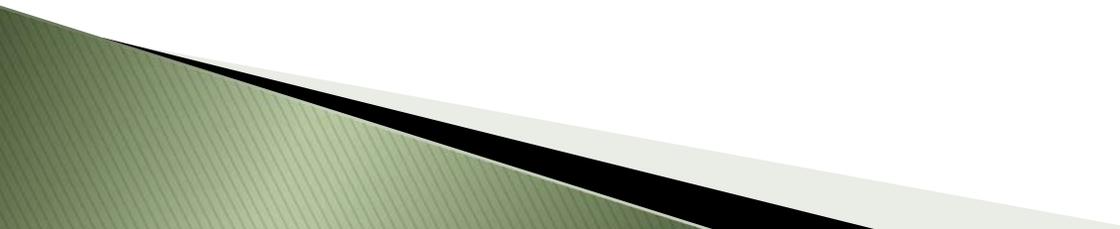
The presentation will demonstrate that the City is advancing the use of playing fields while eliminating the need for fertilizers, pesticides, herbicides and mowing. There will be less disruption to programs and schedules because of rainouts. Revenue is projected to increase through the aforementioned as well as additional programming and added rentals.

This fourth generation of artificial turf is far advanced from original designs in the 1960's and includes green technology as well as injury reducing materials and compression tests.

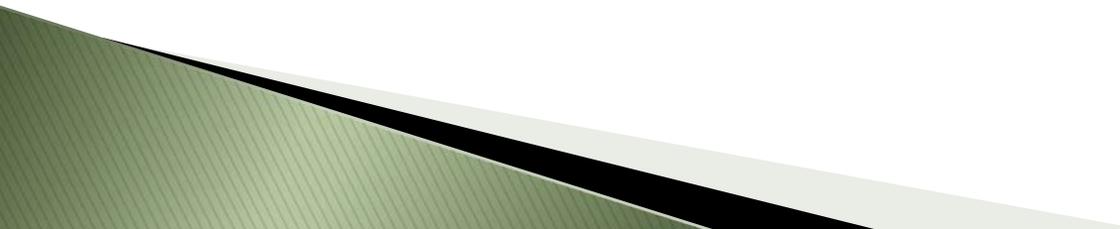
Presentation on City's First Synthetic Turf Field

Mayor and City Council
Work Session

June 10, 2013



Benefits of Synthetic Turf Fields

- ▶ The City is planning to install a synthetic turf field at Lakelands Park in FY14.
 - ▶ Staff chose synthetic turf because of its safety, durability, and runoff control, when compared with natural surfaces.
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Evolution of Synthetic Turf

- ▶ First generation in the 1960's.
 - ▶ Early synthetic turf technology was simplistic -- a concrete base and an overlay of carpet.
 - ▶ The current (fourth) generation of synthetic turf rivals natural grass to create a safe, durable playing surface
 - ▶ Synthetic turf effectively controls water runoff and reduces pollution.
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Studies Show Synthetic Turf Is Safe

- ▶ In separate studies, the Centers for Disease Control (CDC) and the Consumer Product Safety Commission found no exposure risk to lead from synthetic turf.
- ▶ The Connecticut Department of Public Health concluded, “***DPH’s review does not find any reason to stop installation of these fields,***” after a review of available studies.

Lakelands Park is Overused

- ▶ Current formal/permitted use is 1,234 hours per year. Estimated informal use is 500 hours per year.
 - ▶ Turf Management Council reported natural grass fields can only accept 1,000 hours of annual use.
 - ▶ Current demand prevents taking the field out of use to regenerate.
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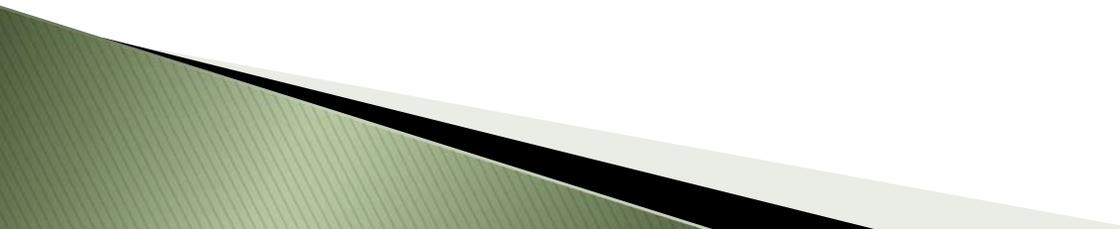
Existing Conditions



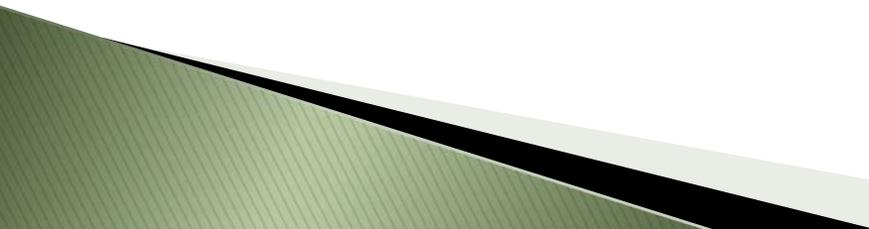
Lower Maintenance Costs

	Natural Turf	Synthetic Turf
Top Dress, Leafgro	\$4,253	\$0
Painting	\$10,495	\$209
Fertilization	\$332	\$0
Top Dress	\$4,929	\$0
Mowing	\$805	\$0
Aeration	\$1,414	\$0
Sweeping	\$0	\$4,728
Tining	\$0	\$1,182
Seeding	\$710	\$0
Brushing	\$0	\$131
Total	\$27,400	\$6,250

Synthetic Turf is. . .

- ▶ Safer
 - ▶ More Durable
 - ▶ Better for the Environment
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Synthetic Turf = More Play

- ▶ Formal/permitted use to exceed 1,350 hours per year.
 - ▶ Winter use projected to increase 200 + hours per year (total of 1,550 hours).
 - ▶ Community use estimated to increase 500 hours per year.
 - ▶ Synthetic turf can provide 3,000 annual hours of use.
 - ▶ Field Rentals – Increase in Revenue.
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Aerial Map of Lakelands Park



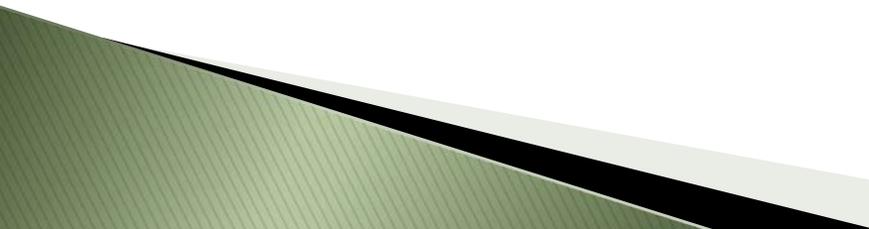
Lakelands Park Design Phase

- ▶ On December 3, 2012, the Mayor and City Council approved a resolution to contract with URS for surveying and engineering services.
 - ▶ An information session with Lakelands Park Middle School representatives was held on May 16, 2013.
 - ▶ The field is designed to meet the needs of both the City sports program and MCPS curriculum.
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Lakelands Park Design Phase

- ▶ Staff will review the Design Plan on a display board.

Lakelands Park Addition of Fencing

- ▶ Preserves the integrity of the field.
 - ▶ Provides pedestrian-friendly access.
 - ▶ Allows maintenance equipment onto the field.
 - ▶ Restricts unauthorized vehicular traffic.
 - ▶ Prevents the field from becoming a recreational area for pets.
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Lakelands Park Addition of Signage



Projected Construction Timeline

TIMELINE FOR SYNTHETIC TURF PROJECT

January 2, 2013	Received signed copies for the contract for engineering services
February 4, 2013	Issue the Notice to Proceed – start date for URS to begin
May 20, 2013	Engineering completed (contractor estimated 16 weeks)
June 20, 2013	Finalize bid package, receive signed RFB for (one month)
June 26, 2013	Earliest the bid could be advertised

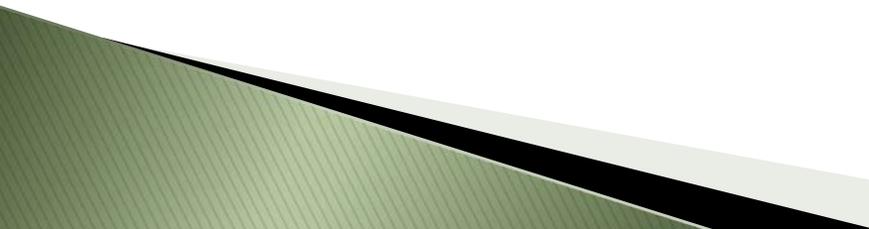
Project Construction Timeline

August 6,2013	Bids due (six weeks to respond)
September 16, 2013	Vote on Resolution (five weeks to get on the agenda)
October 14, 2013	Contracts signed and Notice to Proceed is issued (four weeks after the resolution is received)
November 14, 2013	Earliest a contractor could proceed (Notice to Proceed gives the contractor 30 working days to start)

Projected Costs POS Reimbursement

POS Reimbursement is 75% of the project			
Project	Cost	Reimbursement from POS	City Cost
Design Engineering	\$46,000	\$34,500	\$11,500
Construction	\$950,000	\$712,500	\$237,500

Synthetic Turf Field Lifecycle

- ▶ Twenty years with on-going, consistent maintenance.
 - ▶ Warranty on work and project.
 - ▶ Replacement will be needed for only the playing surface and additional filament.
 - ▶ The old playing surface will be recycled and used to produce a new playing surface.
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Evaluation Phase & Future Projects

- ▶ Post-project evaluation will occur one year after final installation.
 - ▶ Design and engineering will begin in FY14 with construction planned in FY15 CIP Budget with support from Program Open Space for Robertson Field #3.
 - ▶ Staff has strategically evaluated needs, identifying and priority planning for additional fields.
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Question & Answer

- ▶ This concludes the presentation.
- ▶ Staff are pleased to answer any questions.