

Mayor Nanette K. Johnston opened the work session at 5:37 p.m. on February 21, 2017, at City Hall located at 8880 Clark Avenue, Parkville. In attendance were aldermen Greg Plumb, Jim Werner, Diane Driver, Tina Welch, Dave Rittman, Robert Lock and Marc Sportsman.

The following staff was also present:  
Kirk Davis, Interim City Administrator  
Kevin Chrisman, Police Chief  
Alysen Abel, Public Works Director  
Stephen Lachky, Community Development Director  
Matthew Chapman, Finance/Human Resources Director  
Tim Blakeslee, Assistant to the City Administrator  
Melissa McChesney, City Clerk  
Chris Williams, City Attorney

**1. GENERAL AGENDA**

**A. U.S. Corps of Engineers Proposed Section 1135 Platte Landing Park Wetland Restoration Project**

Laurie Brown, Vireo, provided an overview of the project; presentation attached as Exhibit A. She said the location of the wetland was an ideal spot of disposition and scour within the river and noted that the flood in 2011 did not deposit much silt in the area. Opportunities were that the wetland areas would be cohesive and work well with the other park amenities, it was a good location for multi-use activities, increased diversity in wildlife and would be conducive to migrating animals. She said the money that the City spent in 2016 on wetland maintenance could be used in better ways with the project.

John Grothaus, United States Corps of Engineers, provided an overview of the costs for the project and noted there would not be a cost share required for the planning phase. The project would require 25 percent from the property owner, Platte County, which would be covered by the value of the real estate. He said that the project could move forward with design in 2016 after an agreement was approved with estimated completion in 2018. The cost of future maintenance would be covered by the City via an addendum to the cooperative agreement between the City and Platte County approved in September 2013. Grothaus added that the first three years would require the most maintenance that would be handled by the Corps. After the first three years the maintenance cost would be approximately \$4,500, which was close to what the City paid for maintenance in 2016.

Discussion focused on oversight of the maintenance to verify it was sufficient and met the requirements of the wetland project. Concerns were shared about the mosquitos near the future sports fields and future flooding. It was noted that the animals and birds in the park would take care of the mosquitos and the wetland area would be set up to handle flood events.

David Dods, 5308 Bluffs Way, said that he was an environmental engineer and was familiar with the work of all the firms involved. He felt the project would provide a beneficial use to the city for recreation and tourism.

Mike McKellar, Backyard Bird Center, provided a viewpoint from a business owner, environmentalist and birdwatcher, noting that the project would help generate income for the city and benefit the community and the ecosystem.

Mary Nemecek, Burroughs Audubon of Greater Kansas City, said that Missouri was at the top of the list for the number of birders and wetland areas helped purify the air and water, decrease runoff and provide an economic benefit to the City.

WORK SESSION MINUTES OF THE BOARD OF ALDERMEN OF FEBRUARY 21, 2017

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Neil Davidson, member of the Community Land and Recreation Board and Platte County Park Board, requested that Platte County consider providing funds for the next phases of the project.

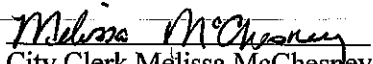
Carla Dods, 5308 Bluffs Way, spoke on behalf of the Platte Land Trust and said it was the first project of its kind in the Kansas City metropolitan area and it would be a valuable asset to the community.

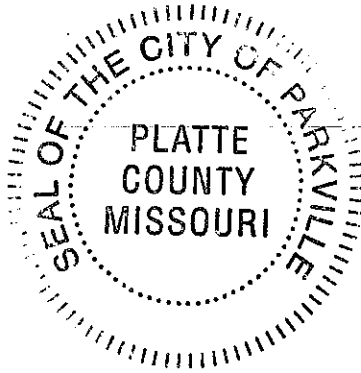
Further discussion focused on additional insurance with the wetland next to the future sports fields. It was noted that no additional insurance would be required.

The work session ended at 6:46 p.m.

The work session minutes for February 21, 2017, having been read and considered by the Board of Aldermen, and having been found to be correct as written, were approved on this the seventh day of March 2017.

Submitted by:

  
City Clerk Melissa McChesney



# Parkville Bottoms Section 1135 Platte Landing Ecosystem Restoration

*Platte County Commission and Parkville Board of Aldermen*

## USACE

John Grothaus – Plan Formulation Section Chief  
Cassidy Garden – Project Manager  
Richard Skinker – Project Biologist

## Vireo

Laurie Brown – Conservation Ecologist

## CDM Smith

Jackie Mosher – Project Manager

February 21, 2017



## Project Context

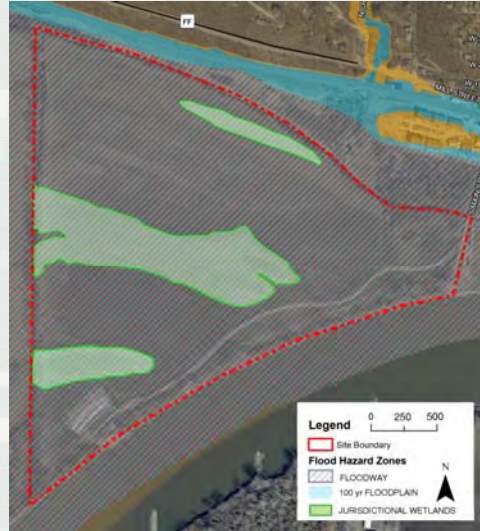


“The more facilities and discrete places that are layered into a park, the more use it can get from people with different interests and skills.”

(From Fitness Zones To The Medical Mile: How Urban Parks Can Best Promote Health and Wellness.  
The Trust for Public Land, 2011)

## Existing Site Constraints

- *FEMA Floodway* – No Rise, No Significant Development or Large Scale Filling is Feasible
- Jurisdictional Wetlands Already Exist
- No Modification Without Significant Mitigation Cost
- Provides Opportunity for Optimal Ecosystem Restoration + Multi-use Recreation in Accordance with the City's Parks Master Plan
- Multi-use Plan Maximizes Visitor Attraction



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BUILDING STRONG®

## Ecosystem Project Features

- Supplements Site Hydrology
  - Small Electric Pump and 2" Distribution Pipes
- Utilize Excavated Soils
  - Approximately 45,000 Cubic Yards of Material Excavation to Enhance Wetlands
  - Soils to be Used as Base Material for Future Ball Fields
- Improve Access & Aesthetics
  - Construction Access Used to Develop Additional Trails
  - Natural & Attractive Plantings



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# Ecosystem Restoration

## Existing Conditions

- Invasive Species Widespread
- Maintenance Requirements & Costs Still Significant



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## Ecosystem Restoration

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**SPECIES DIVERSITY**  
WETLANDS ENCOURAGE BIOLOGICAL DIVERSITY, WHICH IS IMPORTANT FOR THE HEALTH AND RESILIENCE OF NATURAL SYSTEMS.

## Ecosystem Restoration

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**SPECIES DIVERSITY**  
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**MIGRATORY FLYWAYS**  
DEPARTURE & ARRIVAL OF MIGRATORY SPECIES, INCLUDING BIRDS & BUTTERFLIPS, ATTRACTS BIRD ENTHUSIASTS AND NATURE GROUPS THAT SPUR ECONOMIC GAINS IN THE LOCAL ECONOMY.

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**POLLINATORS**  
FLOWERING NATIVES GIVE THE PARK MULTI-SEASONAL VISUAL INTEREST AND ATTRACT POLLINATOR SPECIES SUCH AS THE MONARCH BUTTERFLY

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RECREATIONAL ACTIVITIES LIKE CYCLING, SOCCER GAMES, AND JOGGING ARE BUFFERED BY THE WETLAND, PROVIDING THE FUNCTIONAL BENEFIT OF SPATIAL DELINEATION.

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**LEARN & EXPLORE**

**PLAY & ENGAGE**

## Ecosystem Restoration

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# Benefits of Restoration

- Improves Recreational Opportunities
- Add to the Economic Viability of Local Communities
  - Promotes Local Economy via Increased Visitor Attractions & Opportunities
  - Complements Compatible Recreation in the Riverfront Parks
  - Aligned with Surveys of Population & City's Parks Master Plan



Birders	46,741,000
Total Expenditures	\$40,942,680,000
Total Output	\$106,977,730,000
Jobs	666,000
Employment Income	\$31,391,977,000
State Tax Revenues	\$6,000,203,000
Federal Tax Revenues	\$7,089,387,000

"Birding in the United States: A Demographic & Economic Analysis  
Addendum to the 2011 National Survey of Fishing, Hunting & Wildlife-Associated Recreation", USFWS

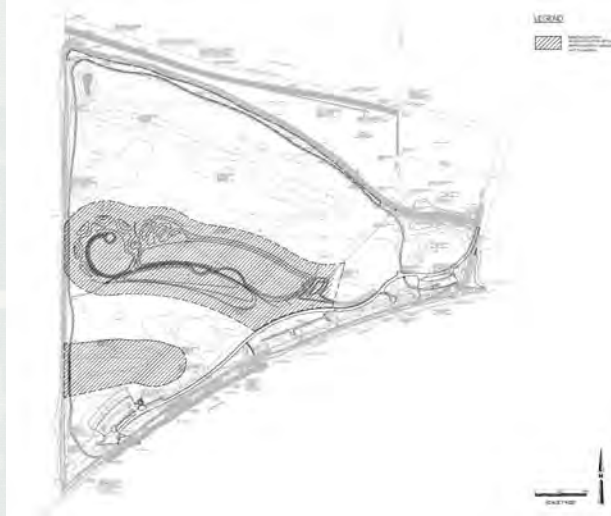
# Authorization & Cost Share

- Continuing Authorities Program Section 1135 of the Water Resources Development Act of 1986, as amended
- Cost Share Requirements for Planning are 100% Federal Funding Up to \$100,000
- A Project Partnership Agreement (PPA) Required for Design & Implementation
  - Cost Shared 75% Federal, 25% Non-Federal of Total Project Cost
  - Lands, Easements, Rights-of-Way, Relocations, and Disposal Areas (LERRDs) Non-Federal Responsibility - Non-Federal Partner Receives Credit Toward The 25% Required Match
  - USACE Can Fund Interpretation/Educational Signage with Project
  - Operation & Maintenance is a 100% Non-Federal Responsibility



# Ecosystem Project Features

## 35% Construction Documents



# Estimated Cost Share

Total Project Cost	Federal Share	Non-Federal Share	Total
Feasibility Phase	\$100,000	\$0	\$100,000
Design & Implementation	\$2,080,000	\$0	\$2,080,000
Lands & Easements	\$0	\$693,000	\$693,000
<b>Total</b>	<b>\$2,180,000</b>	<b>\$693,000</b>	<b>\$2,873,000</b>

- Value of the Lands and Easements (LERRD) is the Local 25% Share
- No Cash Required from the County

## Operations & Maintenance Requirements

Annual Activity	Estimated Cost
Annual Mowing	\$1,000
Weed Control	\$3,200
Pump Operation & Maintenance	\$250 to \$500
Total Cost	\$4,450 to \$4,700

- 3 Year Establishment Period Will Minimize Long-term Operations and Maintenance Requirements
- Can Include Seeding of Open Space Areas Adjacent to Wetlands as Part of Project
- **No Net Increase in O&M Cost**
  - Costs for O&M Comparable to Current Expenditures for Maintaining Existing Site Without the Benefits



## Project Schedule

- Project Reviews – Wrapping Up Now
- Project Approval (Division) – April 2017
- Project Partnership Agreement April – May 2017
- Construction Documents & Permits 2017 – 2018
- Construction 2018 – 2019
- Establishment Period for Vegetation 2018 - 2021
- Operations & Maintenance – Ongoing After Establishment Period



# Project Partnership Agreement

- The Project Partnership Agreement (PPA) – Signing Agreement is Key to Eligibility for Funds & Moving Forward
- County Requirement – Maintain Project After Construction, or Arrange with City to Maintain Project (Agreement)
- No Recurring / Remaining Federal Administrative Burdens or Reporting Requirements for County or City Post Construction
- Site Selection & History of Site Taken into Consideration for Sustainment
- Similar Projects Have Strong Track Record of Success, Value & Popularity



## Discussion & Contact Information

**Cassidy Garden, PE** - Project Manager  
U.S. Army Corps of Engineers, Kansas City District  
(816) 389-3851  
[Cassidy.C.Garden@usace.army.mil](mailto:Cassidy.C.Garden@usace.army.mil)

**Laurie Brown** – Conservation Ecologist  
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[laurie@bevireo.com](mailto:laurie@bevireo.com)

