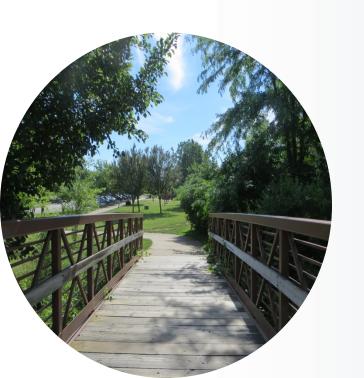




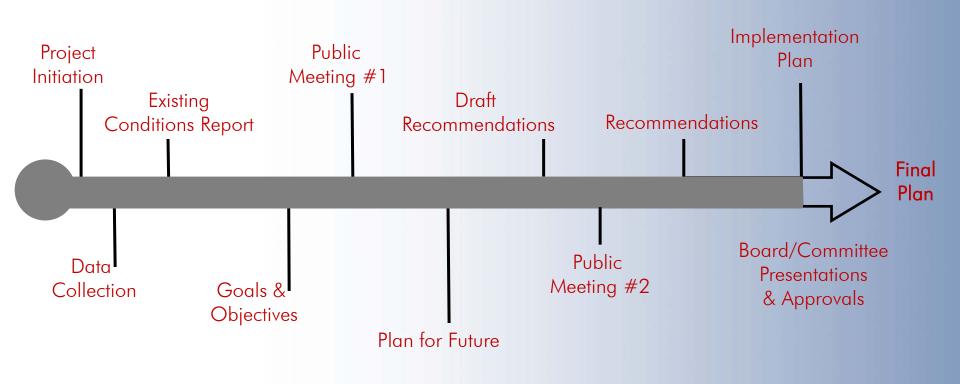
UPD Board Study Session

Tuesday, December 1, 2015









Scope of Work



Report Layout

Chapter 1: Introduction

Chapter 2: Existing Plans and Policies

Chapter 3: Existing Conditions Analysis

Chapter 4: Park Inventory and Trail Gap Analysis

Chapter 5: Creating A Vision

Chapter 6: Facility Types

Chapter 7: Community Outreach

Chapter 8: Recommendations

Chapter 9: Implementation



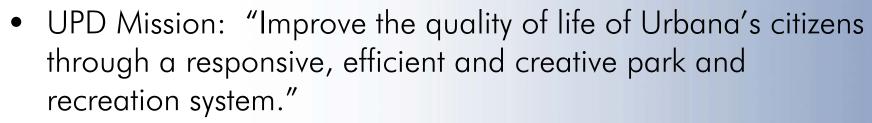


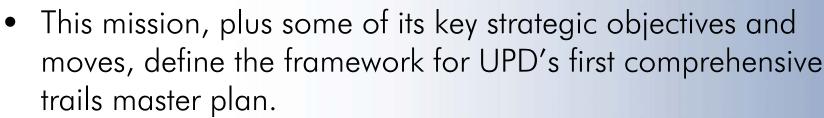
Chapter 1: Introduction



Introduction

- Urbana Park District
 - 24 parks/open spaces
 - 580 acres
 - 6 facilities
 - 100s of programs









Chapter 2: Existing Plans & Policies



Existing Plans & Policies

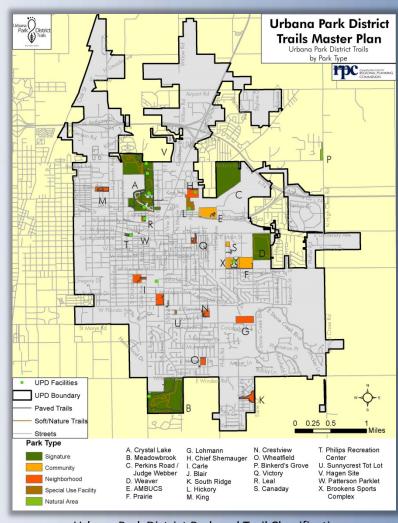
- State level documents: 2
- County level documents: 3
- Local level documents: 7
 - Added 2008 Crystal Lake Park Neighborhood Plan
- Contiguous planning area documents: 3
 - Includes Champaign Park District Trails
 Master Plan under development



Chapter 3: Existing Conditions Analysis



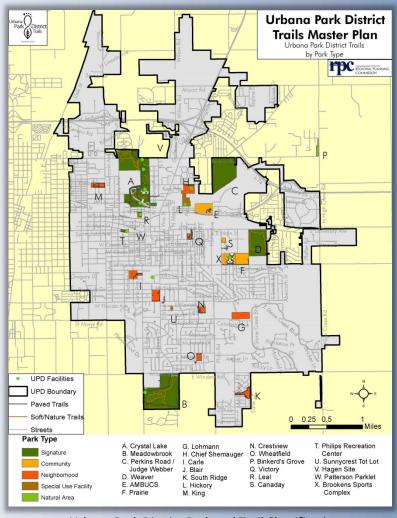
Urbana Park Classification





Urbana Park Classification

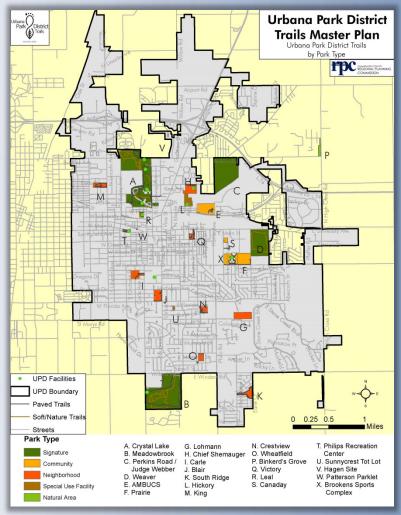
- Signature (4)
 - 50+ acres
 - Defined natural areas + variety of park features
 - Service Area: Regional





Urbana Park Classification

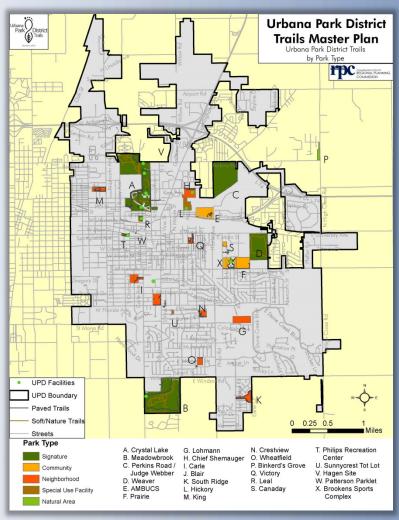
- Signature (4)
 - 50+ acres
 - Defined natural areas + variety of park features
 - Service Area: Regional
- Community (4)
 - 20 50 acres
 - Intense recreation; services available (lighting, parking, restrooms, etc.)
 - Service Area: 2 mile radius





Urbana Park Classification

- Signature (4)
 - 50+ acres
 - Defined natural areas + variety of park features
 - Service Area: Regional
- Community (4)
 - 20 50 acres
 - Intense recreation; services available (lighting, parking, restrooms, etc.)
 - Service Area: 2 mile radius
- Neighborhood (9)
 - 10 − 20 acres
 - Light recreational facilities; limited services (lighting, restrooms, etc.)
 - Service Area: 0.5 mile radius



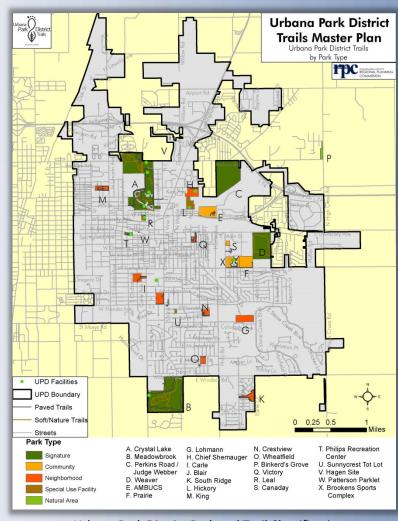


Urbana Park Classification

- Special Use Facilities (6)
 - <10 acres
 - Concentrated recreation activities
- Natural Areas (1)
 - High quality, undisturbed areas
 - Passive recreation

Urbana Park Ownership

- 4 open spaces leased from UCSD:
 - AMBUCS
 - Hickory Street Site
 - Patterson Parklet
 - Perkins Road Site
- All other open spaces owned by UPD





Existing Trail Facilities

Trail Inventory

Park Name	Trail Type (miles)		
	Paved	Soft/Nature	Total
Crystal Lake	3.1	2.1	5.2
Meadowbrook	2.2	1. <i>7</i>	3.9
Brookens Sports Complex	1.2	0.0	1.2
Weaver	0.2	1.0	1.2
South Ridge	0.7	0.0	0.7
King	0.6	0.0	0.6
Carle	0.3	0.1	0.4
Blair	0.4	0.0	0.4
Crestview	0.4	0.0	0.4
Phillips Recreation Center	0.4	0.0	0.4
Victory	0.4	0.0	0.4
AMBUCS	0.3	0.04	0.34
Larson (formerly Wheatfield)	0.3	0.0	0.3
Leal	0.3	0.0	0.3
Prairie	0.3	0.0	0.3
Chief Shemauger	0.3	0.0	0.3
Patterson Parklet	0.02	0.0	0.02
Canaday	0.01	0.0	0.01
Perkins Road / Judge Webber	0.0	0.0	0.0
Lohmann	0.0	0.0	0.0
Hickory Street Site	0.0	0.0	0.0
Binkerd's Grove	0.0	0.0	0.0
Hagen Site	0.0	0.0	0.0
Sunnycrest Tot Lot	0.0	0.0	0.0
TOTAL	11.41	4.98	16.35



Existing Trail Facilities

Trail Inventory

- UPD maintains approx. 16
 miles of trails distributed
 among 18 parks
 - Paved Trails: 11 miles within 18 parks
 - Soft Trails: 5 miles within five parks

Park Name	Trail Type (miles)		
	Paved	Soft/Nature	Total
Crystal Lake	3.1	2.1	5.2
Meadowbrook	2.2	1. <i>7</i>	3.9
Brookens Sports Complex	1.2	0.0	1.2
Weaver	0.2	1.0	1.2
South Ridge	0.7	0.0	0.7
King	0.6	0.0	0.6
Carle	0.3	0.1	0.4
Blair	0.4	0.0	0.4
Crestview	0.4	0.0	0.4
Phillips Recreation Center	0.4	0.0	0.4
Victory	0.4	0.0	0.4
AMBUCS	0.3	0.04	0.34
Larson (formerly Wheatfield)	0.3	0.0	0.3
Leal	0.3	0.0	0.3
Prairie	0.3	0.0	0.3
Chief Shemauger	0.3	0.0	0.3
Patterson Parklet	0.02	0.0	0.02
Canaday	0.01	0.0	0.01
Perkins Road / Judge Webber	0.0	0.0	0.0
Lohmann	0.0	0.0	0.0
Hickory Street Site	0.0	0.0	0.0
Binkerd's Grove	0.0	0.0	0.0
Hagen Site	0.0	0.0	0.0
Sunnycrest Tot Lot	6.0	0.0	0.0
TOTAL	11.41	4.98	16.35



Existing Trail Facilities

Trail Inventory

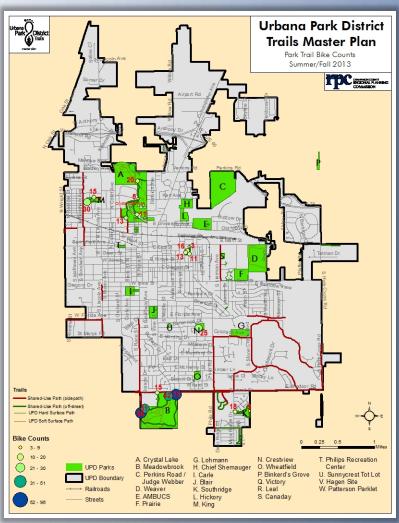
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	1	To I Toma College		
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Crystal Lake	3.1	2.1	5.2	
Meadowbrook	2.2	1.7	3.9	
Brookens Sports Complex	1.2	0.0	1.2	
Weaver	0.2	1.0	1.2	
South Ridge	0.7	0.0	0.7	
King	0.6	0.0	0.6	
Carle Over ½ of all	0.3	0.1	0.4	
Blair UPD-managed	0.4	0.0	0.4	
Crestview	0.4	0.0	0.4	
Phillips Recreation	0.4	0.0	0.4	
Victory	0.4	0.0	0.4	
AMBUCS	0.3	0.04	0.34	
Larson (formerly Wheatfield)	0.3	0.0	0.3	
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Prairie	0.3	0.0	0.3	
Chief Shemauger	0.3	0.0	0.3	
Patterson Parklet	0.02	0.0	0.02	
Canaday	0.01	0.0	0.01	
Perkins Road / Judge Webber	0.0	0.0	0.0	
Lohmann	0.0	0.0	0.0	
Hickory Street Site	0.0	0.0	0.0	
Binkerd's Grove	0.0	0.0	0.0	
Hagen Site	0.0	0.0	0.0	
Sunnycrest Tot Lot	0.0	0.0	0.0	
TOTAL	11.41	4.98	16.35	



Bicycle Ridership along Trail Facilities

- Bicycle Counts within UPD Parks
- 18 Locations

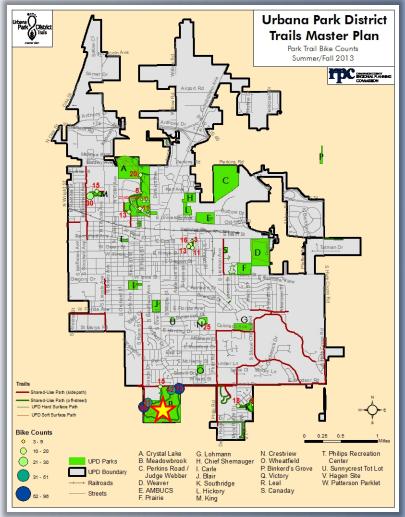


24-Hour Bike Counts within Urbana Park District Parks



Bicycle Ridership along Trail Facilities

- Bicycle Counts within UPD Parks
- 18 Locations
 - Highest counts at Meadowbrook Park
 - 96 and 75 at two locations within 24 hours

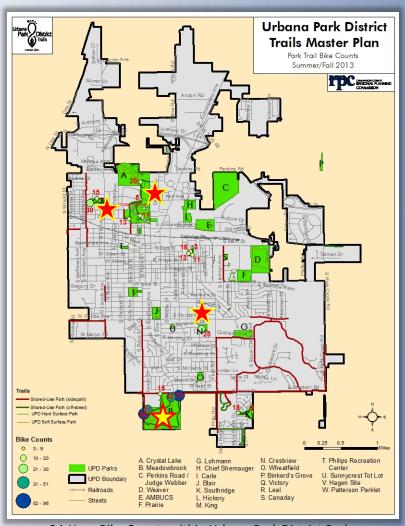


24-Hour Bike Counts within Urbana Park District Parks



Bicycle Ridership along Trail Facilities

- Bicycle Counts within UPD Parks
- 18 Locations
 - Highest counts at Meadowbrook Park
 - 96 and 75 at two locations within 24 hours
 - Crystal Lake, King, & Crestview parks second highest
 - 20 to 30 cyclists within 24 hours



24-Hour Bike Counts within Urbana Park District Parks



Crystal Lake Park Visitor Counts 2015

- UPD hired CCRPC to conduct visitor counts in Crystal Lake Park in Summer 2015
 - We also did these counts in 2007, so we can compare the counts
 - Family Aquatic Center reopened
 in 2013 at Count Location #1
- 6 Count Locations in 2015
 - 4 in-person
 - 2 video



Summer 2015 Visitor Count Locations at Crystal Lake Park



Crystal Lake Park Visitor Counts 2015

Methodology:

- 14 hour cycles: 6 am-8 pm
 - Counters from RPC, UPD, & CUPHD
- Good weather days
- One weekday (Thursday)
- One weekend day (Saturday)

Modes counted:

- Walkers
- Bicyclists
- Vehicles, including # of passengers



Summer 2015 Visitor Count Locations at Crystal Lake Park



Crystal Lake Park Visitor Counts 2015

Results:

- Highest # of Pedestrians enteredCLP at Location #1
- Highest # of Bicyclists entered
 CLP at Location #1 on Weekday,
 and Location #4 on Weekend
- 2007 vs. 2015:
 - CLP visitors increased:
 - 18% on weekdays
 - 11% on weekends
 - Only park entry location with increased visitors was Location #1

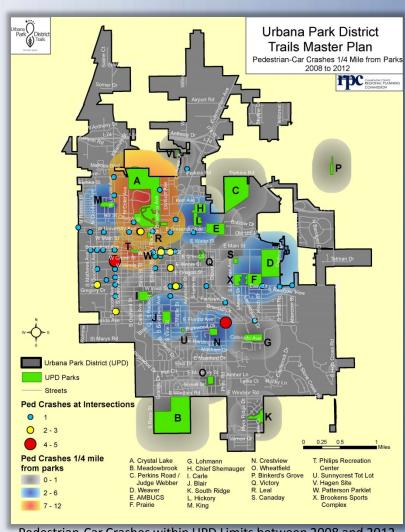


Summer 2015 Visitor Count Locations at Crystal Lake Park



Safety: Pedestrian Crashes

101 Pedestrian-Car
 Crashes between 2008
 and 2012

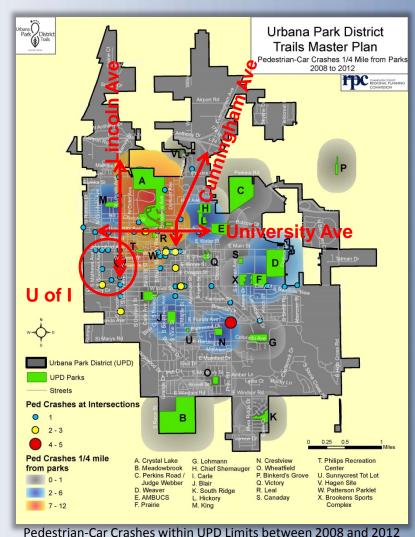


Pedestrian-Car Crashes within UPD Limits between 2008 and 2012



Safety: Pedestrian Crashes

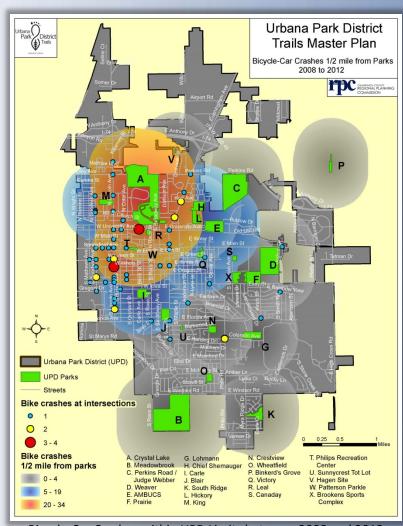
- 101 Pedestrian-Car Crashes between 2008 and 2012
- Major Crash Zones:
 - University of Illinois
 - Lincoln Avenue
 - Cunningham Avenue
 - University Avenue





Safety: Bicycle Crashes

 85 Bicycle-Car Crashes between 2008 and 2012

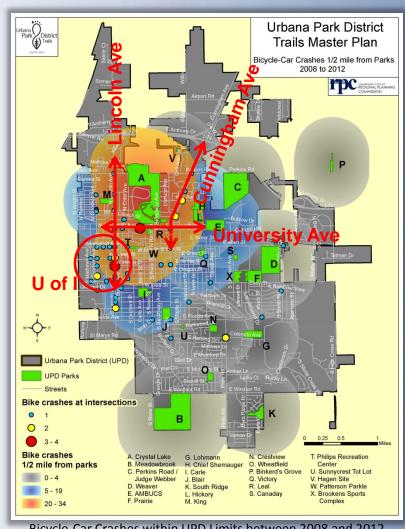


Bicycle-Car Crashes within UPD Limits between 2008 and 2012



Safety: Bicycle Crashes

- 85 Bicycle-Car Crashes between 2008 and 2012
- Major Crash Zones:
 - University of Illinois
 - Lincoln Avenue
 - Cunningham Avenue
 - University Avenue



Bicycle-Car Crashes within UPD Limits between 2008 and 2012

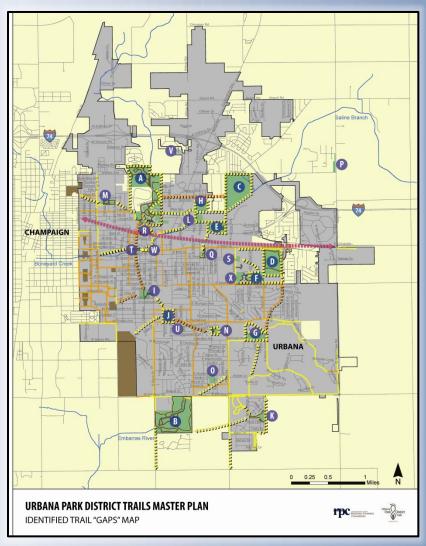


Chapter 4: Park Inventory & Trail Gap Analysis

Trail "Gap" Analysis

Identified the following gaps between UPD Parks:

- Bikeway Gap
- Shared-Use Gap
- Rails-to-Trails Gap



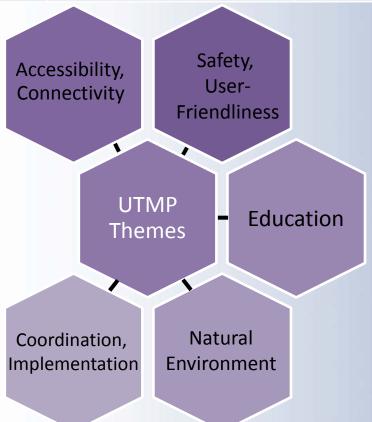


Chapter 5: Creating a Vision (Goals & Objectives)

Goals and Objectives

Structure:

Theme
Goal
Objectives Performance Measures Strategies Responsible Parties





Goals and Objectives

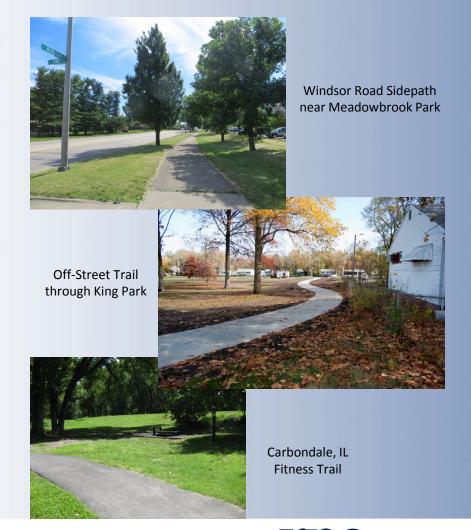
- Goal 1: Continue with the collaborative development of a district-wide / regional trail system including strong <u>connections</u> between present and future UPD parks, loop trails within parks and <u>linkages</u> within the regional trail system.
- Goal 2: Develop a system of trails that is <u>user-friendly</u> by providing amenities that make parks <u>accessible</u> to all residents and visitors.
- Goal 3: Educate residents about the benefits and availability trail facilities.
- Goal 4: <u>Preserve and enhance the natural environment</u> through the development and operation of greenways coinciding with Urbana Park District trails will.
- Goal 5: <u>Coordinate</u> the planning and <u>implementation</u> of all Urbana park trails system projects with the City of Urbana's Bicycle Master Plan and proposed sidewalk improvements, as well as the Champaign County Greenways and Trails Plan in a manner that emphasizes rational and cost-effective measures.



Chapter 6: Facility Types

Off-Street Facility Types

- Shared-Use Paths (Trail)
 - Sidepaths
 - Parallel to road
 - For busier, faster roads without many crossings
 - Off-Street
 - Between neighborhoods
 - Through parks
 - Rails-to/with-Trails
 - Utility easements
 - Waterway corridors
 - Fitness Trail



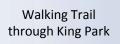


Off-Street Facility Types

- Pedestrian Trails
 - Nature Trail
 - Runs through environmentally sensitive areas
 - Surfacing & width specifications are more flexible than shared-use paths
 - Not designed to be ADA accessible
 - Walking Trail
 - Similar to sidewalks in parks
 - 5-8' wide
 - Pedestrian traffic only, in small parks
- Bicyclist Trails
 - University Bike Paths
 - University of Illinois campus only
 - Moving away from bike only paths towards shared-use paths



Busey Woods Nature Trail





Mathews Avenue
Bike Path



On-Road Facility Types

- Bike Lanes
 - Both sides of the road
 - Minimum width w/ curb: 5'
 - Stripe defines car/bike space
- Sharrows (shared lane markings)
 - Indicates proper bike position in shared lane
 - Can be used at intersections
 - Can be used on streets with or without parking

Bike Lanes on Fairview Avenue





Sharrows on Philo Road



On-Road Facility Types

- Bike Routes
 - Shared roadways
 - Signs should include:
 - Destination
 - Distance &/or Time
 - Direction
- Shared Bike/Parking Lanes
 - Low parking occupancy
 - Not exclusive "bike lanes," but more like paved shoulder with Bike Route signage

Bike Route on Beslin Street







Shared Bike/Parking Lanes on Pennsylvania Avenue



On-Road Facility Types

- Road Diets
 - Restripe from 4-5 lanes to 3 lanes to accommodate bike lanes
- Bike Boulevards
 - Bike-priority streets
 - Discourages thru car travel

Philo Road - Road Diet







San Luis Obispo, CA Bike Boulevard



Point Facility Types

- Refuge Island
- Bike-Activated Stoplight
- Bike Parking



Refuge Island across Windsor Road at Meadowbrook Park



Brookens Gym Bike Parking



Bike Push Button for Green Light on Fairview Avenue at Lincoln Avenue



Chapter 7: Community Outreach

Urbana PABS Results

PABS: Pedestrian And Bicycle Survey Summer 2013 – Spring 2014



Urbana PABS Results

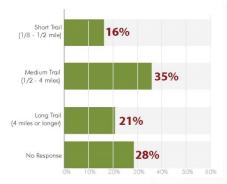
Survey Responses

Do you ever use park trails in Urbana?



What type of trail do you prefer?

Responses	#	%
Paved Surface (e.g. concrete, asphalt)	333	24
Non-Paved Surface (e.g. mowed natural area, woodchip, gravel)	182	13
Paved AND Non-Paved Surface	309	23
No response	547	40
Total	1,371	100



What do you use trails for in Urbana?



How do you access Urbana park trails?





Public Workshop Series #1 Results February 2014

Public Participation

Date	Location	Number of Participants
February 12, 2014	Communitywide: Urbana Civic Center	33
February 18, 2014	North Urbana: King School	14
February 19, 2014	East Urbana: Urbana Early Childhood School (UECS)	9
February 20, 2014	Latinos: Leal School	2
	TOTAL	58





Public Meeting #1 - Results



Origin – Destination – 24 responses



Top Destinations	Vote Count
Downtown	8
University of Illinois	8
Blair Park	5
Meadowbrook Park	5
Crystal Lake Park	3
Leal Park	3
Market at the Square	3

Parks 43%



Public Meeting #1 - Results







Destination – 33 responses

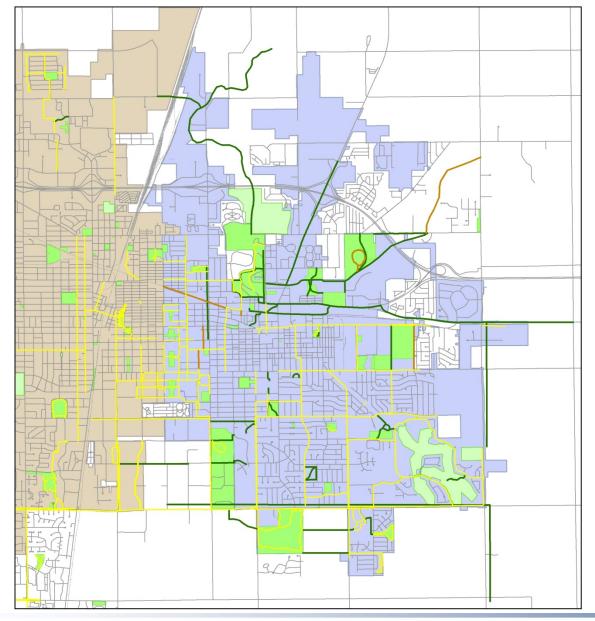
Top 5 Destinations	Vote Count
Meadowbrook Park	21
University of Illinois	12
Downtown	11
Market at the Square	10
Homer Lake Forest Preserve	10
Crystal Lake Park	9

Urbana schools 6%



Requested Paths

- Green = paved trail
- Brown = unpaved trail
- Yellow = existing facility





Public Workshop #2 Results

April 23, 2014 Urbana Middle School



Public Participation

Total Participants			20
	Workshop	Workshop	
	Issues	Issues	
	Other non-infrastruct	Other non-infrastructure strategies	
Comment Card – Response about		To the City of	8
	Recommendation	Urbana	O
	Recommendation	To Urbana Park	4
		District	
	Other issues, concern	Other issues, concerns or suggestions	
	Additional comments	Additional comments	
	Education		26
Non-Infrastructure	Encouragement		28
Recommendation Votes	Enforcement		29
	Evaluation		28



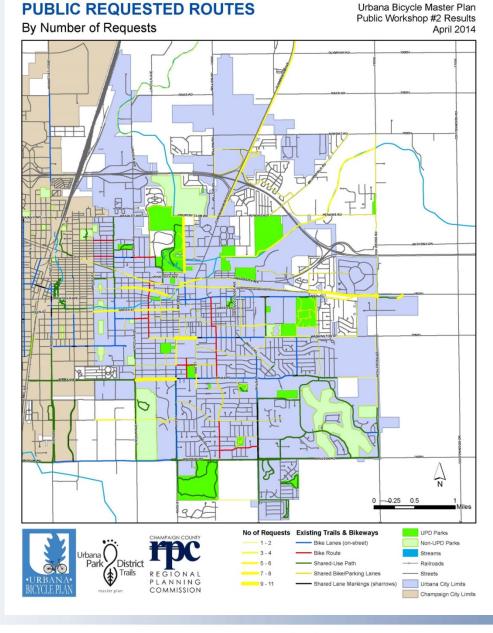
Desired Facility Types

Desired Facility Types	Total Segments Marked
Paved Trail (shared-use)	72
Bike Route	37
Bike Lanes	12
Share The Road	9
Shared Bike / Parking Lanes	2
Bike Boulevard	1
Total	135



Most Desired Paths

Name	Total Votes
Florida Avenue South	1.1
Sidepath (Lincoln-Race)	
Washington Street Bike	
Route (Race-Vine)	9
(Implemented 2015)	
Kickapoo Rail-Trail	8
(In progress)	0
Broadway Avenue West	
Sidepath (Country Club-	7
Park) (In progress)	
Green Street (Wright-	
Race) (MCORE in	6
progress)	
Boneyard Creek Path	
(Maple-Main) (Partially	5
complete)	



Building the Future... Together!

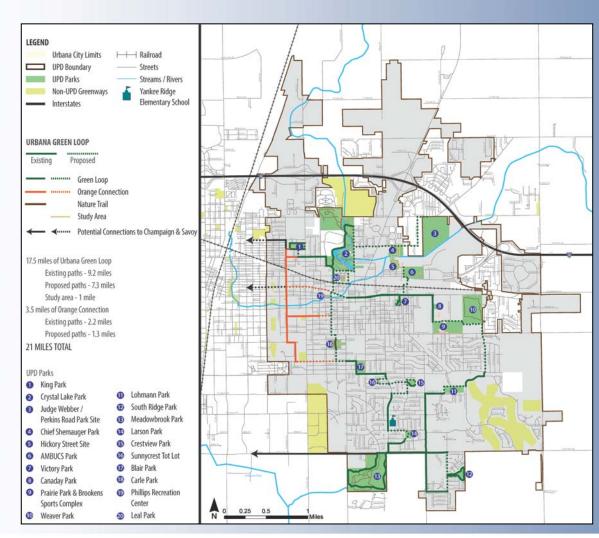


Chapter 8: Recommendations



Urbana Green Loop

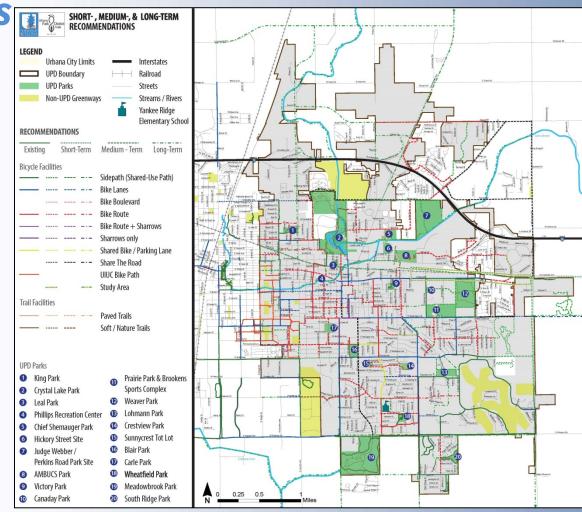
- Loop path consisting of trails and bikeways to connect all Urbana Park District parks
- Goal is to be family-friendly, and give bicyclists destinations to explore and get exercise





Recommendations

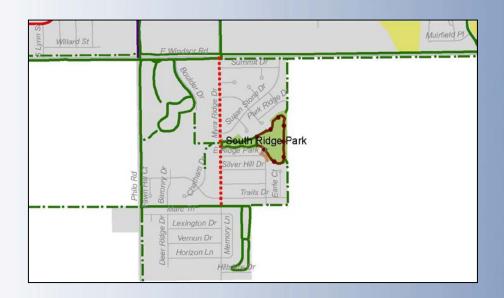
- Short-term (0-5 years)
- Medium-term (6-10 years)
- Long-term (11+ years)
- Aims to connect parks, neighborhoods, and other destinations
- Attempts to take advantage of development & redevelopment opportunities





Existing Trail Improvements

- South Ridge Park
 - West half: widen & resurface existing shared-use trail
 - East half: convert to nature trail





Proposed Loop Trails

- 1. AMBUCS Park (2 loops)
- 2. Blair Park
- Chief Shemauger Park
 (2 loops)
- 4. Crestview Park
- 5. Crystal Lake Park (3 loops)
- 6. King Park (partially complete)
- 7. Lohmann Park
- 8. Prairie Park
- 9. Perkins Road Park Site
- 10. Victory Park
- 11. Weaver Park



Crystal Lake Park



AMBUCS Park



Chief Shemauger Park



Crestview Park



Proposed Linear Trails within Parks

- 1. Larson Park (1 of 2 segments complete)
- 2. Leal Park
- 3. Sunnycrest Tot Lot



Larson Park

Proposed Loop Trails between Parks

- North Urbana Parks Loop Trail
 - 1. AMBUCS Park
 - 2. Chief Shemauger Park
 - 3. Crystal Lake Park
 - 4. Perkins Road Park Site
- East Urbana Parks Loop Trail
 - 1. Brookens Sports Complex
 - 2. Canaday Park
 - 3. Prairie Park
 - 4. Weaver Park
- South Urbana Parks Loop Trail
 - 1. Meadowbrook Park
 - 2. South Ridge Park



North Urbana Parks



East Urbana Parks

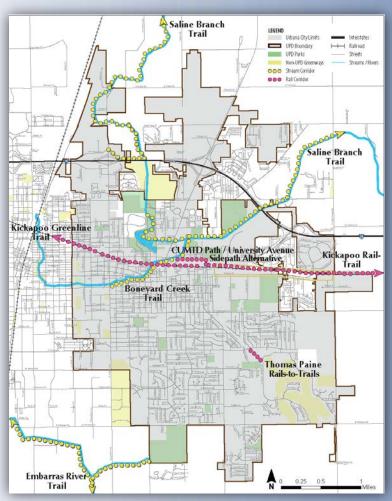


South Urbana Parks



Corridor Trails

- Rail Corridors
 - Kickapoo Rail-Trail (KRT)
 - High Cross Road to Kickapoo State Park
 - Study Area in East Urbana
 - Kickapoo Greenline Trail through Urbana-Champaign
 - Thomas Paine Rail-to-Trail
- Stream Corridors
 - Saline Branch Trail
 - Embarras River Trail



Corridor Trails



Fitness Trails

- Priorities:
 - 1. Crystal Lake Park = High Priority
 - 2. Weaver Park = Medium Priority
- Elements:
 - 1. Trail Layout Map
 - 2. Signage
 - 3. Exercise Stations
 - 4. Fitness Equipment
 - 5. Other Facilities
 - 6. Promotion
 - 7. Implementation
 - 8. Maintenance

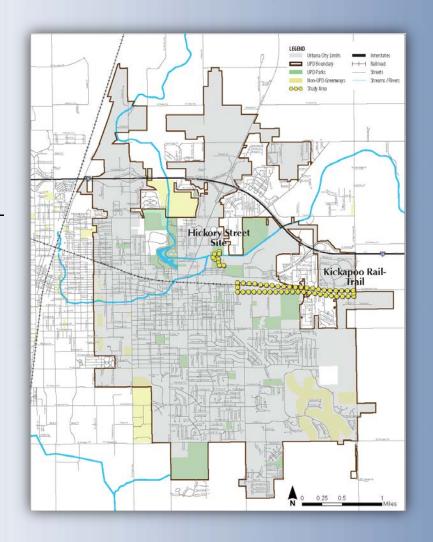


Rendering of fitness trail in Crystal Lake Park along Park Street



Study Areas

- Trail Connection over Saline Branch
 - Between Chief Shemauger & AMBUCS Parks
 - Through Hickory Street Site –
 this is currently not open to
 the public, as storage
 facilities are located here
- Kickapoo Rail Trail (KRT)
 Connection in East Urbana
 - Work with City of Urbana to determine alignment from High Cross Road to Weaver Park and Downtown Urbana





Non-Infrastructure Recommendations (+Votes)

Education

K-12 Bicycle Education Curriculum — 7 Votes

Map Updates and Distribution – 5 Votes

Driver's Education Curriculum — 4 Votes

Share the Road Campaigns — 4 Votes

Bicycle Ambassador Program – 2 Votes

Bicycle Rodeos – 2 Votes

Public Participation — 2 Votes

Availability of Materials in Other Languages

Professional Development – 1 Vote

Adult Bicycle Education — 0 Votes

Law Enforcement Officer Training — 0 Votes



- 1 Vote

Non-Infrastructure Recommendations (+Votes)



Encouragement

Bike Route & Trail Signage — 8 Votes

Open Streets initiative (car-free streets) – 6 Votes

Support for Advocacy Organizations – 6 Votes

Bicycle Friendliness Promotion – 5 Votes

National Bike Month – 5 Votes

Trail Dedication Events & Rides — NEW since PW2



Enforcement

Light the Night – 8 Votes

Bicycle Diversion Program – 6 Votes

Enforce Bicyclist Violations — 4 Votes

Enforce Motorist Violations — 4 Votes

Trail Safety & Security — 4 Votes

Off-Campus Light the Night Event — 3 Votes

Building the Future... Together!



Non-Infrastructure Recommendations (+Votes)



Evaluation

Trail Counts
Annual Trail Survey
Bicycle Level of Service (BLOS)
Pedestrian & Bicyclist Crash Studies
Pedestrian and Bicycle Survey (PABS)
Intersection Safety Index
Economic Impact of Trails
Annual Performance Measure Assessment
Trails Plan Updates

7 Votes
5 Votes
5 Votes
5 Votes
5 Votes
3 Votes

- NEW since PW2

- NEW since PW2



Chapter 9: Implementation



High Priority Infrastructure Recommendations

Urbana Park District Trails Master Plan (UTMP) High Priority Infrastructure Recommendations

- 1) Crystal Lake Park Trail Improvements
 - a) Widen Broadway Avenue sidewalk
 - b) Construct sidepath on Park Street
 - c) Install fitness trail
- 2) AMBUCS Park Small Loop Trail
- 3) Urbana Park District Capital Improvement Plan (CIP) funding Dedicate 5% of UPD CIP funding annually to trail construction and maintenance
- 4) Kickapoo Rail Trail
 - a) Continue to support construction of the trail from Urbana to points east and west
 - b) Work with the City of Urbana to determine the best trail alignment into East Urbana, potentially using Weaver Park as a trailhead
- 5) Urbana Green Loop Trail Work with the City of Urbana and other agencies to install missing loop segments



Infrastructure Recommendation Timeframes

- Short-Term (0-5 Years): 6 projects
 - Planned projects OR
 - Projects within UPD trail development budget OR
 - High priority projects
- Study Areas: 2 projects
 - Kickapoo Rail-Trail: work with City & CCFPD
 - Across Saline Branch: should be analyzed upon project development
- Medium-Term (6-10 Years): 29 project candidates
 - Pool of projects to be developed upon planned park upgrades, park master plan implementation, adjacent city street improvements, and/or for grant applications
 - Plan and recommendations need to be re-evaluated by 2020
- Long-Term (11+ Years): 18 project candidates
 - Pool of projects to be developed using same strategies as Medium-Term projects, but are large in scale and/or long-term projects



Funding Sources

- UPD should dedicate 5% of its annual Capital Improvement Plan (CIP) funding to trails.
 - 1. Construction
 - 2. Acquisition
 - 3. Widening
 - 4. Rehabilitation
 - 5. Sign Installation
 - 6. Amenity Installation (e.g. lights, benches, bike racks, etc.)
- UPD should work with these entities to secure funding for trail projects:
 - Champaign County Greenways & Trails member agencies
 - Public health entities & funding sources
 - Trails for Illinois / Illinois Trail Corps
 - State departments: IDNR, IDOT
- List of funding sources:
 - Source type: public, private, non-profit
 - All 5 E's







Next Steps

- Incorporate UPD staff comments into draft document
- 30 Day Public Comment Period
 - Wed. 10/28/15 Thu. 11/26/15
 - Website: <u>cuuats.org/updtrails/documents</u>
 - Paper copies: UPD office, CCRPC office, Urbana Free Library
 - Incorporate all comments into document
- Urbana Park District Board
 - Tue. 12/1/15 Study Session Presentation
 - Seek plan adoption



Website

www.cuuats.org/updtrails

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Thanks!

