City of Lebanon Parks Master Plan

November 2008

Chapter

One

2008 Lebanon Parks Master Plan

Introduction

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WOOLPERT

1.1 Purpose of the Plan

The City of Lebanon owns and maintains approximately 500 acres of public space including 15 existing parks and 3 potential/future park sites and numerous trail systems including the Lebanon-Countryside YMCA trail. The City conducted a Park and Recreation Needs Assessment in 2002 to evaluate the current park system and determine future park needs of the community. As a result of the Needs Assessment, the City re-calibrated the park impact fee in 2007 to help future park and recreation funding better meet the needs of a growing community. The purpose of the Park Master Plan is to develop a long-term vision for the park system based on community needs identified in the Needs Assessment and through a public planning process. This plan lays out development scenarios for identified priority existing and future park sites in Lebanon and provides vision for connecting the community facilities through a network of trails.

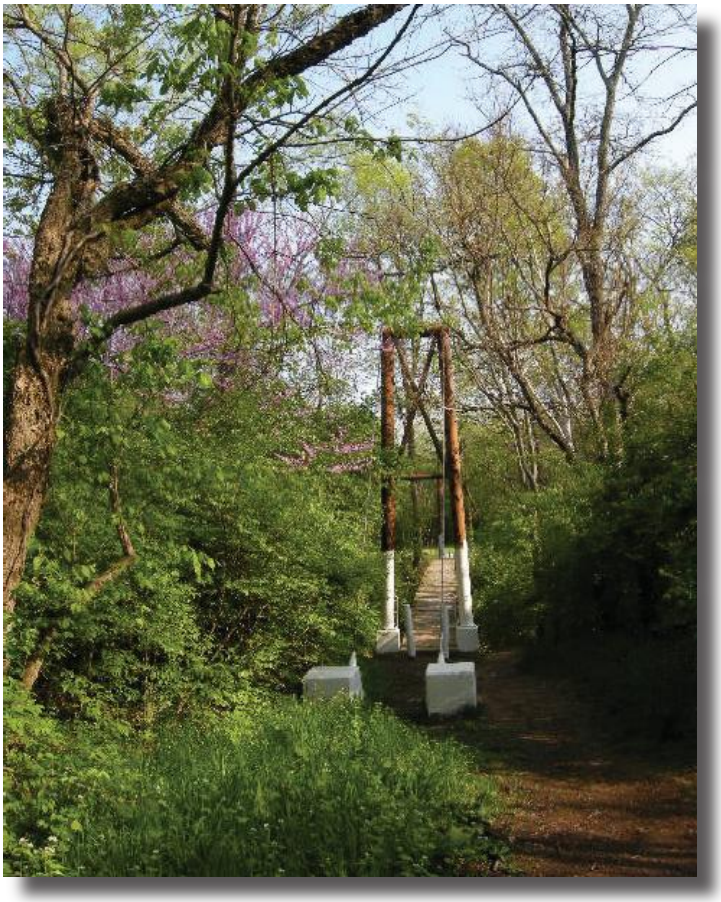
The Park Master Plan identifies new facilities, facility improvements, schematic layout of facilities, and preliminary cost estimates for proposed facilities in each of the identified priority parks. The Master Plan will be used by the City as a guide for decision making related to capital improvements over the next 10 years and beyond.

Vision and Goals for Lebanon Parks System

The Lebanon Parks Master Plan is a long term vision for the parks that provides a framework for the future development of priority parks within the system, and a community-wide trail system that connects the parks to one another and to the community. Future recreation needs and ecological conservation are the primary focus of the plan. It is also anticipated that enhanced connections between the parks will foster additional recreational use of each of the parks and the entire park system.

The Lebanon Park Master Plan is envisioned as a plan that will:

1. Create a solid vision for future City of Lebanon parks needs.
2. Define the role of each City park in the overall Park System.
3. Generate a unified greenway and trail system plan that will link City park & recreation facilities to one another and to the neighborhoods.
4. Create a design vision for the development of Lebanon's Priority Parks.
5. Establish a plan to implement and fund future park facilities.

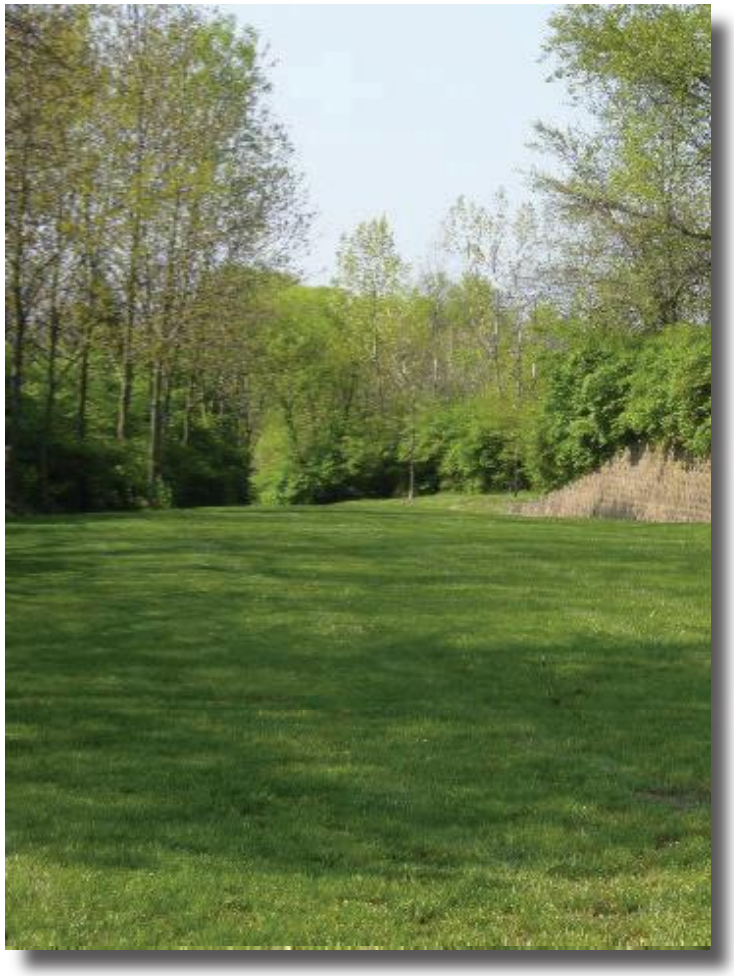


1.2 Project Team

The Parks Master Plan was developed through a public participation planning process led by a Steering Committee. The City of Lebanon would like to thank the following individuals for their time and insight in overseeing the development of this plan.

Recreation Board Members

Todd Balzer – President
Ben Cole
Krista Wamsley
Beverly Ikenberry
Donna Prater
Amber Morris
Dina Hanley
Mike Evans
Jeff Napier
John Leo Cronin
Bob Duncan



Key Stakeholders

Jim VanDeGrift, Harmon Civic Trust /Turtlecreek Township
Joe Roberts, Lebanon School Athletic Director
Kimberly Lapensee, Warren County Regional Planning

City Staff

Scott Brunka, Deputy City Manager
Pat Clements, City Manager

Consultants

Bruce Rankin, Woolpert
Emi Randall, Woolpert
John Cody, Woolpert

1.3 Planning Process/ Methodology

The process included extensive public input through a stakeholder steering committee and public workshops. Guided by this public input, a team of planning and design professionals developed a Park Master Plan.

Assessment

The process began with data collection, inventory & analysis of the existing parks, including site visits and observations. In addition, the design team interviewed key stakeholders with a vested interest in the parks master plan, to identify major park issues, needs, and significant trends in the community. Stakeholders interviewed included the following:

Shirley Bonekemper & Ben Huffman, Warren County Convention & Visitors Bureau
Mark North, Lebanon City Schools
Mike Virelli, Warren County MRDD
Al Hardy, Lebanon Chamber of Commerce
Mike Carroll, Countryside YMCA
Bob Duncan, Wheelie Fun
Jim VanDeGrift, Turtlecreek Township Trustee
Fran Hawkins, Pleasant Square Park Neighborhood
Marsha Rolph, Warren County Soil & Water Conservation District
Don Osborne, Midwest Ohio Baseball League
Vince Murphy, Lebanon Warrior Youth Football
Don Gilmore, Otterbein Retirement Community
Larry Sheridan, Warren County United Soccer
Chuck Dille, Poplar Hill Subdivision HOA
Larry Adkins, Lebanon Youth Soccer Association
Tim Huitger, Boy Scouts/Miller Crossing Subdivision
Gary Groh, Lebanon Baseball & Softball Association

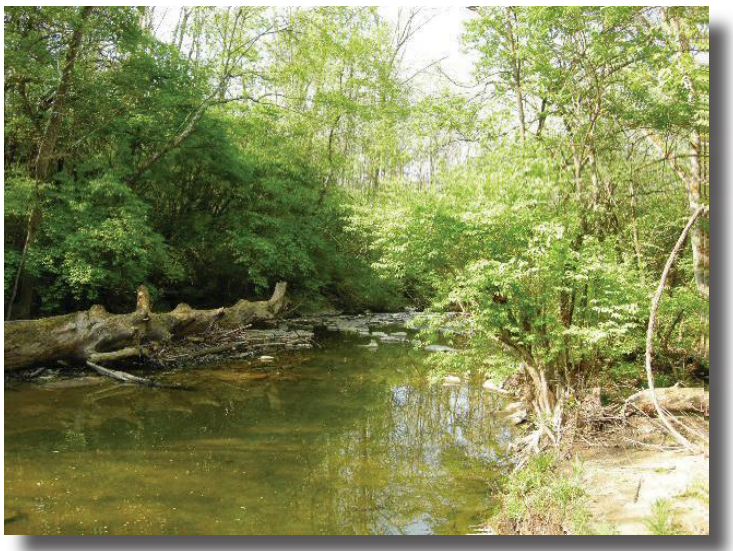
The Steering Committee also provided initial input on parks and community needs. From these discussions, Steering Committee, staff, and the Design Team selected priority parks for further discussion and concept development. The priority parks for the Master Plan are:

Existing Parks

Colonial Park
Harmon Park Corridor
Tecumseh Trails
Lebanon Sports Complex
Miller Park

Future Park Sites

Turtle Creek-Union Road Site
Cook Road
Lebanon Sports Complex Annex/SR 63 Site



Concept Plans

Based on the inventory & analysis, the design team developed 2 alternative development plans for each of the priority parks as well as one draft plan for a community-wide trail network. These plans were reviewed by the public in an open house held at Harmon Park on July 16, 2008.

Preferred Plans

Steering Committee and public comments were used as a basis to refine the 2 alternatives for each priority park into a Preferred Plan for each park. Specific projects were identified for each park based on the Preferred Plans. Preliminary cost estimates were developed for each of the identified projects. The Steering Committee provided an initial priority ranking of projects based on the recorded community needs. The Community-wide Trail Network Plan was further refined and preliminary costs were estimated for various trail sections. The Preferred Plans and their cost estimates were presented in a Public Meeting held at Harmon Park on September 8, 2008.

Final Plans

Based on public comment, the Preferred Plans were further refined into Final Development Plans for each priority park and a final Community-wide Trail Network Plan. An implementation plan was developed for Final Plans including priority projects, cost and funding strategies.

2008 Lebanon Parks Master Plan

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Chapter

Two

2008 Lebanon Parks Master Plan

Inventory Assessment

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WOOLPERT

2.1 Existing Parks and Recreation Facilities

The City of Lebanon Park system encompasses approximately 500 acres of public park space including 15 existing parks, 3 potential/future park sites and the Lebanon-Countryside YMCA trail. The City's park facilities shown on Map 2.1.a. Table 2.1.a. lists all City-owned parks and future park sites along with their acreage, and assigns a park type classification based on the National Recreation and Park Association (NRPA) criteria for local park planning. The NRPA classifications are described in Table 2.1.b.

Runyun Field

Table 2.1.a: Summary of Lebanon Park Facilities

Map Label	Park	Acreage	Park Classification
Existing Parks			
1	Bicentennial Park	2	Mini- Park
2	Christmas Tree Park	0.15	Mini- Park
3	Colonial Park	136	Community Park
4	Corwin Run Park	14	Natural Resource Area
5	Doc & Inez Bowman Nature Study Area	24	Natural Resource Area
6	Gazebo Park	0.15	Mini- Park
7	Harmon Park	39	Community Park
8	Hunters Run	2	Mini- Park
9	June Marie Park	1	Natural Resource Area
10	Lebanon Sports Complex	86	Sports Complex
11	McBurney Hills Park	3	Natural Resource Area
12	Pleasant Square	3	Neighborhood Park
13	Sarah Polly Williams	2	Mini- Park
14	Tecumseh Trails Park	10	Neighborhood Park
15	Will & Harriet Miller Community Park	46	Community Park
Future Park Sites			
16	Turttlecreek Union Rd	45	Sports Complex
17	Cook Rd	8	Neighborhood Park
18	Lebanon Sports Complex Annex - SR 63	84	Sports Complex

Map 2.1.a: Lebanon Park Facilities

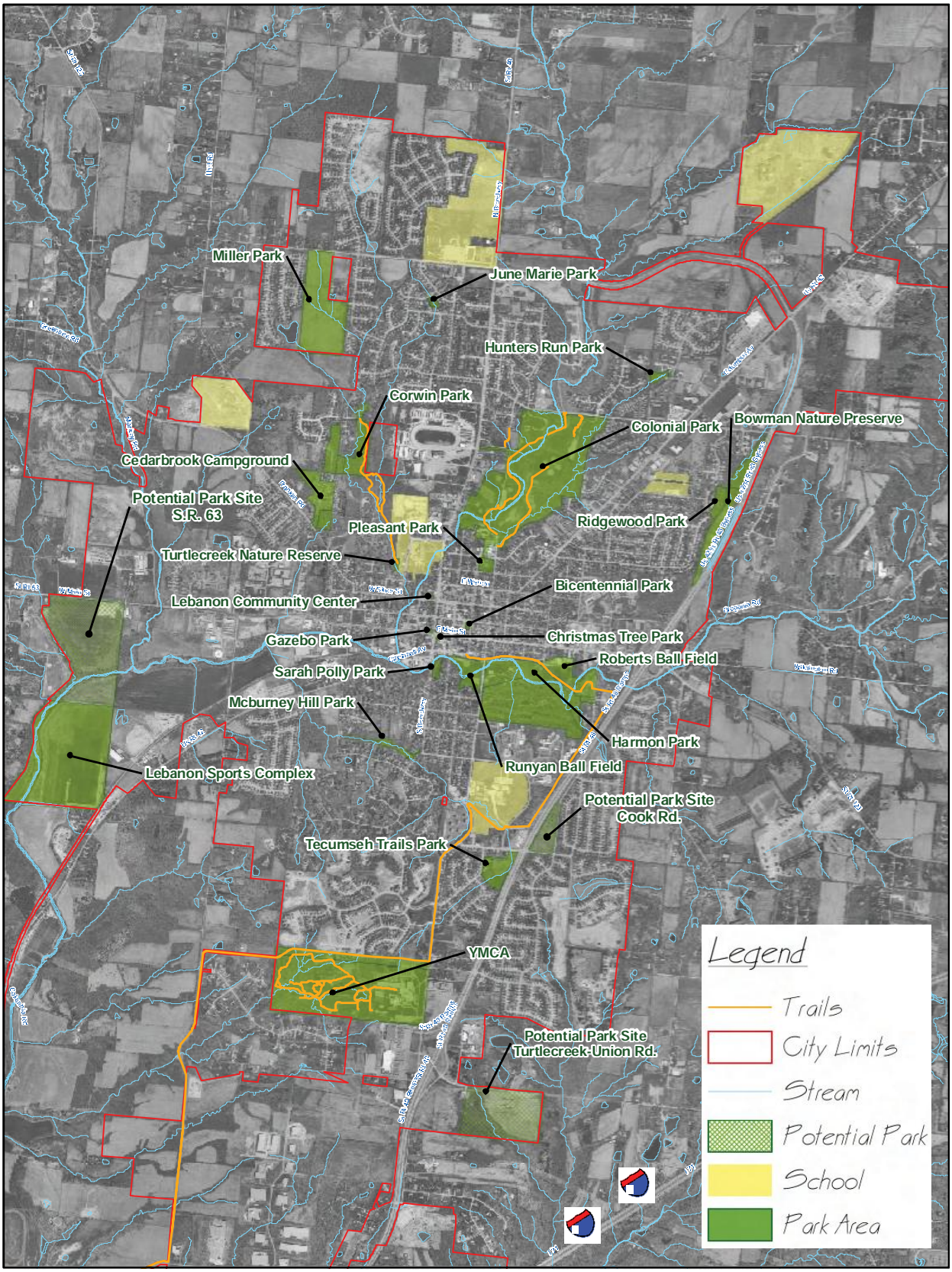


Table 2.1.b: Description of NRPA Park Classifications

NRPA Classification	Description	Size Criteria	Service Area Radius
Mini Parks:	Provides passive recreation facility for a concentrated or limited population group. Tend to be located in downtown, industrial/commercial areas or within shopping districts.	1-2 acres	0.25 mile
Neighborhood Park:	The basic unit of the park system and a recreational and social focus for a neighborhood. Focused on informal active and passive recreation.	At least 5 acres; optimally 5 to 10 acres	0.25 to 0.5 mile
Community Park	Serves broader purpose and area than neighborhood parks. Meets community-based recreation needs. Preserves unique landscapes and open spaces.	30 to 50 acres	0.5 to 3 miles
Natural Resource Area	Lands set aside for preservation of significant natural resources, remnant landscapes, open space, and visual aesthetics/buffering.	None suggested	None suggested
Sports Complex	Consolidation of heavily programmed athletic fields and associated facilities.	At least 25 acres; optimally 40-80 acres	Serves entire community

2.2 Overall Park System Assessment

The needs assessment conducted in 2002 resulted in several recommendations for Lebanon Parks. The recommendations included:

- Develop a community-wide trail network to connect the parks
- Develop a new park to serve the community east of SR 48
- Add playgrounds, picnic areas, an amphitheatre, fishing lake
- Acquire and develop approximately 560 acres of new park space by 2020.

Since this study was conducted, the City has taken great strides toward achieving these goals, with the planned development of three new parks and new facilities at many existing parks.

A series of site visits by the design team to the priority parks resulted in findings that guided this Parks Master Plan. In general, the City has ample park resources that are underutilized but well maintained. The creeks and streams that run through the community are a recurring element throughout the park system that could be developed and celebrated as a theme. Parkland and planned parkland is fairly well distributed throughout the community. Map 2.2.a shows the distribution of parks along with their service areas. The southernmost portion of the community, south of SR 42 is the only

area of the community that does not have adequate park access. However, given the commercial and industrial nature of this portion of the City, the need for parks in this area is not currently a concern.

In addition to site visits, stakeholder interviews were conducted to gain a better understanding of the community's perception of the park system. Following is a summary of the comments from the stakeholder interviews:

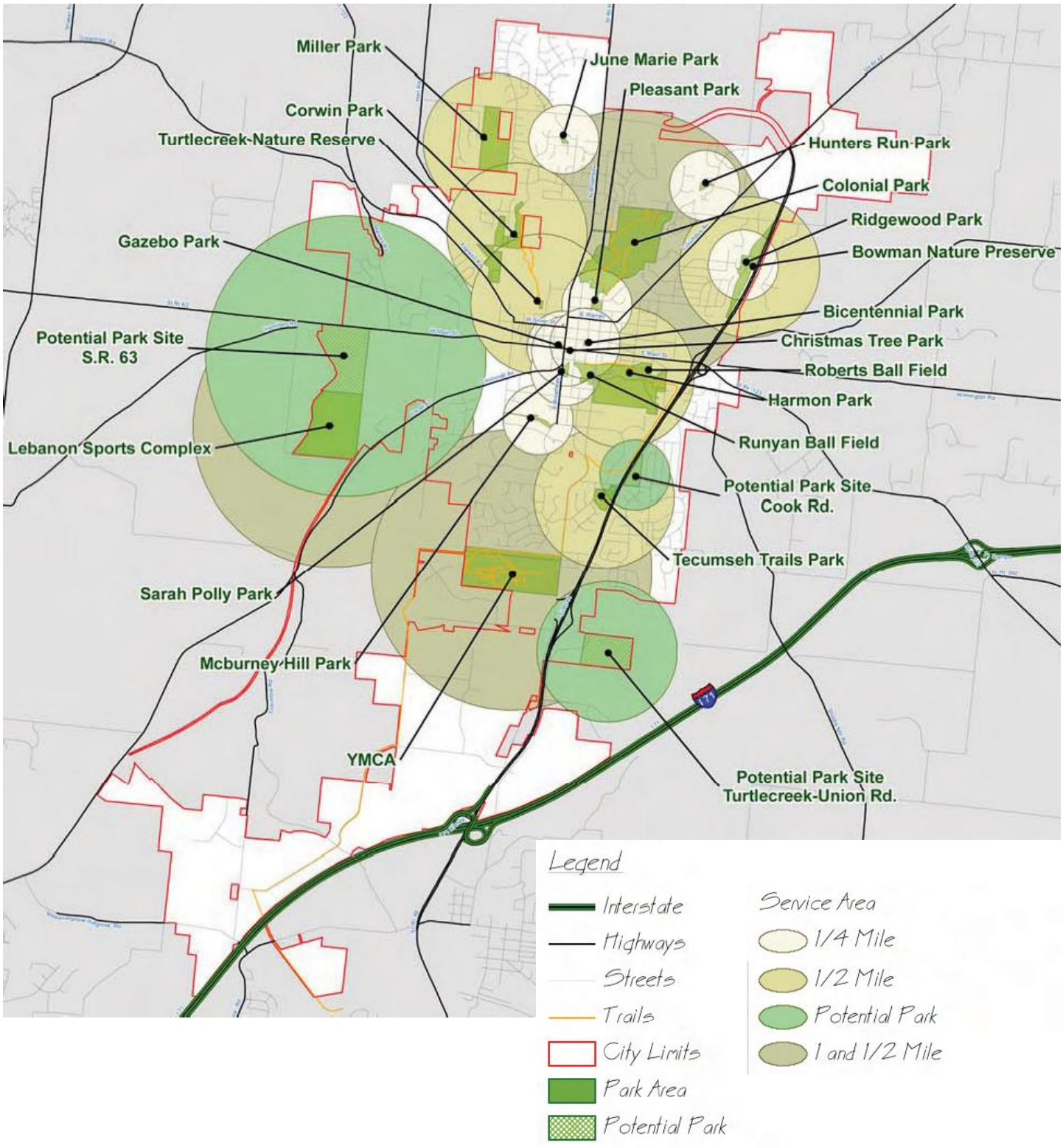
- Overall, the Park System is good and well maintained. Some parks are underutilized and disconnected from the rest of the system.
- Acquisition and preservation of green space for the future is important to residents.
- Colonial Park has great potential for trails and passive recreation, but is underutilized.
- Lebanon Sports Complex is a great resource for the community and the region. This facility should be enhanced to better accommodate the heavy use it receives.
- Active recreation/sports facilities throughout the park system should be enhanced with lighting, restroom facilities and running water.
- Miller Park could provide a great resource for passive recreation and environmental education/ demonstration.
- The Lebanon-Countryside YMCA Trail should be integrated into downtown and connect to Colonial Park, Corwin Park, Turtlecreek Nature Preserve, Lebanon Sports Complex and Miller Park. Additional connections should be made to facilities within the greater region, such as Armco Park and the Otterbein Community.
- Currently, there are no handicap accessible park facilities in the City. Accessible facilities should be incorporated into each park site.
- Additional indoor courts are needed as well as outdoor ball fields and open field space. The City can partner with Lebanon City Schools to provide these recreational facilities.
- An outdoor performing arts space is needed. There are several potential locations for such a space within the park system.
- Some areas of the current Lebanon-Countryside YMCA Trail are unsafe and should be redesigned.
- City should partner with other organizations to enhance the park system, such as the schools, YMCA, Warren County Soil & Water, and Warren County Convention & Visitors Bureau.
- The subdivisions east of SR 48 are disconnected from the Bike Path and Park System. These communities should be better connected to the City.

Trail connection through woods at Colonial North

2.3 Priority Parks Assessment

This plan provides development concepts for eight priority parks in Lebanon. A thorough inventory and analysis was conducted to gain a better understanding of the development potential of each of these sites. Data collection included site visits and field study as well as a series of stakeholder interviews. Additional data can be found in the appendix. Following is a summary of the inventory and assessment for the overall park system as well as each one of the priority parks.

Map 2.2.a: Park Service Areas



Colonial Park

Colonial Park, located in central Lebanon is the City's largest community park (136 acres) and serves a variety of functions. A majority of the park is wooded and divided by two small creeks. Several undeveloped trails traverse the wooded areas. Four unconnected vehicular access points into the park have led to the community's perception of the park as four separated parks; Colonial North, Colonial East, Colonial West and Colonial South. Additional vehicular and pedestrian connectivity within the park will help the community experience its full value and scale. Currently, much of the park is programmed for active recreation and sports events. This park has great potential for passive recreation such as trails and picnic areas that are currently underutilized.

Summary of Recommendations:

- Improve road access to T-ball area for surveillance or relocate ball fields
- Enhance park at Colonial South parking area
- Consider re-locating ball fields to other parks in the system
- Add group picnic and play in open field areas
- Re-organize drive and parking at Colonial North
- Consider walkway loop around Pleasant Square, adjacent to Colonial Park
- Connect and expand trail network throughout Colonial Park
- Link surrounding neighborhoods into trail system
- Expand roadway network throughout Colonial Park
- Investigate opportunity for a water feature
- Improve roadway connectivity
- Add an outdoor performance space for festivals and concerts

Walkway at Colonial West

Basketball court at Colonial North

Shelter at Colonial East

Colonial North

Colonial North is accessed from Monroe Drive and functions as a neighborhood park for the adjacent neighborhood. It features a playground, basketball court, picnic shelter, a soccer field and parking. Colonial North is connected to Colonial West by the walking trail that is accessed from the Parking area. The soccer field is not currently used by any recreational teams. The use of this space should be reconsidered.

Functions as a neighborhood park

Connected to Greater Colonial Park by trail system

Picinic shelter

Unused soccer field is open play area

Colonial East

Colonial East is accessed from Monroe Drive and functions as a sports complex, featuring four ball diamonds, a tot lot, a concession stand, restrooms and parking. This facility is well maintained, but underutilized with the exception of game days. The centralized concession stand and a tot-lot between two of the fields are out-dated and should be redeveloped. In addition, the dug-outs and bleacher areas remain unpaved. Some minor improvements to this facility could improve its overall functionality as a sports complex. In addition, facilities should be added to improve the use of this area during the off-season.

Entrance walk doubles as service drive

Centrally located concession stand - outdated

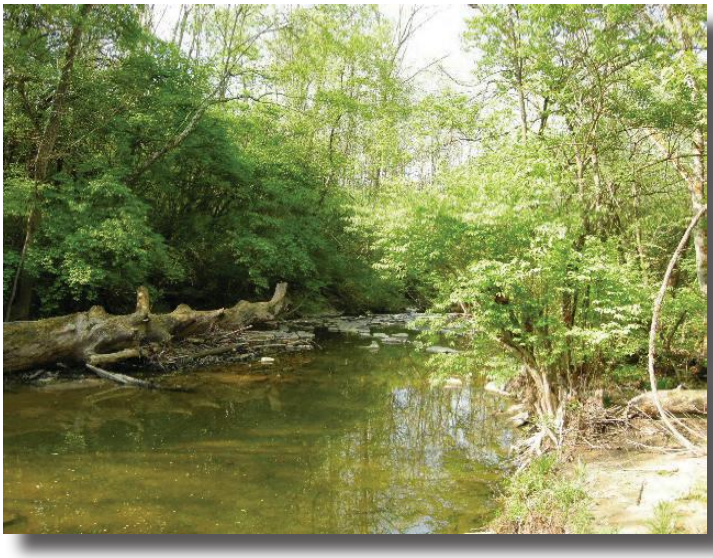
Good quality fields; dugouts & bleacher areas are unpaved

Tot play equipment is outdated

Colonial West

Colonial West is accessed from North Broadway near the Lebanon Raceway. A large open field near the entrance is currently used for festival and event staging. Some upgrades to this area could enhance the utilization of this space for festival events. Colonial West is also home to 2 youth baseball fields and 3 T-ball fields. The T-ball fields are located in a low lying secluded area and suffer from poor drainage and vandalism. Relocation of these fields should be a priority. In addition, Colonial West and Colonial South are connected by a hiking trail that crosses the creek over a charming swinging bridge.

Festival staging area



Access to Turtle Creek

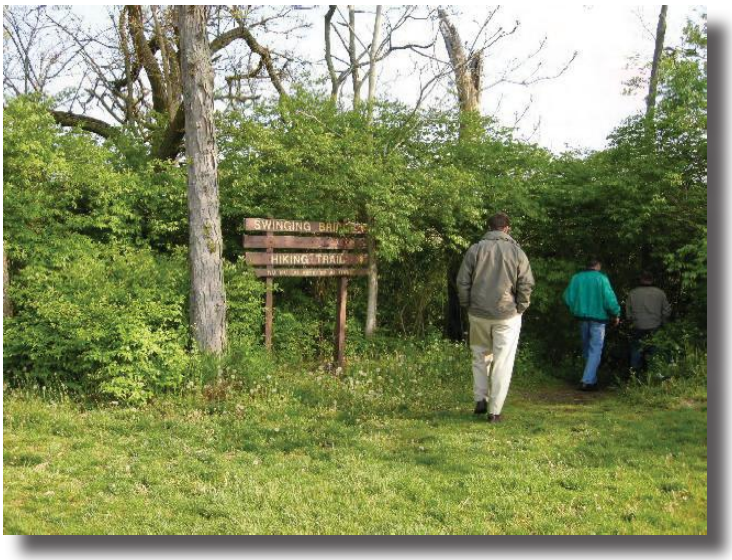
Well maintained access drive

Parking for ball fields

Colonial South

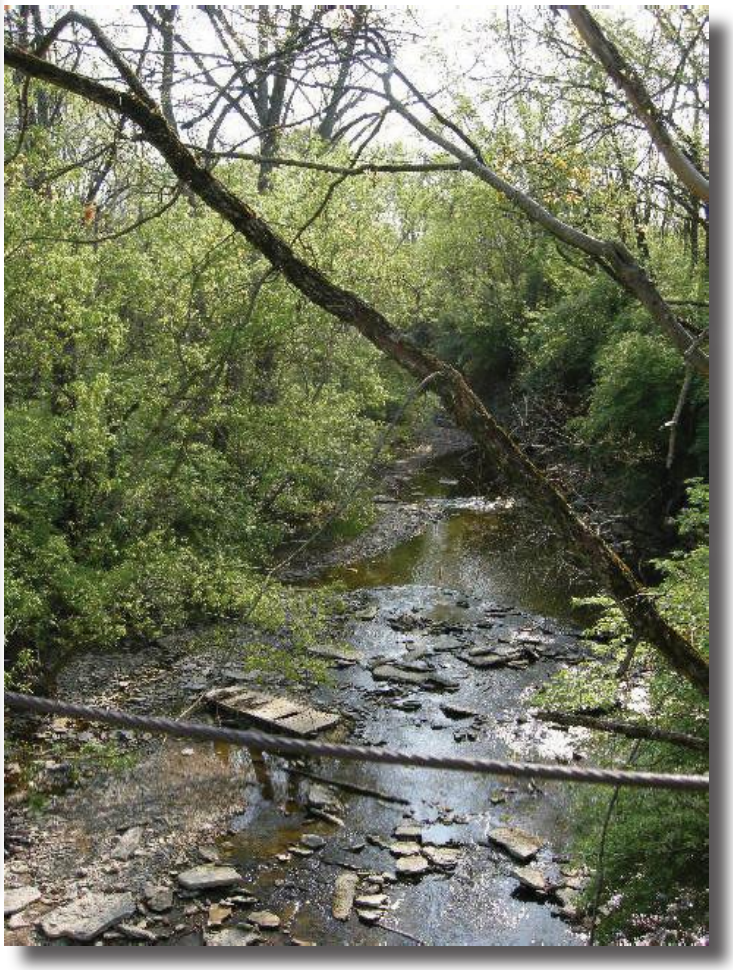
Colonial South is accessible from a service drive at the northern end of N East Street behind the Post Office. Colonial South is the closest park entry point to downtown Lebanon; however it is not well connected. The area features a picnic shelter and parking area. A trail connects the parking area to Colonial West across a swinging bridge.

Shelter structure adjacent to post office parking lot



Well utilized walking trails

Ball fields are secluded from pubic views



Beautiful views of the creek

Amenities:
• Ball Fields
• Restrooms
• Walking Trail
• Playground
• Basketball Courts
• Shelter
• Parking
• Open Fields
Recommendations:
• Improve road access to T-Ball area for surveillance
• Enhance Park at Colonial South Parking Area
• Potential to relocate some fields in other parks
• Opportunity for group picnic play in open field areas
• Reorganize drive and parking at Colonial North
• Potential for walkway loop around pleasant square
• Connect and expand trail network throughout Colonial
• Link neighborhoods into trail system
• Expand roadway network through Colonial
• Potential opportunity for a Water Feature
Lebanon Raceway
Park Access
Festival Staging Area
Basketball Court
Playground
Shelter
Park Access
Potential Access
Wooded Area
N. Broadway
Establish Road Frontage
Open Field
Open Field
Wooded Area
Monroe Rd.
Park Access
Bridge
Concession Stand and Restrooms
T-Ball
Bridge
Overlook
City Leaf Deposit
Open Field
Service Drive
Wooded Area
Tot Lot
Bridge
Playground
Park Access
Basketball Courts
Restrooms
N. Ln.
N. East St.
Columbus Ave.
Legend
Proposed Trails
Existing Trails
Stream
Topography
Views
Parking
Park Boundary
Floodplain
0
200
400
800
Feet
Inventory & Analysis
Colonial Park
Lebanon Parks Master Plan
CITY OF LEBANON OHIO
WOOLPERT
Source: City of Lebanon GIS Department, Woolpert
June 2008

Harmon Park Corridor

Harmon Park is 39 acres adjacent to downtown Lebanon. The park is divided by East Street, which also gives it high visibility. In addition, the Lebanon-Countryside YMCA Bike Trail runs along the northern boundary. The eastern-most portion of the area features naturally wooded areas and the Roberts Ball Field. The central area of the park is home to the community's most popular playground, picnic shelters, restroom facilities, parking, basket ball court and two tennis courts. On the western side of East Street, three tennis courts, Runyun Ball Field and parking provide active recreation adjacent to downtown. A smaller, underutilized pocket park, Sarah Polly Williams Park is connected to the Harmon Park Corridor on the west, at a primary entrance to downtown.

Summary of Recommendations

- Consider locating a performing arts space within the park corridor
- Provide additional bike path connections through downtown
- Increase use of open space/natural areas

Parking for playground & tennis courts

Play structures for all ages

Views of creek

Heavily utilized playground

Inventory & Analysis

Harmon Park, Sarah Polly Park, Runyan Ball Field, Roberts Ball Field

Potential Multi-Use Trail Extension

Bike Path Connection

Trailhead

Open Area

Wooded Area

Potential Gateway Park for Downtown

Wooded Area

Tennis Courts

Basketball Court

Playground

Shelters

Restrooms

Harmon Park Dr

Shelter

Wooded Area

Potential for Walking Trails

Open Area

Possible Foot-Path Loop Connection

Potential Neighborhood Play Area

Open Area

E. Main Street

Mound St.

S. East Street

Amenities:

- Playground
- Shelters
- Tennis Courts
- Bike Path/Trail
- Ball Fields
- Restrooms

Recommendations:

- Potential to locate public performing arts space within Park corridor
- Provide additional bike path connections through downtown
- Increase use of open space areas

Legend

- Proposed Trails
- Existing Trails
- Stream
- Topography
- Parking
- Park Boundary
- Floodplain

0 150 300 600

Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Tecumseh Trails

Tecumseh Trails Park is located in the southeast portion of the City along Navaho Drive. The park features a playground, a tennis court, a basketball court, an unused ball field and natural/wooded areas. The ball field and the open field along the back of the site near SR 48 are not visible from the street, causing them to be underutilized and subject to undesirable activity. The use of this area should be reconsidered.

Summary of Recommendations

- Enhance neighborhood park facilities
- Consider dog park located in open field
- Remove ball field
- Remove mound and trees from obstructing view to back of site
- Bring Lebanon-Countryside YMCA Bike Trail connection through the park
- Remove underutilized tennis court and develop community picnic area

Existing playground structure

Underutilized ball court

Underutilized tennis court

Underutilized ball field/backstop

Cook Road

Warren County owns this undeveloped 8 acre parcel at the intersection of Cook Road and Covenant Way. This site is an ideal location for a neighborhood park to service the neighborhood east of SR 48.

Summary of Recommendations

- Develop the site into a neighborhood park to service the neighborhood east of SR 48.
- Provide playground equipment, shelter, open play field, and basketball courts.

View of Ohio SR 48 buffered by vegetation

Open field with road frontage

Inventory & Analysis

Tecumseh Trails Park & Cook Road Site

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert

June 2008

Lebanon Sports Complex

The Lebanon Sports Complex is a soccer and multi-purpose field complex located off SR 42 on McClure Road. The site is home to approximately 35 permanent soccer fields, rotation field space, parking, concession stand, restroom facility and two shelters. This facility is a vital resource for many sports organizations within the community and supports state and regional sports tournaments, which are an important component of local tourism. The facility should be enhanced to improve function and safety. In addition, there is a need for additional practice field space for football and lacrosse, as well as a multi-purpose tournament facility in the community.

Summary of Recommendations

- Reorganize fields around centralized facilities
- Consolidate and expand parking
- Improve access to fields
- Move levee to add additional field space
- Add centralized restroom and/or concession facility
- Provide additional access into Park from Glosser Road and/or SR 63

Lebanon Sports Complex Annex/63 Site

The City owns a well field adjacent to the existing Lebanon Sports Complex with frontage on SR 63. The site is approximately 84 acres of relatively flat land, a portion of which is located within the 100 year and 50 year floodplains. Although development within the floodplain will be more costly, the adjacency of this site to the existing Sports Complex and access on SR 63 make this site an ideal location for a tournament level sports facility.

Summary of Recommendations

- Bridge the creek to provide a connection from the existing Sport Complex to the new Lebanon Sports Complex Annex
- Develop the site into a tournament level sports facility
- Relocate ball fields from Colonial Park to the new facility

Concession stand not centrally located

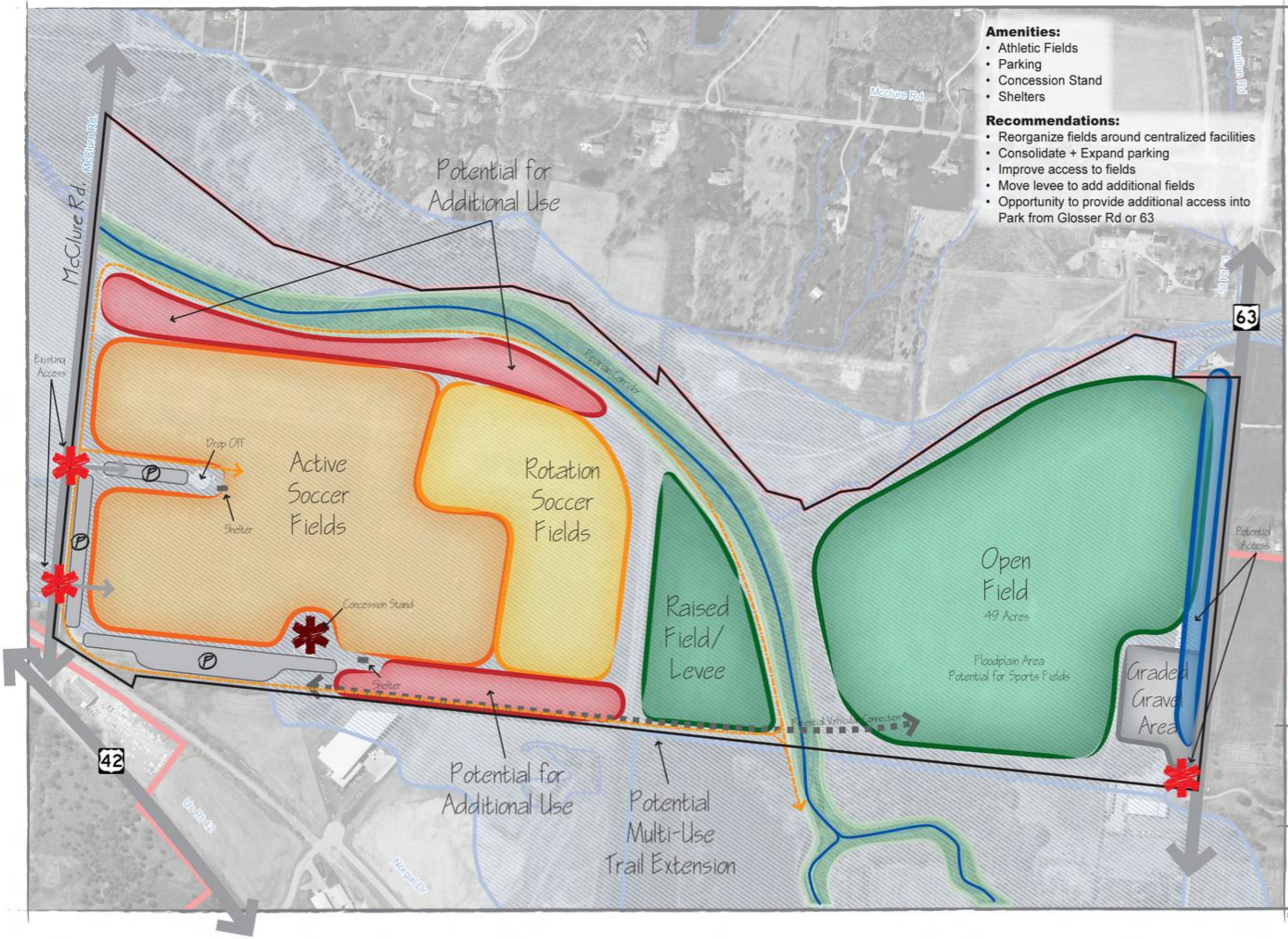
Access along busy Ohio SR 63, site in floodplain

Inventory & Analysis

Lebanon Sports Complex

Amenities:
- Athletic Fields
- Parking
- Concession Stand
- Shelters

Recommendations:
- Reorganize fields around centralized facilities
- Consolidate + Expand parking
- Improve access to fields
- Move levee to add additional fields
- Opportunity to provide additional access into Park from Glosser Rd or 63



Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

William & Harriet Miller Park

Miller Park is a 46 acre passive recreation facility in the northwest quadrant of the City that is primarily undeveloped with two shelters and a planted wildflower meadow. The potential development of this site will be explored in further detail as a part of this plan.

Summary of Recommendations

- Develop into a community park with environmental educational concepts
- Develop a trail system throughout the Park
- Connect the Park to a greater community trail nework
- Develop road access through the site to increase visual surveillance and access

Existing shelter on site, with limited access

Open fields adjacent to residential development

Some back yards open to park site

Street frontage only on one side

Inventory & Analysis
Miller Park

Legend

- Proposed Trails
- Stream
- Topography
- Park Boundary
- Floodplain
- City Boundary

0 100 200 400
Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Turtle Creek Union Road

The City of Lebanon owns this 45 acre parcel on Turtle Creek-Union Road east of SR 48. This site is limited in its development potential due to its former use as a landfill. Potential future uses for this site must not require digging or puncturing the lining of the landfill. This site is relatively secluded from the rest of the community and from housing areas, making it suitable for both active and passive recreation.

Summary of Recommendations

- Preserve natural green space for future
- Develop trails to connect to community-wide trail network
- Utilize wooded lot as a new neighborhood park
- Use former landfill area for multi-purpose sports field space.

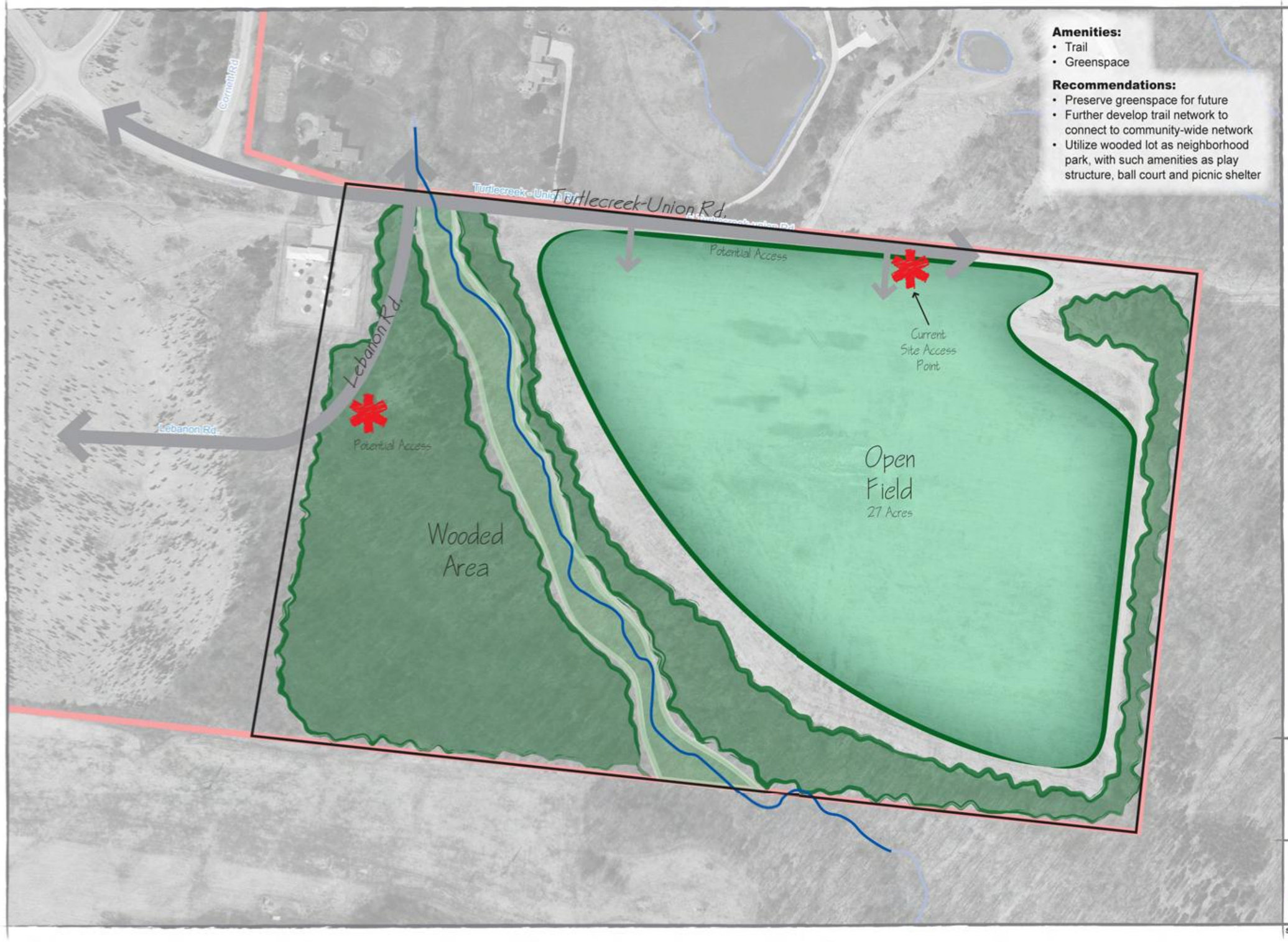
Park Site at Turtlecreek-Union Road looking West

Park Site at Turtlecreek-Union Road looking East

Future Park Site looking East from Lebanon Road

Inventory & Analysis

Turtlecreek - Union Road



Amenities:
- Trail
- Greenspace

Recommendations:
- Preserve greenspace for future
- Further develop trail network to connect to community-wide network
- Utilize wooded lot as neighborhood park, with such amenities as play structure, ball court and picnic shelter

Legend
- Stream
- Topography
- Park Boundary
- Floodplain
- City Boundary

N

0 100 200 400
Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Chapter

Three

2008 Lebanon Parks Master Plan

Proposed Plans

3.1 Park Development Plans *2-16*

3.2 City-wide Trail Network Plan *17-19*

WOOLPERT

3.1 Park Development Plans

Based on the inventory and analysis, the design team generated two alternative plans for each of the priority parks. These alternatives were reviewed and refined through a series of public feedback mechanisms that included; Steering Committee meetings, public workshops, website feedback, and word of mouth throughout the community. This plan refinement process resulted in Development Plans for each of the Priority Parks as well as an overall community-wide Trail Network Plan. These plans are presented and described in the following chapter.

There are some reoccurring themes or design elements that can be found throughout the park Development Plans. These elements reflect community values expressed through the community and stakeholder input throughout the design process and include the following:

- Connect Parks to the surrounding neighborhoods and to one another with trails, sidewalks and bike paths
- Integrate both active and passive recreation facilities in any single park
- Incorporate facilities for year-round use
- Locate amenities for children and youth in highly visible locations
- Utilize existing natural features as amenities
- Enhance the experience, aesthetic and use of existing parks
- Provide opportunities for neighborhood ownership in parks or park elements

The Development Plan for each park provides a schematic vision for the future development of the park and will serve as a guide for the location and type of facilities to be located within the park. These plans are not intended to serve as engineering drawings, as most components of these plans will require additional community input, survey, design and engineering. However, some components may be constructed by the City Public Works or volunteers in the community.

Public Meeting held 9/08/2008 at Harmon Park

Public Meeting held 9/08/2008 at Harmon Park

Colonial Park

The Development Plan for Colonial Park transforms this seasonally used resource into a year-round attraction for the entire community. The Plan achieves a balance of both active and passive recreational facilities, and provides outdoor gathering spaces for families, small groups and the entire community.

The Development Plan for Colonial Park features enhancements to vehicular and pedestrian circulation throughout to unify the currently segmented park. New roads connect Colonial North to Colonial West, Colonial West to Colonial East, and Colonial South to Colonial East. A new access point into the park off North Broadway provides vehicular access and visibility to the proposed pond/water feature.

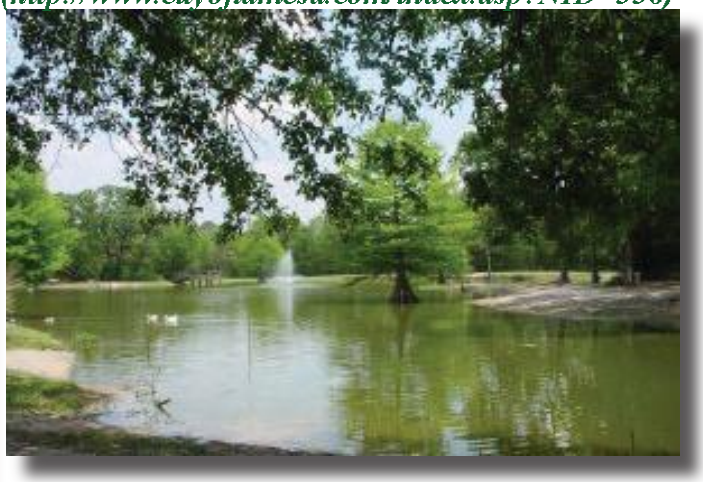
The existing T-ball fields at Colonial West are moved to the unused open field space at Colonial North, and the site of the existing t-ball fields is converted into a fishing pond/water feature. The festival staging area near the current North Broadway access point is enhanced with an amphitheatre. The open field space above the current ball fields at Colonial West is graded to provide overflow parking for community festivals and events. The existing service drive used to access the City's leaf deposit site is extended to connect to Colonial East. In addition, new picnic shelters and parking take advantage of overlook views and the low lying field along the road. Finally, new paths introduced throughout the park offer a variety of connections between spaces and differing trail lengths.

Summary of Enhancements

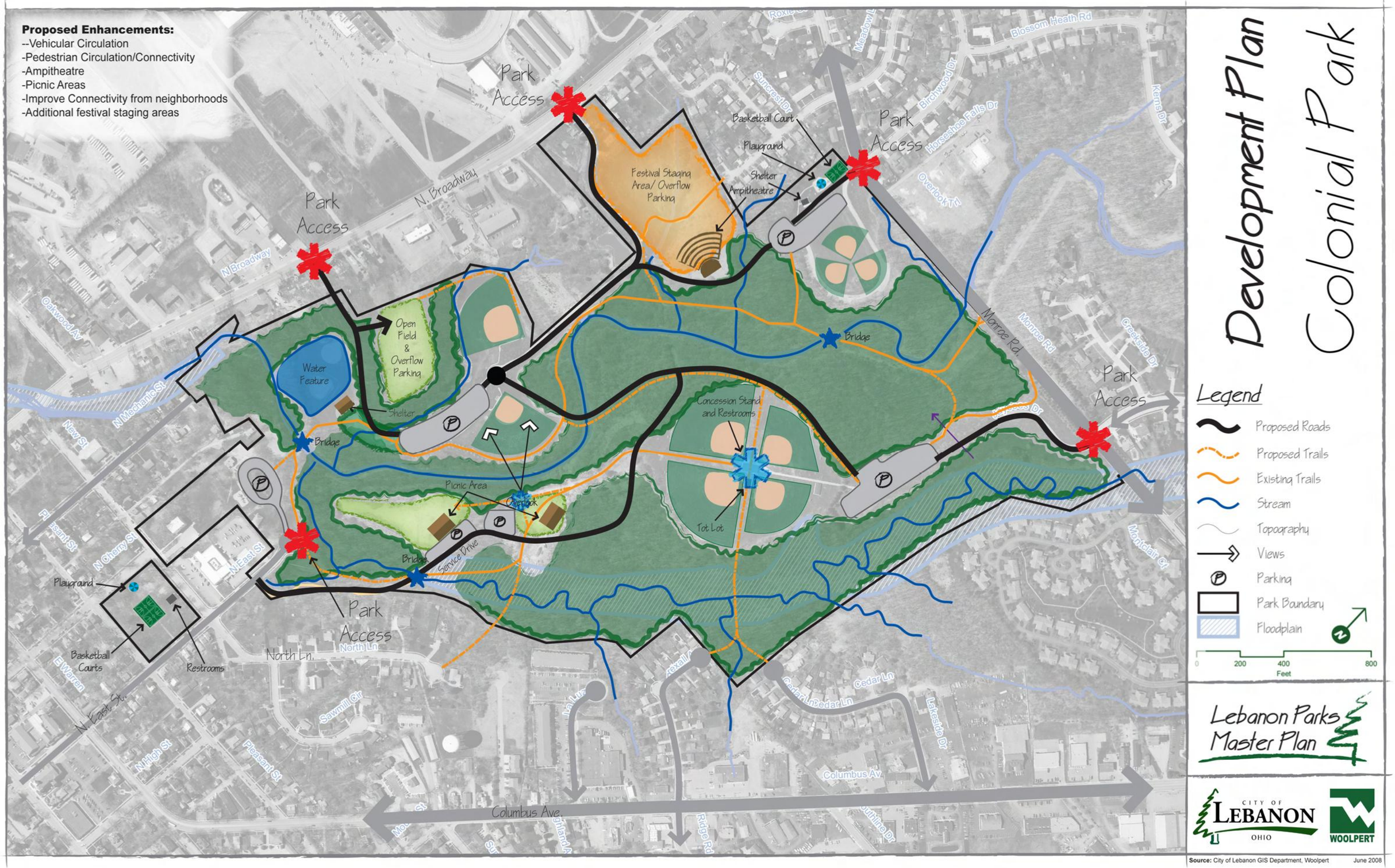
- Additional vehicular circulation
- New vehicular access point off North Broadway
- Additional Pedestrian circulation/connectivity
- Amphitheatre
- Picnic areas
- Improve connectivity from neighborhoods
- Additional festival staging areas

Example: Amphitheatre (http://www.coleraintwp.org/colerain_park.cfm)

Example: Amphitheatre (http://www.cityoflamesa.com/index.asp?NID=556)



Example: Pond/Water Feature (http://www.cstx.gov/home/index.asp?page=663)


Proposed Enhancements:
--Vehicular Circulation
-Pedestrian Circulation/Connectivity
-Ampitheatre
-Picnic Areas
-Improve Connectivity from neighborhoods
-Additional festival staging areas
Park Access
Park Access
Park Access
Park Access
Park Access
Festival Staging Area/ Overflow Parking
Basketball Court
Playground
Shelter
Ampitheatre
Open Field & Overflow Parking
Water Feature
Shelter
Bridge
Bridge
Bridge
Picnic Area
Overlook
Service Drive
Concession Stand and Restrooms
Tot Lot
Playground
Basketball Courts
Restrooms
N. Broadway
N Broadway
Oakwood Av
N Mechanic St
New St
Pleasant St
N Cherry St
N East St
E Warren
N East St
North Ln.
North Ln
Sawmill Cir
N High St
Pleasant St
Columbus Ave.
Columbus Av
Cedar Ln
Cedar Ln
Lakeside Dr
Ridge Rd
Monroe Rd.
Monroe Rd
Creekside Dr
Blossom Heath Rd
Suncrest Dr
Meadow L
Birchwood Dr
Horseshoe Falls Dr
Overlook TE
Kerns Dr
Montclair Ct
Legend
Proposed Roads
Proposed Trails
Existing Trails
Stream
Topography
Views
Parking
Park Boundary
Floodplain
0
200
400
800
Feet
Development Plan
Colonial Park
Lebanon Parks Master Plan
CITY OF LEBANON OHIO
WOOLPERT
Source: City of Lebanon GIS Department, Woolpert
June 2008

Harmon Park Corridor

Harmon Park is a well utilized existing community park just south of Downtown Lebanon with a playground, shelters, restrooms, parking and two tennis courts. Adjoining areas along the Downtown open space corridor include Roberts Ball field, Runyun Ball Field, tennis courts, basketball courts, Sarah Polly Park and wooded areas to the east accessible by the Lebanon Countryside YMCA Bike Path. The Development Plan for the Harmon Park Corridor unifies these public open spaces with trail connections and new recreational facilities to attract residents from throughout the community to downtown, making Harmon Park a true destination.

The plan for this corridor includes a new disk golf course in the unused wooded area east of Harmon Park. A new parking lot at the southern end of Mound Street serves as a starting point for the disk golf course. In addition, a new neighborhood play area adjacent to Roberts field will increase activity in this area. The disk golf course meanders through the wooded area and across the existing pedestrian/bike bridge over the Creek. The hill south of the playground and tennis courts in Harmon Park is currently used for sledding in the winter. This area will be celebrated as Lebanon's sledding hill with the addition of signage and grading to enhance the sledding experience.

Example: Sledding Hill (http://www.bgohio.org/parks-and-recreation/parks/conneaut_park.html)

Example: Disk Golf (http://www.eastpennsboro.net/assets/images/DiskGolf_Kid_2_300.jpg)

Example: Disk Golf Hole/Basket (http://www3.eou.edu/imsports/summer_sports.htm)

Example: Disk Golf Tee Sign (http://www.disc-golfassoc.com/discgolf-equipment/tee-signs/index.

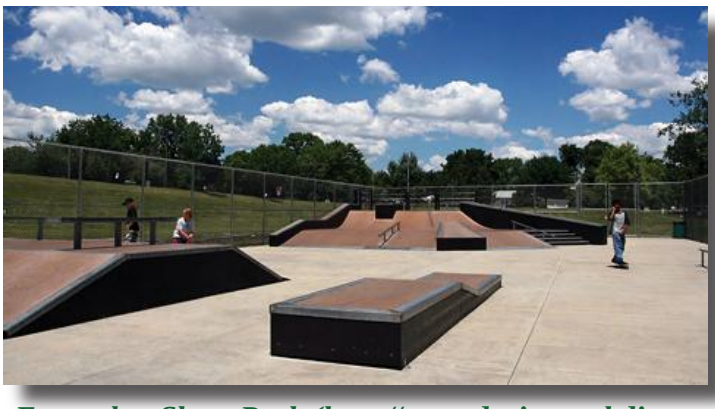
Harmon Park Corridor Cont.

Sarah Polly Park is currently an underused park that could serve as a gateway to downtown from South Broadway. The location of this site is also in close proximity to downtown parking and tourist attractions, making it a great location for arts and cultural events. The plan illustrates or shows development of an amphitheatre and sculpture garden/art display space at this site to service the community and the downtown corridor.

In addition, there is a need within the community for a skate park to serve the youth. Although the Countryside YMCA has a skate park facility, the facility is tailored to bicycles instead of skate boards and is not easily accessible to downtown youth. This Harmon Park corridor, given its centralized location within the community, is a great location for such a facility. The Development Plan includes a skate park between S. East Street and Runyun Field, in the flat floodplain area that is easily viewed from the street.

Summary of Enhancements

- Disc golf course
- Skate Park
- Enhancements to existing playground area, including a shade structure
- Enhance natural barrier to golf course
- Sculpture garden and amphitheatre at Polly Park
- New internal trail network with connections to existing Lebanon bike path
- Emphasize the Sledding Hill as a community recreation resource
- New playground area near Roberts Field



Example: Skate Park (http://www.darienparkdistrict.com/images/SkatePark1.jpg)

Example: Skate Park (http://www.massresort.com/images/gallery/400/SkateParkAngelo.jpg)

Example: Amphitheatre (http://www.neath-porttalbot.gov.uk/default.aspx?page=2482&pr_id=1867)

Development Plan

Harmon Park, Sarah Polly Park, Runyan Ball Field, Roberts Ball Field

Proposed Enhancements

- Disc Golf Course
- Enhance Natural Barrier to Golf Course
- Sculpture Garden & Amphitheater at Polly Park
- New Internal Trail Network with Connections to Existing Lebanon Bike Path
- New Playground Area Near Roberts Field

Bike Path Connection

Sculpture Garden

Amphitheater

Wooded Area

Wooded Area

Pedestrian Crossing

Basketball Court

Runyan Field

Skate Park

Trail

Playground

Shelters

Restrooms

Harmon Park Dr

Lebanon Sledding Hill

Harmon Park

Shelter

Neighborhood Play Area

Disc Golf

Roberts Field

Tennis Courts

Enhance Natural Barrier to Golf Course

Bridge

Riparian Corridor

Disc Golf

Cincinnati Av

S Broadway

S Mechanic St

E South St

S Cherry St

S High St

Parkview St

E Main St

Chillicothe Av

E Mulberry St

Mound St

Stokes St

Stillwell Pl Stillwell Pl Stillw

Pl Stillwell Pl

Taylor St

Wright Av

W Orchard Av

Deerfield Rd

S East St

E Park Av

Maple Av

Justice Dr

Jamieson Ln

Christian Ln

SR 48

Legend

- Proposed Trails
- Existing Trails
- Stream
- Topography
- Parking
- Park Boundary
- Floodplain

N

0 150 300 600

Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Tecumseh Trail Park

The Development Plan for Tecumseh Trail Park converts a large unused open space into a much-needed community facility, a dog park. The portion of this park that is currently a neighborhood park, is updated with new facilities tailored to meet current community needs.

The existing Tecumseh Trails neighborhood park is enhanced through the addition of a picnic area and shelter. The unused tennis court is removed and replaced with a field for lawn games and open play. The existing unused ball field area at the back of the site near Route 48 is developed into a community dog park. A parking lot accessed from Cook Road across from the Animal Shelter will provide ample parking for residents throughout the City. The dog park will feature a fully fenced area for open leash dog play, benches, and walking trails. In addition, a new bike trail, detouring from the Lebanon Countryside YMCA Bike Trail, follows along Navaho Drive, through the park, across Cook Road and continues on Justice Drive to reconvene with the existing trail.

Summary of Enhancements

- Dog park with parking area and walking path
- Neighborhood picnic area
- Walking paths and new bike route connection
- Removal of ball field
- Open playfield replaces tennis courts

Example: Dog park (http://www.townofcary.org/depts/prdept/parks/

Example: Dog Park (http://www.cheltenhamtownship.org/parks/dog-park.htm)

Illustrative Section/Elevation of Tecumseh Trails Park

Cook Road New Park

The park site at Cook Road east of Route 48 at Covenant Way will be developed into a neighborhood park to serve the community. Residents from the surrounding neighborhood seek a gathering space for families and a play space for children and youth.

The Development Plan for Cook Road Park features playground areas for both pre-school and school-age children with a shelter to provide shade and a social gathering space for accompanying adults. Two basketball courts and two tennis courts flank the northern end of the park with a looping trail system. The trail connects park amenities and encompasses an open playfield that can be used for lawn games, casual field sports, fireworks viewing and dog walking. Trees and vegetation are added along both sides of Covenant Way. These elements provide a park-like feel along the street and enhance the privacy buffer between the new park and the backyards of homes on Covenant Way.

Example: Shelter (http://falconheights.govoffice2.com/index.asp?Type=B_BASIC&SEC=%7B7DF4E0BD-F0CB-4508-955F-AC2E2F595CAD%7D)

Summary of Enhancements

- Neighborhood picnic shelter
- Playground
- Basketball court
- Tennis court
- Open lawn/play area
- Walking paths

Illustrative Section/Elevation of Covenant Way at Cook Road Park Shelter

Development Plan

Tecumseh Trails Park & Cook Road Site

Tecumseh Trails Park Proposed Enhancements

- Dog Park with Parking Area and Walking Path
- Neighborhood Picnic Area
- Walking Paths and New Bike Route Connection
- Removal of Ball Field
- Tennis Court Replaced by Open Play Field

Cook Road Site Proposed Enhancements

- Neighborhood Picnic Shelter
- Playground
- Basketball Court
- Tennis Court
- Open Lawn / Play Area
- Walking Paths

Legend

- Proposed Trails
- Stream
- Topography
- Park Boundary
- Floodplain

0 100 200 400 Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Lebanon Sports Complex

The Lebanon Sports Complex, as described in Chapter 2, is an existing flexible field space currently used by several local youth sports organizations. Several improvements need to be made to this site to improve function and safety. First, a new single access point on the southwest corner of the site on McClure Road improves stacking distance and circulation. A new road circles around the field space, accessing a new large parking lot at the back of the site along Turtle Creek. A new centralized concession stand and restroom building are easily accessible from all fields by clearly marked pedestrian corridors with paved paths. Finally, a new playground near the U6 fields offers a place for younger siblings to play during practice and an outer ring pedestrian path gives parents an opportunity to exercise.

Summary of Enhancements

- Preserve a pedestrian corridor between parking and fields
- Establish road around entire site
- Add additional parking to north of fields
- Playground facility
- Centrally located restroom/concession stand
- Fitness trail

Example: Five diamond pinwheel with central concession stand (http://test.www.eteamz.com/

Lebanon Sports Complex Annex/63 Site

The Development Plan for the Lebanon Sports Complex Annex features a Tournament facility to support open field sports activities that utilize the existing Lebanon Sports Complex. In addition, the Annex site will feature a new baseball/softball complex to meet the growing demand for ball fields in the community. The Annex site is connected to the existing Lebanon Sports Complex site via a new bridge across Turtle Creek. A road extends from the new bridge to Route 63. The Annex site features two five-field ball diamond pinwheels fronting on Route 63 with four junior fields and one senior field per pinwheel. Each pinwheel has its own restroom/concession stand facility and playground. Along the back portion of the site, in close proximity to the existing Sports Complex, is a tournament facility with a turf field and two quarter-final fields. These fields accommodate a variety of field sports including soccer, lacrosse and football. Ample parking, vehicular circulation and pedestrian paths conveniently accommodate users.

Summary of Enhancements

- Road connection to Lebanon Sports Complex and access to SR 63
- Turf field tournament facility with flexible field space for soccer, lacross and football
- 8 Jr. ball fields
- 2 Sr. ball fields
- Parking facilites
- Concession stand/restroom facilities
- Playground facilities

Example: Turf Field with Bleachers (http://www.unionathletics.com/Sports/general/2005/Union_Athletic_Facilities.asp)

Development Plan

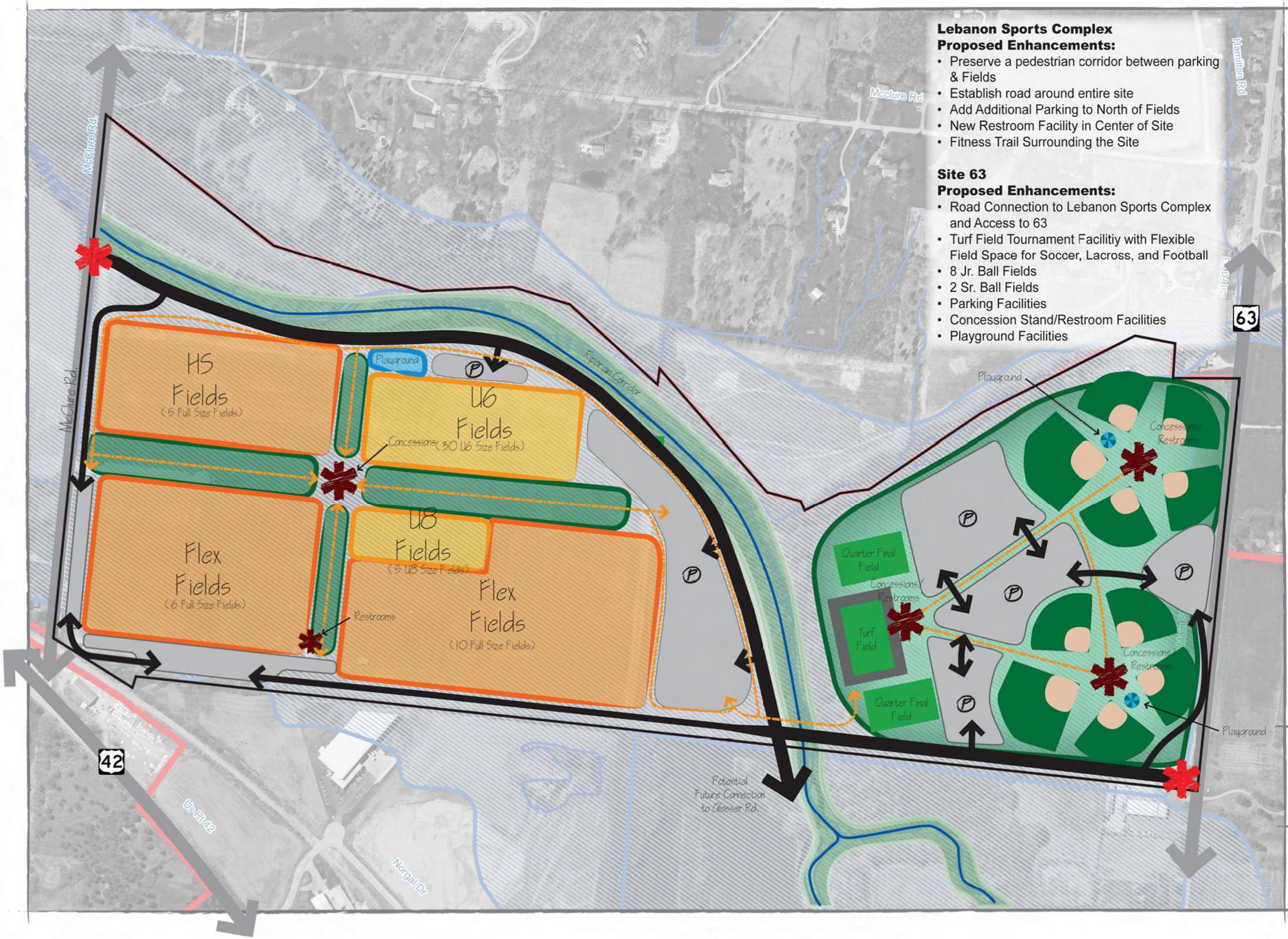
Lebanon Sports Complex

Lebanon Sports Complex
Proposed Enhancements:

- Preserve a pedestrian corridor between parking & Fields
- Establish road around entire site
- Add Additional Parking to North of Fields
- New Restroom Facility in Center of Site
- Fitness Trail Surrounding the Site

Site 63
Proposed Enhancements:

- Road Connection to Lebanon Sports Complex and Access to 63
- Turf Field Tournament Facilitiy with Flexible Field Space for Soccer, Lacross, and Football
- 8 Jr. Ball Fields
- 2 Sr. Ball Fields
- Parking Facilities
- Concession Stand/Restroom Facilities
- Playground Facilities



Legend

- Proposed Road
- Proposed Trails
- Stream
- Topography
- Parking
- Park Boundary
- Floodplain
- City Boundary

N

0 200 400 800
Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Miller Ecological Park Development Plan

The Development Plan for Miller Park turns this open space into a unique community resource, an ecological and environmental demonstration site. The community expressed an interest in such a site, to facilitate projects and provide resources for scouts, school groups, garden clubs, and conservation organizations. Miller Ecological Park will fulfill a need in the community for an environmental restoration and demonstration site, as well as a neighborhood park.

A new road provides access into the site connecting Miller Road to Huntley Court. A neighborhood park area along the road frontage of Miller Road and south of the new access road, features a playground, shelter, tennis courts, basketball courts and parking. The remaining northern half of the site is an education/demonstration garden. The southern half of the park is planned for a variety of vegetative habitats, including riparian corridor, wetland, wildflower meadow, and early successional forest. The Miller Park presents an opportunity for the City to partner with civic groups, garden clubs, scouts and local school to develop a community educational garden and learning site.

Summary of Enhancements

- Demonstration gardens
- Neighborhood park area with play structures
- Basketball and Tennis courts
- Open field/Play area
- Expanded wildflower meadow
- Pedestrian trail network
- Vehicular drive through park

Example: Wildflower Meadow (http://www.pbase.com/bioman10/image/34165579)

Example: Demonstration Garden (http://biology.missouristate.edu/Herbarium/botanical_gardens_and_arboretum-2.htm)

Example: Wetland Habitat (http://www.erie-county-ohio.net/eswcd/wildlife/est_wildlife.htm)

Development Plan

Miller Ecological Park

Proposed Enhancements:

- Demonstration Gardens
- Neighborhood Park area with Play Structures
- Basketball & Tennis Courts
- Open Field/Play Area
- Expanded Wildflower Meadow
- Pedestrian Trail Network
- Vehicular Drive through Park

Pond Ct
Crandin Ln
Hampton Ct
Hampton Ct.
Residential Backyards
Wooded Area
Wildflower Meadow
Early Successional Forest
Shelter
Wetland Area
Drainage Swale
Educational/ Demonstration Garden
Miller Rd
Riparian Habitat
Drainage
Shelter
Wildflower Meadow
Wetland Habitat
Wetland Habitat
Educational/ Demonstration Garden
Maintain Buffer
Existing Farm
Residential Backyards
Evelyn Ct
Kuntz Dr
Huntley Ct
Gregory Ct
Julie Ct
Katherine Av
Katherine Ave.
Miller Road

Legend

- Proposed Roads
- Proposed Trails
- Stream
- Topography
- Park Boundary
- Floodplain
- City Boundary

N

0 100 200 400
Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

Turtlecreek-Union Road New Park

This park is planned to meet the growing need for flexible field space that can be used for soccer, lacrosse, football and other field sports. Because this land is relatively flat, the Turtlecreek-Union Road site is an excellent location for sports fields. In addition, this use will not be limited by the fact that it is a capped landfill.

The Development Plan features two access points, one on the western edge and one on the eastern edge, which deliver traffic to a centralized parking area. Four flexible field areas flank the parking area with a walking path, aiding circulation to and from parking. A pump-out restroom will be provided at each end of the parking area. The building on the west will also feature a concession stand. The walking path that encompasses the playing fields includes a side path that crosses the creek on the west, to a new neighborhood playground site on Lebanon Road. This playground will serve the newly developed residential neighborhoods to the southwest as well a families utilizing with Turtlecreek-Union Road Sports Park.

Summary of Enhancements

- Multi-Purpose sports field space
- 2 permanent pump-out restrooms
- Parking facilities
- Pedestrian path system
- Concession stand

Example: Modular Restroom Building (http://www.restroomsolutions.com/gallery.htm)

Example: Flexible Sports Field (http://ccgovernment.carr.org/ccg/recpark/sports-c/tour.asp)

Development Plan

Turtlecreek - Union Road

Proposed Enhancements:

- Multi-Purpose sports field space
- 2 Permanent Pump-out Restrooms
- Parking facilities
- Pedestrian Path System
- Concession Stand

Legend

- Proposed Road
- Stream
- Topography
- Park Boundary
- Floodplain
- City Boundary

N

0 100 200 400
Feet

Lebanon Parks Master Plan

CITY OF LEBANON OHIO

WOOLPERT

Source: City of Lebanon GIS Department, Woolpert June 2008

3.2 City-wide Trail Network Plan

The City-wide Trail Network Plan features new trail connections along major roadways and riparian corridors throughout the community, connecting parks to one another and to adjacent neighborhoods. The trail network has been divided into segments as shown on the Lebanon Trail Sections Map. The Downtown Section consists of on-street bike lanes through downtown along S. West Street, S. East Street, N. East Street, N. Cherry Street, E. Warren Street, E. South Street, S. Sycamore, and N. Water Street. A new path adjacent to North Broadway connects downtown to Colonial Park and north to Miller Road.

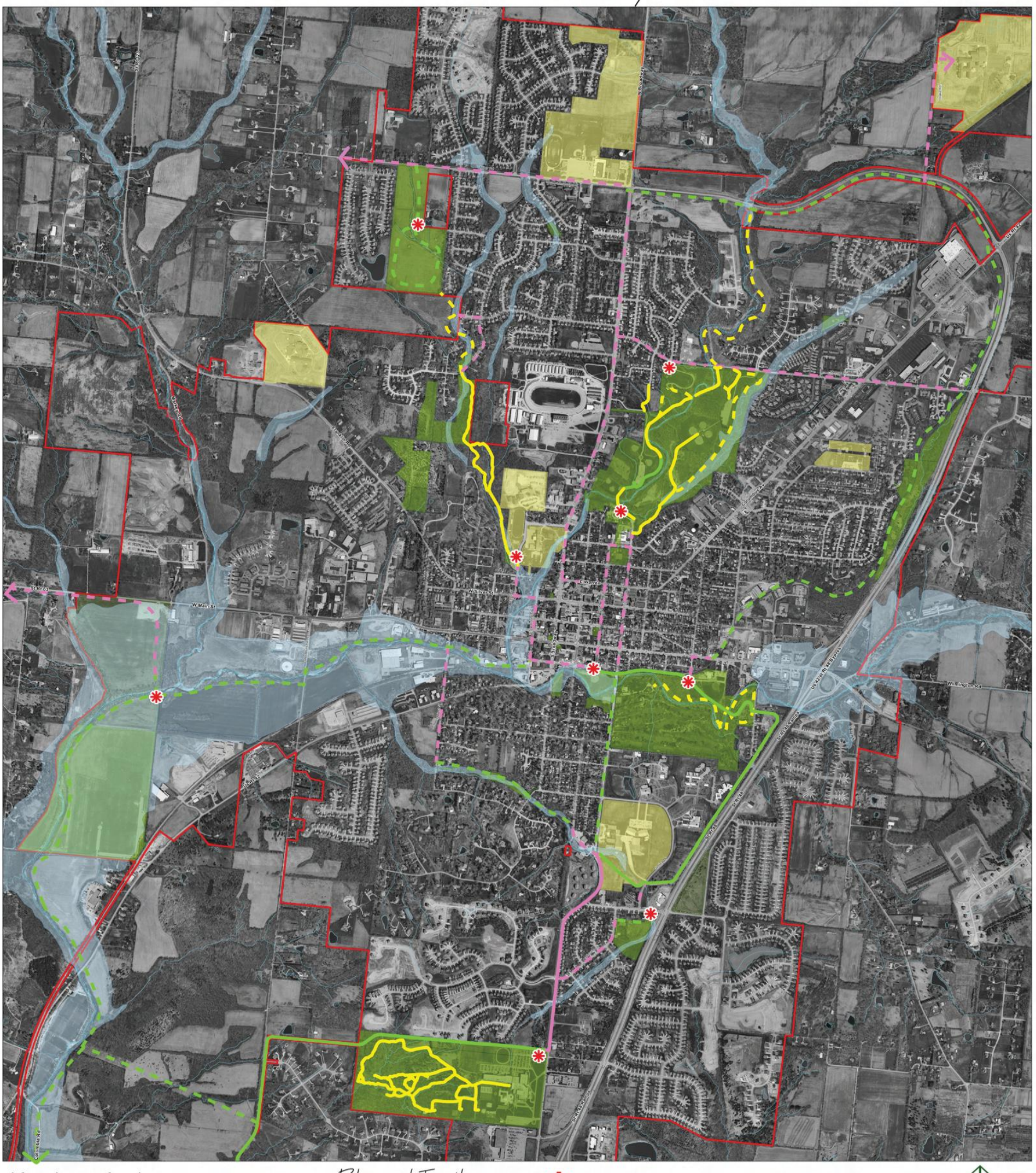
A new northern Loop follows Route 48 north, west along Miller Road, through Miller Park and then connects back south to downtown through Corwin Park and the Turtlecreek Nature Preserve Trail. The Colonial Connector features an on-street path along Monroe Road from Route 48 to North Broadway as well as a new multi-use path connection north from Colonial East to Miller Road along an existing riparian corridor. The Turtle Creek loop connects downtown to the Lebanon Sports Complex along the Turtlecreek Riparian corridor. South of the Lebanon Sports Complex, the path turns east along a utility corridor and connects back to the Lebanon Countryside YMCA Trail south of the YMCA. Finally, some enhancements to the Lebanon Countryside YMCA Trail include a new detour along Navaho Drive and Justice Drive, connecting to Tecumseh Trails Park. In addition, the City of Mason is planning to extend their bike path system from Mason Sports Park to connect into the Lebanon Countryside YMCA Trail and the Little Miami Trail.

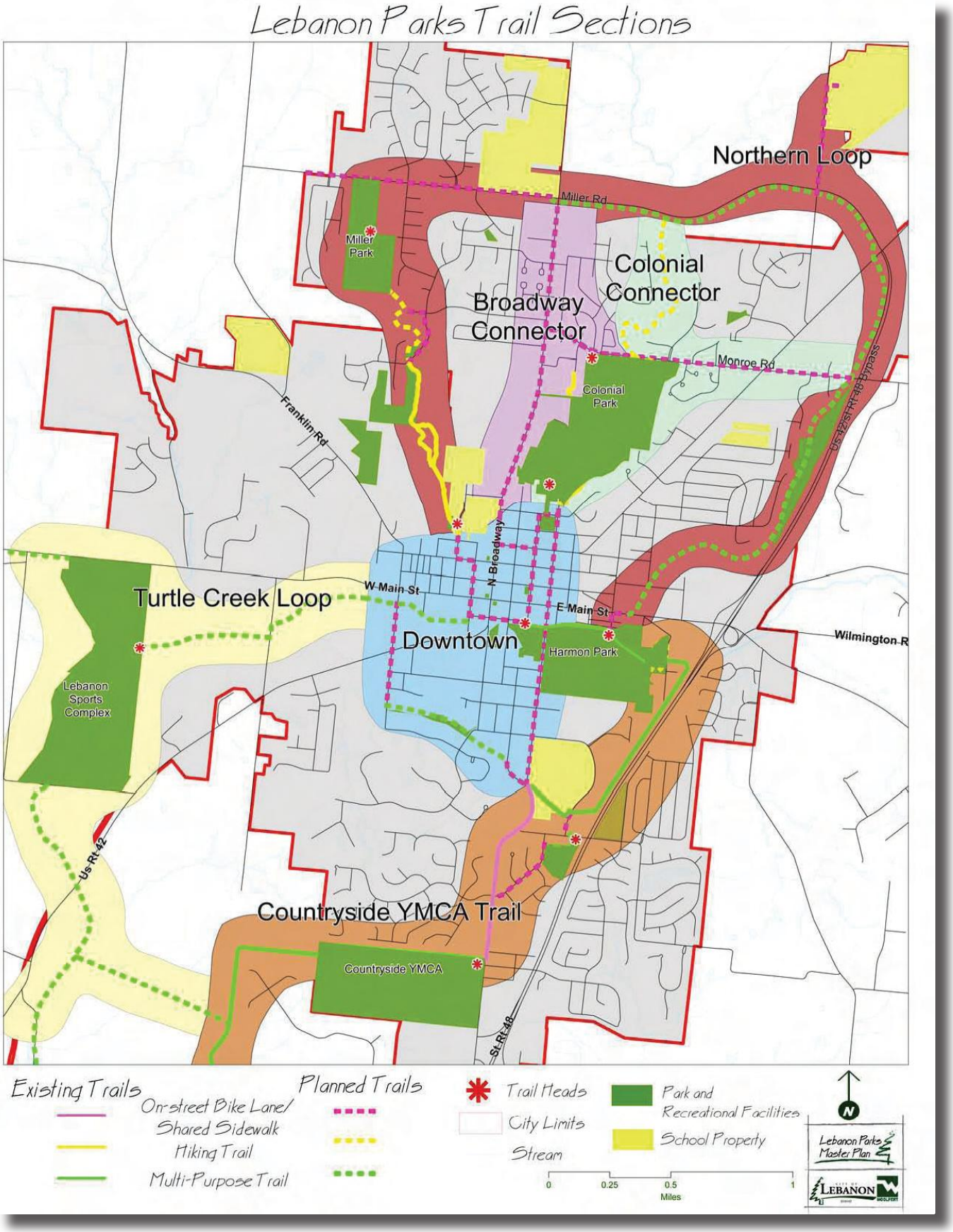
There are opportunities for trailhead facilities throughout the network. Trailheads offer a place for people to park a car, get information about the trail network, and begin a walk, run or bike on a trail. Trailhead opportunities are shown as red asterisks on the Lebanon Parks Trail System Map. Most of these opportunities can be accommodated within existing parks or planned new parks. In particular, Harmon Park will serve as a hub for the trail network, offering restrooms, parking and a site for trail related information. A second trail hub will serve trail users beginning or ending a trail ride at the Countryside YMCA access point. This new trailhead facility will feature a restroom/informational kiosk pavilion, parking and bike storage.

Countryside YMCA Lebanon Trail at E. South Street

Countryside YMCA Lebanon Trail at S. East Street

Lebanon Parks Trail System





Trail Section Map

Chapter

Four

2008 Lebanon Parks Master Plan

Plan Implementation

4.1 Prioritization of needs *1-5*

4.2 Planning Level Cost Estimate *5-9*

4.3 Project Phasing & Action Plan *9-14*

4.4 Funding Strategy *15-24*

WOOLPERT

4.1 Prioritization of needs

Park Priorities within the System

Steering Committee members were asked to rank each priority existing park and planned new park, for redevelopment or new development based on community needs. These results, combined with feedback from public meetings and other correspondence were used to create a park priority rating for each park in Lebanon. These ratings will be used to help guide park funding allocations decisions for the City's park system. The park priority ratings are shown in Table 4.1.

Table 4.1 Park Priority Rating

Park Description	Park Priority (1-8)
Cook Road New Park Site	1
Lebanon Sports Park (existing park area)	2
Colonial Park	3
Harmon Park	4
Lebanon Sports Park Annex (site on 63)	5
Tecumsah Trails Park	6
Miller Park	7
Turtlecreek - Union Road New Park Site	8

Park Project Priorities

Each of the Park Development Plans were used to create a list of separate projects to achieve the vision for each park. The lists of projects within each park were given to Steering Committee Members, who were asked to rank the importance of each park project based on community needs within the system and without regard for perceived costs. The results of this exercise were tallied and presented at a subsequent Steering Committee meeting. This list was revised based on comments received at public meetings, through correspondence, and perceived feasibility of each project. The project priorities within each park are shown in Table 4.2.

Table 4.2 Park Project Priority Rating

Cook Road Park Projects	Project Priority
Playground areas and shelter	1
Basketball courts	2
Trail development	3
Tennis courts	4
Vegetation along road	5

Lebanon Sports Park Projects	Project Priority
New road surrounding existing site	1
New parking lots at back of site	2
Central concession stand and restroom facility	3
Inner Paths, linking parking to fields	4
Grading, new field construction	5
Playground near U6 fields	6
Trail development, exterior loop trail	7

Harmon Park Projects	Project Priority
Disk golf course and parking lot	1
Shade structure and existing playground enhancements	2
Skate park	3
Trail enhancements	4
Play area near Roberts Field	5
Sledding hill grading & enhancements	6
Amphitheatre at Polly Park	7
Sculpture garden at Polly Park	8

Colonial Park Projects	Project Priority
Relocate T-ball fields to North	1
New road connection from Broadway to West	2
Road connection between East and West	3
Road connection between North and West	4
Grade festival staging area and construct Amphitheatre	5
Water Feature	6
Picnic Area Shelters and Parking	7
Road along Service Drive connecting to East	8
Trail enhancements and new trail development	9
Concession/Restroom Facility at Colonial East	10
New playground facility at Colonial East	11

Lebanon Sports Park Annex Projects	Project Priority
Tournament complex with turf field, two-quarter final fields, concession/restroom facilities and parking	1
East pinwheel, concession stand and parking	2
Bridge across creek and new road connection to 63	3
West pinwheel, concession stand and parking	4

Tecumseh Trails Park Projects	Project Priority
Dog park and parking lot	1
Community picnic area/shelter	2
Trail development	3
Open play field	4

Miller Park Projects	Project Priority
Wildflower Meadow and Early Successional Forest	1
Trail development	2
Construction of road through the site	3
Wetaland/Riparian habitat and restoration	4
Education/Demonstration Garden	5
Construction of play structures, shelter and parking	6
Basketball courts	7
Tennis courts	8

Turtlecreek-Union Road Park Projects	Project Priority
Construction of access roads into site and Parking	1
Grading and seeding field quadrants	2
Concession/Restroom Facilities	3
Playground Area at Lebanon Road	4
Trail development	6
Bridge across creek	5

Trail Section Priorities

As described in Chapter 3, the Community-wide Trail Network Plan was divided into sections. These sections have been prioritized based on Steering Committee rating and feedback from public meetings. The trail priority ratings shown in Table 4.3 represent the priorities for funding and implementation of the trail network.

Table 4.3 Trail Section Priority Rating

Prority Trail Section Rating

Trail Section	Priority Rating (1-6)
Downtown Area Trails	1
Northern Loop	2
Turtle Creek Loop	3
Colonial Connector	4
Broadway Connector	5
Countryside YMCA - Lebanon Trail Extensions	6

4.2 Planning Level Cost Estimate

Park Project Cost Estimates

A planning level cost estimate was developed for each of the park projects described in section 4.1 to gain a better understanding of the funding required to develop the parks according to the Development Plans. The summary of costs for each park project, including labor, materials, design & engineering are shown in Table 4.4. More detailed cost estimates are included in the Appendix.

Table 4.4 Park Project Cost

Cook Road Park Projects	Low End	High End
Playground areas and shelter	$116,000	$176,000
Basketball Courts	$66,000	$88,000
Trail development	$33,000	$46,000
Tennis Courts	$132,000	$198,000
Vegetation along road	$14,000	$27,000
Total	**$361,000**	**$535,000**

Lebanon Sports Park Projects	Low End	High End
New road surrounding existing site	$1,053,000	$1,245,000
New parking lots at back of site	$964,000	$1,106,000
Central concession stand and Restroom facility	$253,000	$303,000
Inner Paths, linking parking to fields	$43,000	$60,000
Grading, new field construction	$1,053,000	$3,289,000
Playground near U6 fields	$33,000	$55,000
Trail development, exterior loop trail	$97,000	$135,000
Total	**$3,496,000**	**$6,193,000**

Colonial Park Projects	Low End	High End
Relocate T-ball fields to North	$39,000	$119,000
New road connection from Broadway to West	$170,000	$216,000
Road connection between East and West	$820,000	$1,012,000
Road Connection between North and West	$158,000	$201,000
Grade festival staging area and construct Amphitheatre	$143,000	$210,000
Water Feature	$154,000	$176,000
Picnic Area Shelters and Parking	$174,000	$218,000
Road along Service Drive connecting to East	$309,000	$393,000
Trail enhancements and new trail development	$119,000	$157,000
Concession/Restroom Facility at Colonial East	$193,000	$303,000
New playground facility at Colonial East	$33,000	$55,000
Total	**$2,312,000**	**$3,060,000**

Harmon Park Projects	Low End	High End
Disk Golf Course and parking lot	$63,000	$74,000
Shade structure and existing playground enhancements	$11,000	$17,000
Skate Park	$215,000	$248,000
Trail enhancements	$87,000	$121,000
Play area near Roberts field	$33,000	$55,000
Sledding Hill grading & enhancements	$4,000	$11,000
Amphitheatre at Polly Park	$66,000	$88,000
Sculpture Garden at Polly Park	$42,000	$413,000
Total	**$521,000**	**$1,027,000**

Lebanon Sports Park Annex Projects	Low End	High End
Tournament complex with turf field, two-quarter final fields, concession/restroom facilities and parking	$2,881,000	$3,717,000
East pinwheel, concession stand and parking	$3,157,000	$4,843,000
Bridge across creek and new road connection to 63	$802,000	$969,000
West pinwheel, concession stand and parking	$3,063,000	$4,735,000
Total	**$9,903,000**	**$14,264,000**

Tecumseh Trails Park Projects	Low End	High End
Dog Park and parking lot	$125,000	$155,000
Community picnic area/shelter	$56,000	$74,000
Trail development	$23,000	$32,000
Open play field	$8,000	$11,000
Total	**$212,000**	**$272,000**

Miller Park Projects	Low End	High End
Wildflower Meadow and Early Successional Forest	$66,000	$108,000
Trail development	$105,000	$147,000
Construction of road through the site	$212,000	$251,000
Wetland/Riparian habitat and restoration	$45,000	$94,000
Education/Demonstration Garden	$376,000	$752,000
Construction of play structures, shelter and parking	$154,000	$219,000
Basketball courts	$66,000	$88,000
Tennis courts	$132,000	$198,000
Total	**$1,156,000**	**$1,857,000**

Turtlecreek-Union Road Park Projects	Low End	High End
Construction of access roads into site and Parking	$476,000	$552,000
Grading and seeding field quadrants	$227,000	$706,000
Concession/Restroom Facilities	$264,000	$330,000
Playground Area at Lebanon Road	$33,000	$55,000
Trail Development	$86,000	$119,000
Bridge Across Creek	$1,000	$2,000
Total	**$1,087,000**	**$1,764,000**

Community-wide Trail Network Cost Estimates

Cost estimates were developed for the Community-Wide Trail Network Plan by trail section and trail type. A summary of estimated cost for each trail section is shown in Table 4.5. A detailed cost estimate for each trail section is included in the appendix of this document.

Table 4.5 Trail Network Cost

Prority Trail Section Cost

Trail Section	Total Cost Low End	Total Cost High End
Downtown Area Trails	$898,830	$1,181,952
Northern Loop	$110,438	$150,891
Turtle Creek Loop	$124,572	$160,164
Colonial Connector	$430,730	$563,628
Broadway Connector	$206,730	$258,822
Countryside YMCA - Lebanon Trail Extensions	$478,440	$637,920

4.3 Phasing & Action Plan

Many projects within each park will likely be grouped for efficiency in funding, design, and construction. Therefore, it is important to create a phasing strategy for the development of each park. The phasing strategy, shown in Table 4.6, was developed for each park based on priority project ratings (section 4.1), likely ease of project implementation, and estimated costs. As an example; a project that has a lower priority rating but a lower estimated cost may have been incorporated into earlier phases due to ease of accomplishment. While a higher priority project with a very high cost may be incorporated into later phases to account for the time needed to secure funding.

Table 4.6 Phases for Park Projects

Priority #1: Cook Road Park

Phase	Cook Road Park Projects	Phase Cost Range
1	Playground areas and shelter	$116,000 - $176,000
2	Basketball Courts	$66,000 - $88,000
3	Trail development Vegetation along road	$47,000 - $73,000
4	Tennis Courts	$132,000 - $198,000
Total		**$361,000 - $535,000**

Denotes Phase One Projects

Denotes Phase Two Projects

Denotes Phase Three Projects

Denotes Phase Four Projects

Priority #2: Lebanon Sport Park

Phase	Lebanon Sports Park Projects	Phase Cost Range
1	New road surrounding existing site New parking lots at back of site	$2,017,000 - $2,351,000
2	Central concession stand and Restroom facility	$253,000 - $303,000
3	Inner Paths, linking parking to fields Playground near U6 fields Trail development, exterior loop trail	$173,000 - $250,000
4	Grading, new field construction	$1,053,000 - $3,289,000
Total		**$3,496,000 - $6,193,000**

Priority #3: Colonial Park

Phase	Colonial Park Projects	Phase Cost Range
1	Relocate T-ball fields to North Road Connection between North and West Grade festival staging area and construct Amphitheatre	$340,000 - $530,000
2	New road connection from Broadway to West Water Feature	$324,000 - $392,000
3	Picnic Area Shelters and Parking Road along Service Drive connecting to East Trail enhancements and new trail development	$602,000 - $768,000
4	Road connection between East and West Concession/Restroom Facility at Colonial East New playground facility at Colonial East	$1,046,000 - $1,370,000
Total		**$2,312,000 - $3,060,000**

Priority #4: Harmon Park

Phase	Harmon Park Projects	Phase Cost Range
1	Disk Golf Course and parking lot	$63,000 - $74,000
2	Shade structure and existing playground enhancements Trail enhancements Play area near Roberts field Sledding Hill grading & enhancements	$135,000 - $204,000
3	Skate Park	$215,000 - $248,000
4	Amphitheatre at Polly Park Sculpture Garden at Polly Park	$108,000 - $501,000
Total		**$521,000 - $1,027,000**

Priority #5: Lebanon Sports Park Annex

Phase	Lebanon Sports Park Annex Projects	Phase Cost Range
1	Tournament complex with turf field, two-quarter final fields, concession/restroom facilities and parking	$2,881,000 - $3,717,000
2	East pinwheel, concession stand and parking	$3,157,000 - $4,843,000
3	Bridge across creek and new road connection to 63	$802,000 - $969,000
4	West pinwheel, concession stand and parking	$3,063,000 - $4,735,000
Total		**$9,903,000 - $14,264,000**

Priority #6: Tecumseh Trails

Phase	Tecumseh Trails Park Projects	Phase Cost Range
1	Dog Park and parking lot	$125,000 - $155,000
2	Community picnic area/shelter	$56,000 - $74,000
3	Trail development	$23,000 - $32,000
4	Open play field	$8,000 - $11,000
Total		**$212,000 - $272,000**

Priority #7: Miller Park

Phase	Miller Park Projects	Phase Cost Range
1	Wildflower Meadow and Early Successional Forest Trail development Wetland/Riparian habitat and restoration	$216,000 - $349,000
2	Construction of play structures, shelter and parking Basketball courts Tennis courts	$352,000 - $505,000
3	Construction of road through the site	$212,000 - $251,000
4	Education/Demonstration Garden	$376,000 - $752,000
Total		**$1,156,000 - $1,857,000**

Priority #8: Turtlecreek-Union Road Park

Phase	Turtlecreek-Union Road Park Projects	Phase Cost Range
1	Construction of access roads into site and Parking	$476,000 - $552,000
2	Grading and seeding field quadrants	$227,000 - $706,000
3	Concession/Restroom Facilities Trail Development	$350,000 - $449,000
4	Playground Area at Lebanon Road Bridge Across Creek	$34,000 - $57,000
Total		**$1,087,000 - $1,764,000**

System-wide Action Plan

The phases described in table 4.6 represent the likely phasing of projects for each park, but do not represent priorities for projects across the entire system or parks. The Action Plan, shown in Table 4.7 integrates all phases into a plan for implementation of projects across the park system.

Table 4.7 Park Development Action Plan

Phase	Cook Road Park	Lebanon Sports Park	Colonial Park	Harmon Park	Lebanon Sports Park Annex	Tecumseh Trails Park	Miller Park	Turtlecreek-Union Road Park
1	1* Playground areas and shelter $116,000 - $176,000	New road surrounding existing site, parking lots at back of site $2,017,000 - $2,351,000	3 Relocate T-ball fields to North, Road between North and West, Festival staging & Amphitheatre $340,000 - $530,000	4 Disk Golf Course and parking lot $63,000 - $74,000	Tournament complex with turf field, two-quarter final fields, concession/restroom facilities and parking $2,881,000 - $3,717,000	5 Dog Park and parking lot $125,000 - $155,000	Wildflower Meadow and Early Successional Forest, Trail Development, Wetland/Riparian Habitat $216,000 - $349,000	Construction of access roads into site and Parking $476,000 - $552,000
2	2* Basketball Courts $66,000 - $88,000	Central concession stand and Restroom facility $253,000 - $303,000	Water Feature/Pond, New road connection from Broadway to West $324,000 - $392,000	Enhancements to existing playground, Trail development, Sledding Hill, Playground near Roberts Field $135,000 - $204,000	East pinwheel, concession stand and parking $3,157,000 - $4,843,000	Community picnic area/shelter $56,000 - $74,000	Construction of play structures, shelter and parking, basketball courts, tennis courts $352,000 - $505,000	Grading and seeding field quadrants $227,000 - $706,000
3	Trail development, $47,000 - $73,000	Playground near U6 $173,000 - $250,000	Road along Service $602,000 - $768,000	Skate Park $215,000 - $248,000	Bridge across creek $802,000 - $969,000	Trail development $23,000 - $32,000	Construction of road $212,000 - $251,000	Concession/Restroom $350,000 - $449,000
4	Tennis Courts $132,000 - $535,000	Grading, new field construction $1,053,000 - $3,289,000	Road connection between East and West, New concession/restroom at Colonial East $1,046,000 - $1,370,000	Amphitheatre, Sculpture Garden at Polly Park $108,000 - $501,000	West pinwheel, concession stand and parking $3,063,000 - $4,735,000	Open play field $8,000 - $11,000	Education/Demonstration Garden $376,000 - $752,000	Bridge across creek, Playground Area at Lebanon Road $34,000 - $57,000

* The City has acquired or allocated all or partial funding for this phase.

Denotes ranked high priority with implementation desired within the next five years

Denotes medium priority with implementation within the next ten years

Denotes projects for which the City may seek parnerships for funding and/or outside funding sources

4.4 Funding Strategy

Local Funding

Given the high costs, the Lebanon Parks Master Plan cannot be fully implemented under the City's current funding structure and general budget. However, this plan is an important first step toward planning for the future of the park system. This plan will serve as a guide for the City, and will also be used to leverage development partners and additional funding from outside sources.

Various sources of public grants are available to local governments for the acquisition, development, and enhancement of public open space. Several private foundations are also possible sources of grants for tax exempt 501(c)(3) organizations. An overview of potential funding sources is provided in the following section. Grant themes identified in the overview include storm water management, trail systems, storm water detention, green space acquisition and recreation.

The City should pursue partnerships and grant opportunities to the fullest extent to support the implementation of the Parks Master Plan. Many grant opportunities seek to foster partnering between municipalities and beneficiary groups. Therefore, partnering with area businesses, schools, institutions, non-profits, and private donors provides an edge toward grant eligibility and priority rating for funding. In addition, Warren County and Turtlecreek Township residents are users of the City's Park system and should be pursued as potential partners in the development of the parks and trails system.

While grant opportunities can help leverage local funding, they are competitive and cannot be expected to cover all capital funding for the projected park improvements. A local or county tax levy should be considered as a potential primary source for raising the funds required for capital improvement and operating costs. User fees or increases in user fees are viable funding options for specialized park development such as sports fields, the dog park, or the Disk Golf Course. Corporate Sponsorships may be available in coordination with advertisements for development of sports fields, amphitheatres and the dog park. In addition, creative fund-raising programs or events can generate momentum for development of specific parks or park projects. All of these options should be considered to achieve implementation of the Parks Master Plan. Table 4.8 gives examples of funding mechanisms that may be explored for the implementation of various elements of the Parks Master Plan.

Table 4.8 Potential Funding Mechanisms

Project Type	Corporate Sponsors	Private Donations	Grants	Partnerships	Fundraising Programs	User Fees
Playgrounds		X	X Greater Cincinnati Foundation, Nature Works, Land and Water Conservation		X	
Picnic Shelters		X	X Greater Cincinnati Foundation, Nature Works , Land and Water Conservation			X Increase Rental Fees
Basketball Courts			X Greater Cincinnati Foundation, Nature Works , Land and Water Conservation	X Youth Sports Organizations, Schools,		
Trail Development & Trailhead Facilities	X Naming		X Recreation Trail Program, Transportation Enhancement Program, Clean Ohio, American Hiking Society's Trails Fund, Greater Cincinnati Foundation, Nature Works, Land and Water Conservation	X Outdoor Sports Groups, Scouts		
Tennis Courts			X Greater Cincinnati Foundation, Nature Works Local Recreation Grant, Land and Water Conservation Fund	X Sports Organizations, Schools		X Yearly Pass Rate, Key Access
New Roads & Parking			X Transportation Enhancement Program Fund, Greater Cincinnati Foundation, Land and Water Conservation Fund			
Sports Fields	X Naming, Advertisement on Fence, Scoreboards		X Greater Cincinnati Foundation, Nature Works Local Recreation Grant, Land and Water Conservation Fund	X Youth Sports Organizations, Schools, County, Township	X Sports Events	X Increase User Fees

Project Type	Corporate Sponsors	Private Donations	Grants	Partnerships	Fundraising Programs	User Fees
Amphitheatre	X Naming of Pavilion, Stage	X Naming	X Greater Cincinnati Foundation		X Community Concert Events	X User Fees for Group Use
Water Feature/Pond		X Naming, Memorial	X Five-Star Restoration Grant Program, Greater Cincinnati Foundation, Nature Works, Land and Water Conservation			
Disk Golf Course			X Greater Cincinnati Foundation, Nature Works, Land and Water Conservation		X Sport Events, Golf Tournament	
Skate Park			X Tony Hawk Foundation, Greater Cincinnati Foundation		X Youth Skate events, Skateboard events	
Sculpture Garden	X Donation of Sculpture	X Donation of Sculpture, Engraved Pavers	X Greater Cincinnati Foundation			
Dog Park	X Naming, Advertisement on Fence		X Greater Cincinnati Foundation, Nature Works, Land and Water Conservation	X Animal Shelters	X Dog Run, Dog Wash	X Yearly Pass Rate
Wetland/Riparian Habitat		X Naming, Memorial	X Five-Star Restoration Grant Program, Warren County Foundation, Greater Cincinnati Foundation, Clean Ohio Fund, Nature Works, Land and Water Conservation	X Conservation Groups, County, Schools, Scouts		
Education/ Demonstration Garden		X Naming	X Five-Star Restoration Grant Program, Warren County Foundation, Greater Cincinnati Foundation, Nature Works, Land and Water Conservation	X Community Garden Clubs, Schools, Scouts, Conservation Groups	X Garden Show, Plant Sale	

Grant Opportunities

Land and Water Conservation Fund (LWCF)

URL: http://www.dnr.state.oh.us/default/tabid/11089/Default.aspx

Description:

- The LWCF program provides matching grants to States and local governments for the acquisition and development of public outdoor recreation areas and facilities. The program is intended to create and maintain a nationwide legacy of high quality recreation areas and facilities and to stimulate non-federal investments in the protection and maintenance of recreation resources across the United States.

- All grant applications submitted must be in accord with the priorities listed in its action plan. States must prepare and regularly update a statewide recreation plan (sometimes called a SCORP). To make the connection between the SCORP and concrete project proposals, each State also develops an Open Project Selection Process which contains:
    - A set of project-ranking selection criteria that allow scoring of each project proposal according to how well it meets the needs and priorities published in the State recreation plan.

Specifications:

- For the fiscal year 2008 Ohio has an apportionment of $720,218.
- Matching basis for up to fifty percent (50%) of the total project-related allowable costs for the acquisition of land and the development of facilities for public outdoor recreation and for fulfilling the program's planning requirement
- Maximum grant request amount of $50,000

Application:

- Project applications should be submitted to the NPS at least 60 days in advance of the proposed acquisition.
- http://www.dnr.state.oh.us/default/tabid/11089/Default.aspx

Deadline:

- February 1st

Contact:

- Mary Fitch, ODNR, Division of Real Estate and Land Management, 2045 Morse Road, C-4, Columbus, Ohio 43229-6693 • 614-265-6477

Nature Works – Local Recreation Grants

URL: http://www.dnr.state.oh.us/default/tabid/11089/Default.aspx

Description:

- For local government subdivisions (townships, villages, cities, counties, park districts, joint recreation districts, and conservancy districts) to for the acquisition, development, and rehabilitation of recreational areas.

- The agency must have proper control (title or at least a 15-year non-revocable lease) to be eligible for a development or rehabilitation grant.
- All projects must be completed within one-and-a-half to two years.

Specifications:

- The NatureWorks grant program provides up to 75% reimbursement assistance.

Application:

- http://www.dnr.state.oh.us/default/tabid/11089/Default.aspx

Deadline:

- February 1st

Contact:

- Mary Fitch, ODNR, Division of Real Estate and Land Management, 2045 Morse Road, C-4, Columbus, Ohio 43229-6693 • 614-265-6477

Recreation Trail Program (RTP)

URL: http://www.dnr.state.oh.us/tabid/10762/Default.aspx

Description:

- Cities and villages, counties, townships, special districts, state and federal agencies, and nonprofit organizations.
- Eligible projects include development of urban trail linkages, trail head and trailside facilities; maintenance of existing trails; restoration of trail areas damaged by usage; improving access for people withdisabilities; acquisition of easements and property; development and construction of new trails; purchase and lease of recreational trail construction and maintenance equipment; environment and safety education programs related to trails.

Specifications:

- Up to 80 percent matching federal funds is reimbursed.

Application:

- http://www.dnr.state.oh.us/Portals/0/pdfs/2009_rtp.pdf

Deadline:

- February 1st

Contact:

- D'Juan Hammonds, ODNR, Division of Real Estate and Land Management 2045 Morse Road, C-4, Columbus, Ohio 43229-6693 • 614-265-6417

Five-Star Restoration Matching Grant Program

URL:
http://www.nfwf.org/AM/Template.cfm?Section=Browse_All_Programs&Template=/TaggedPage/TaggedPage-Display.cfm&TPLID=30&ContentID=7593

Description:

- Provides modest financial assistance on a competitive basis to support community-based wetland, riparian, and coastal habitat restoration projects that build diverse partnerships and foster local natural resource stewardship through education, outreach and training activities.

Specifications:

- Requests must be for $10,000 to $40,000.Grants will vary in size, duration and scale. In general, smaller-scale, one-year projects will be eligible for grants up to $20,000. Two-year larger-scale projects will be eligible for grants up to $40,000.
- Projects should be completed within one to two years of award.
- Partnerships should include at least five organizations ("Five Stars") that contribute to project success through funding, land, workforce support, technical support and/or other in-kind services.

Application:

- http://www.nfwf.org

Deadline:

- February 15th

Contact:

- Erik Johnston ejohnston@naco.org
- Amanda Bassow Amanda.Bassow@nfwf.org

US Soccer Foundation

URL: http://www.ussoccerfoundation.org/site/c.gpLPJQOpHkE/b.2766885/

Description:

- The U.S. Soccer Foundation, in partnership with Clough Harbour Sports, offers the opportunity to apply for a Grant to develop a master plan for your soccer field construction project.
- Clough Harbour Sports will produce a master plan for your project, positioning your organization to solicit support from donors and decision-makers. Priority will be given to projects in urban, economically disadvantaged areas.

Specifications:

- The Planning Grants Initiative offers Grants of up to $10,000 in the form of credit with Clough Harbour Sports, the Foundation's Supplier for Soccer Facility Design and Planning Services.

Application:
- grants.ussoccerfoundation.org/planning

Deadline:
- April 1st

Contact:
- Sarah Pickens, Partners Resource Center Coordinator for the U.S. Soccer Foundation (spickens@ussoccerfoundation.org or (202) 872-6639

Warren County Foundation

URL: http://www.warrencountyfoundation.org/

Description: Subject to available funds, the Warren County Foundation is more likely to award discretionary grants to organizations that demonstrate that their proposed projects:
- Make a clear difference in the quality of life of a substantial number of Warren Countians
- Demonstrate tangible solutions to community problems
- Help non-profit organizations manage themselves and their finances more effectively
- Focus on prevention
- Encourage cooperation and eliminate duplication of service
- Stimulate others to participate in problem-solving
- Promote volunteer involvement
- Promote leverage for generating additional funds

Specifications:
- Several hundred to several thousands of dollars.

Application:
- http://www.warrencountyfoundation.org/grant.pdf

Deadline:
- N/A

Contact:
- Warren County Foundation
  P.O. Box 495
  Lebanon, Ohio 45036
- Telephone: (513) 934-1001
  Fax: (513) 934-3001
  Email: info@warrencountyfoundation.org

Greater Cincinnati Foundation

URL: http://www.greatercincinnatifdn.org/index.cfm

Description:

- GCF's grant programs are designed to make a profound difference in our community. As an exemplary steward of the community's charitable resources since 1963, GCF awards grants to qualified 501(c)(3) nonprofit organizations

Specifications: See - http://www.greatercincinnatifdn.org/page24060.cfm#Priority%20Grants

Application:

- http://www.greatercincinnatifdn.org/page24060.cfm#Priority%20Grants

Deadline:

- The 1st of February, April, June, August, October, and December

Contact:

- The Greater Cincinnati Foundation | 200 West Fourth Street | Cincinnati, Ohio 45202 | (513) 241-2880

American Hiking Society's National Trails Fund grants

URL: http://www.americanhiking.org/index.aspx

Application for 2009 deadline past.

Clean Ohio Fund

URL: http://clean.ohio.gov/

Description:

- The Fund consists of four competitive statewide programs: the Clean Ohio Revitalization Fund, the Clean Ohio Agricultural Easement Purchase Program, the Clean Ohio Green Space Conservation Program, and the Clean Ohio Trails Fund.
- Funding for this program has expired. A $400 million renewal of the Clean Ohio Fund will be voted on as Issue 2 on the November 2008 ballot. Check the program website at a later date for renewal information.

Tony Hawk Foundation

URL: http://www.tonyhawkfoundation.org/index.asp

Description:

- The Tony Hawk Foundation supports recreational programs with a focus on the creation of public skateboard parks in low-income communities.
- The Foundation favors programs that clearly demonstrate that funds received will produce tangible, ongoing, positive results.

Specifications:

- Grant amounts from $1,000 to $25,000

Application:

- http://www.tonyhawkfoundation.org/grant_application.asp

Deadline:

- March 2, 2009 for awards in April, 2009
- October 1, 2009 for awards in December 2009

Contact:

- Tony Hawk Foundation
  1611- A S. Melrose Drive #360
  Vista, Ca 92081
  (760) 477-2479

Transportation Enhancement Program (TE) Funds

URL: http://www.dot.state.oh.us/DIVISIONS/LOCAL/PROJECTS/Pages/TransportationEnhancementProgram.aspx

Description:

- Local governments within the MPO areas must apply to their MPO for TE funds. Warren County's MPO if the OKI regional Council of Governments.
- The Transportation Enhancement Program provides funds for projects that enhance the transportation experience by improving the cultural, historic, aesthetic and environmental aspects of transportation infrastructure. Primary project categories are Historic and Archaeological, Scenic and Environmental, and Bicycle and Pedestrian (eligible projects under each category).
- This Federal-aid reimbursement program provides up to 80% of eligible costs for construction only. Right-of-way acquisition costs are only allowable for specific qualifying activities (acquisition of historic sites, scenic easements, and abandoned railway corridors). Applicants must commit to a 20% cash match for construction, which must be currently available and readily accessible.

Specifications:

- Up to 80 percent matching federal funds is reimbursed.

Contact:

- John Heilman, Technical Services Coordinator
  OKI Regional Concil of Governments
  720 East Pete Rose Way, Suite 420
  Cincinnati,OH 45202
  Phone: (513) 621-6300
  Fax: (513) 621-9325

Harmon Civic Trust

Philanthropist William Harmon establishing the Harmon Civic Trust in 1915 to fund a variety of community improvement projects. The trust still exists today and provides funding for projects with special emphasis on benefit to the children in the community.

Appendix

2008 Lebanon Parks Master Plan

Appendix

A.1 Site Reconnaissance Summary 2

A.2 Stakeholder Inteviews Summary 3

A.3 Minutes of Stakeholder & Public Meetings 4-11

A.2 Detailed Planning Level Cost Estimate 11-19

WOOLPERT

Parks Master Plan, Site Reconnaissance, April 30, 2008 – Summary of Findings

- The City has a good amount of underutilized resources that can be expanded upon.
- Creeks and streams are a re-occurring visual theme that should be emphasized. \
- Parkland and planned parkland well distributed except for west side of town south of 42. There could be a need for a neighborhood park in this area.
- Opportunities for active recreation are evenly distributed between Colonial, Lebanon Sports Complex and the Turtlecreek – Union Road Landfill Site.
- Opportunities exist to tie Colonial together with new roads and trails. Relocation of some sports facilities may be needed to better make use of space. Opportunities for passive recreation and group facilities could increase use of this park.
- There is a lack of visual surveillance at Miller Park and Tecumseh Trails Park, resulting in underutilization.
- There is a need for on-street trail connections through downtown to tie existing trails together.
- There is a potential to extend the trail system to the Lebanon Sports Complex along the riparian corridor.
- In addition, some potential new trails were identified in the field.

WOOLPERT, INC.
4141 Rosslyn Drive • Cincinnati, Ohio 45209-1183
513.272.8300 • Fax 513.272.8301 • www.woolpert.com

Stakeholder Interviews May 21 & 22, 2008 – Summary of Findings

- Overall, the Park System is good and well maintained. Some parks are underutilized and disconnected from the rest of the system.
- Acquisition and preservation of green space for the future is important to residents.
- Colonial Park has great potential for trails and passive recreation, but underutilized.
- Lebanon Sports Complex is a great resource for the community and the region. This facility should be enhanced to better accommodate the heavy use it receives.
- Active recreation/sports facilities throughout the park system should be enhanced with lighting, restroom facilities and running water.
- Miller Park could provide a great resource for passive recreation and environmental education/ experimentation.
- The Lebanon Bike Path should be integrated into downtown and connect to Colonial Park, Corwin Park, Turtlecreek Nature Preserve, Lebanon Sports Complex and Miller Park. Additional connections should be made to facilities within the greater region, such as Armco Park and the Otterbein Community.
- Currently, there are no handicap accessible park facilities in the City. Accessible facilities should be incorporated into each park site.
- Additional indoor courts are needed as well as outdoor ball fields and open field space.
- An outdoor performing arts space is needed. There are several potential locations for such a space within the park system.
- Some areas of the current Lebanon Bike Path are unsafe and should be redesigned.
- City should partner with other organizations to enhance the park system, such as the schools, YMCA, Warren County Soil & Water, and Warren County Convention & Visitors Bureau.
- The subdivisions east of 48 are disconnected to the Bike Path and Park System. These communities should be better connected to the City.

Meeting Minutes

Date of Meeting:	June 4, 2008 7:00 pm	Re:	Lebanon Parks Master Plan
Location:	Lebanon High School	Issue Date:	June 5, 2008
Submitted By:	Emi Randall		

In Attendance:

Charleen Flick, City Council
Ben Cole, City Council
James Norris, City Council
Scott Brunka, Deputy City Manager
Mike Evans, Rec Board
Leo Cronin, Rec Board
Donna Prater, Rec Board
Donna Davis Norris, LCS Board of Ed
Joe Roberts, LCS Athletic Director
Krista Wamsley, Rec Board
Karen Mackey, YMCA
John Bissman, Resident
Ben Huffman, Warren Co. Convention & Visitors Bureau
Ryan Widmer, Warren Co. Convention & Visitors Bureau
Pat Clements, City Manager
Amber Morris, Rec Board

ITEMS DISCUSSED

The meeting began with a brief powerpoint presentation by Emi Randall and Bruce Rankin of Woolpert. Following the presentation, the team led a group discussion on the vision for each of the priority parks. Highlights from this discussion are outlined below:

1) Colonial Park
   - The Woolpert team discussed the possibility of introducing vehicular access throughout Colonial Park to increase surveillance of some underutilized areas. This idea led to concerns about safety. Any roads to be introduced would need to be well designed to relieve safety concerns associated with driving through the park.
   - The T-Ball fields and fields at Colonial West should be connected by vehicular and pedestrian routes directly to Colonial East.
   - The condition of the fields at Colonial South and West should be addressed. Evaluate the feasibility of relocating these fields to alternate areas. Many games are missed each season due to poor drainage and standing water.
   - A Fitness trail would be a great idea at Colonial.
   - The Festival Staging Area could be easily converted into an amphitheatre or outdoor performance space.

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2) Harmon Park
   - Polly Park may be a great place for a performing arts space adjacent to downtown. The park could be developed to serve as a gateway park into downtown.
   - Expanding Harmon, to create a more linear park with additional community facilities is a great idea.
   - Harmon Park and the adjacent wooded areas would be a great location for a Frisbee Golf Course.
   - It would be nice to incorporate a water feature at Harmon Park and/or Colonial.
3) Lebanon Sports Complex
   - The Sports Complex at McClure Road should be a year round facility. There is a need to provide areas to support field rotation to allow for proper field maintenance.
   - The additional land at 63 behind the Sports Complex could be a great location for a baseball/softball complex. Need to evaluate limitations and additional construction and maintenance expenses associated with the floodplain.
   - There is also a need for additional football fields.
4) Miller Park
   - Because of the lack of road frontage, this site does not lend itself to use as a conventional neighborhood park.
   - Bringing vehicular access through the site would increase road frontage and surveillance.
   - This site could be used as a public farm or community farm coop.
   - This site would also be a great environmental demonstration area.
   - The City may need to explore other options, such as residential development for some portions of this site, leaving a smaller area for neighborhood park use with road frontage.
5) Turtlecreek – Union Road Potential Park Site
   - This site could be a great location for lacrosse fields or additional multi-use sports fields.
   - This site is limited by its former use as a landfill. The planned use for this site should not require extensive digging or regarding.
   - Further evaluation as a baseball complex is needed.
6) Cook Road Potential Park Site, & Tecumseh Trails Park
   - The use of the back field at Tecumseh for a dog park is a great idea.
   - There is the potential to route the bike trail through Tecumseh Trails Park and address existing safety concerns on Deerfield Road.
   - Tecumseh would be a good location for a trick cycling facility.
   - The Cook Road park site is currently used by the community during the fireworks as a viewing area. This would be a great neighborhood park site.
7) General Comments
   - New park land should be acquired in areas where the community will be growing. The parks plan will be coordinated with the current Comprehensive Plan Update.
   - The Trail network should be further expanded to connect the Mason trail network, allowing connections to other regional trails in the future.

- There should be a site within the City that could be used for hot air balloon launching.
- A site should be identified in the City to become a community sledding hill.
- It would be great to offer outdoor restroom facilities that can be open year-round in the well used parks, such as Harmon.
- Facilities such as Horseshoe and Bocce Ball should be incorporated for older residents.
- It would be great to incorporate a splash fountain in one of the downtown parks. Such a fountain would provide a play area for kids in the summer in addition to a plaza in the winter.
- The design team should consider opportunities for art and sculpture display in the park system.
- The City should further enhance and advertise the bike system as means of brining in tourists.

Meeting Minutes

Date of Meeting:	July 16, 2008 6:30 pm	Re:	Lebanon Parks Master Plan Public Meeting
Location:	City of Lebanon, Harmon Park	Issue Date:	July 17, 2008
Submitted By:	Emi Randall		
In Attendance:		Conference Call:	

ITEMS DISCUSSED

1. Alternatives for each priority park

Tecumseh – Cook Rd. Alternative 1

- 2 People liked this idea the best
- Sprinklers/Water for kids to play in *
- Someone made the comment of connecting the proposed trail in the neighborhood park to the bike path *
- Someone wanted a skateboard Park
- Someone wanted a footbridge across 48, but if that's not feasible, make crossing 48 more pedestrian/biker friendly (safer)

Tecumseh – Cook Rd. Alternative 2

- Sprinkler./water/water fountains for kids to play*
- Will any of this be fenced in at all?
- Someone was wondering if we had considered moving the dog park across 48, to the North of the Humane society
- More picnic shelters in the neighborhood park
- Dog Park, great idea
- Provide parking along Covenant Way for some parking of local community.

Turtlecreek-Union Rd. Site Alternative 1

- This seems to be the best and more cost efficient
- Is it possible to have an adult baseball field combined with a flex field?

Turtlecreek-Union Rd. Site Alternative 2

- A person liked this idea best
- Another person liked it, but thought it needed concessions

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Miller Park Alternative 1
- Hate it****

Miller Park Alternative 2
- Love it*****

Lebanon Sports Complex Alternative 1
- Better! Expanding field choices
- SW corner - Link to mason Greenways
- SW corner - add playground (small) for younger kids
- Provides more parking
- Is it possible to make the western most baseball field a multi, jr., sr. field?
- Has best control traffic Pattern

Lebanon Sports Complex Alternative 2
- Centralize concessions

Harmon Park Alternative 1
- NW corner - Strong visual and sidewalk link to downtown/library
- Sprinkler/ water spouts for kids to run through to cool off
- Best Idea*
- Skateboard Park**
- Barrier prohibits sled hill
- Dog Park in the major wooded area? Trees are good!
- Can you loop trail 0.5 m – 1.5 m be made from existing trail and within parks
- This plan is the best with just a few changes #1 Make all parking for neighborhood play area, on the north side of bike trail, at the west end of Roberts field so traffic is not crossing bike trail
- #2 Changes Runyan Field to a larger amphitheatre/multi festival area to bring more year round business to central business district, turtle creek union field could replace Runyan Field
- #3 Do not put Amphitheatre in Harmon
- The proposed walking trail is great
- Disc Golf can still be wooded with parking

Harmon Park Alternative 2
- Skate park in smaller wooded area?
- 2 areas good for dog park and skate park, trees needed!
- S Broadway – Cross walk needed

Colonial Park Alternative 1
- Someone would like to see an amphitheatre directly North of where the bigger Festival Staging area is

- Someone would like to see a BMX course where the northern section of the Disc Golf course is located
- Add playground near fields for younger kids
- Best Idea
- Skateboard Park (Academy building area)
- Please maintain bridge over creek
- Like festival accommodations

Colonial Park Alternative 2

- More Water fountains
- Link to park together-loop trail
- View/Overlook from Landscape Dump
- Connectivity between neighborhoods is good
- I prefer keeping everything related to ”festivals” contained in one area, just as you have it
- Like festival accommodations
- Best Alternative

2. Discussion of Trail Connections and New Trail Alternatives
   - Appreciate the though put into connecting neighborhoods to parks and trails
   - Please preserve Mother Nature in undeveloped woodlands
   - No residential housing
   - Directional signs at key points on trail
   - Connect neighborhoods East of Rte 48 to bike path; need bike/walking access to Y across 48****
   - Extend sidewalk out 42 to connect to the Lebanon Sports complex

Overall Comments

- Place as much riparian corridor as possible in conservation easements
- Cook Road Park should be a high priority because we do not have anything on that side of the Bypass.***

* Asterisks denote number of people with the same comment or number of like comments.

Meeting Minutes

Date of Meeting:	September 8, 2008 6:30 pm	Re:	Lebanon Parks Master Plan Public Meeting
Location:	City of Lebanon, Harmon Park	Issue Date:	September 15, 2008
Submitted By:	Emi Randall		
In Attendance:		Conference Call:	

ITEMS DISCUSSED

1. Preferred Plans for each priority park

Tecumseh – Cook Rd. Preferred Plan

- The layout for the Dog Park is great.
- The Dog Park should be a high priority*
- There needs to be a way for pedestrians to cross 48 at Cook Road or at Forge Road.
- A water feature should be added at the Cook Road Park because of young age of children in the surrounding neighborhood.
- The Cook Road Park should be a high priority for the City.

Turtlecreek-Union Rd. Preferred plan

- This plan has a good layout.
- This is a low priority site*
- They City should seek private investment in this project.

Miller Park Preferred Plan

- This is a great plan *****
- This will be a good resource for nearby schools.

Lebanon Sports Complex Preferred Plan

- This is a good layout.
- It is good that trails and a playground have been incorporated.
- Has best control traffic Pattern

Harmon Park Preferred Plan

- The sledding hill is a good idea. Don't put a natural barrier there.

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- It would be great to incorporate a fitness trail around the disk golf course.
- This is a good plan.

Colonial Park Preferred Plan

- The water feature/pond should be a high priority for this park.
- This park is a high priority**
- The festival accommodations in Colonial area great.
- A splash pad would be a great feature.
- A fitness trial should be incorporated in the wooded areas.
- WC Arts Council supports the outdoor stage.

2. Discussion of Trail Connections and New Trail Alternatives
   - This plan is well thought out.
   - Connect neighborhoods East of Rte 48 to bike path; need bike/walking access to Y across 48**

Overall Comments

- Place as much riparian corridor as possible in conservation easements
- Cook Road is a high priority
- Colonial Park is a high priority

* Asterisks denote number of people with the same comment or number of like comments.

Colonial Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Grade and seed festival staging area	square feet	26,800	$0.37	$1.15	$9,916	$30,820	$11,000	$34,000
2	Construct Amphitheatre	LS	1	$120,000	$160,000	$120,000	$160,000	$132,000	$176,000
3	Relocate T-ball fields to North	LS	1	$35,000	$108,000	$35,000	$108,000	$39,000	$119,000
4	Road Connection between North and West	linear feet	1,300	$110	$140	$143,000	$182,000	$158,000	$201,000
5	Water Feature (pond)	LS	1	$140,000	$160,000	$140,000	$160,000	$154,000	$176,000
6	New road connection from Broadway to West (steep)	linear feet	1,400	$110	$140	$154,000	$196,000	$170,000	$216,000
7	Road along Service Drive connecting to East	linear feet	2,550	$110	$140	$280,500	$357,000	$309,000	$393,000
8	Road connection between East and West	linear feet	2,000	$110	$140	$220,000	$280,000	$242,000	$308,000
9	Bridge over creek between East and West	LS	1	$525,000	$640,000	$525,000	$640,000	$578,000	$704,000
10	Picnic Area Shelters	LS	2	$45,000	$60,000	$90,000	$120,000	$99,000	$132,000
11	Picnic Area Parking	cars	80	$850	$975	$68,000	$78,000	$75,000	$86,000
12	Concession/Restroom Facility at Colonial East	LS	1	$175,000	$275,000	$175,000	$275,000	$193,000	$303,000
13	New playground facility at Colonial East	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
14	Enhancements to existing trails	linear feet	6,800	$8	$10	$54,400	$68,000	$60,000	$75,000
15	New trail development	linear feet	5,275	$10	$14	$52,750	$73,850	$59,000	$82,000
Total								**$2,312,000**	**$3,060,000**

* Approximate total costs rounded to the nearest thousand.

Harmon Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Sledding Hill grading & enhancements	LS	1	$3,000	$10,000	$3,000	$10,000	$4,000	$11,000
2	Skate Park	LS	1	$195,000	$225,000	$195,000	$225,000	$215,000	$248,000
3	Disk Golf Course (18 hole)	LS	1	$24,000	$30,000	$24,000	$30,000	$27,000	$33,000
4	Disk Golf Course parking lot	cars	38	$850	$975	$32,300	$37,050	$36,000	$41,000
5	Play area near Roberts field	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
6	Amphitheatre at Polly Park	LS	1	$60,000	$80,000	$60,000	$80,000	$66,000	$88,000
7	Sculpture Garden at Polly Park	LS	1	$37,500	$375,000	$37,500	$375,000	$42,000	$413,000
8	Trail enhancements	linear feet	7,850	$10	$14	$78,500	$109,900	$87,000	$121,000
9	Shade structure and existing playground enhancements	LS	1	$10,000	$15,000	$10,000	$15,000	$11,000	$17,000
Total								**$521,000**	**$1,027,000**

* Approximate total costs rounded to the nearest thousand.

Cook Road Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Shelters	LS	1	$45,000	$60,000	$45,000	$60,000	$50,000	$66,000
2	Playground areas	LS	2	$30,000	$50,000	$60,000	$100,000	$66,000	$110,000
3	Trail development	linear feet	2,925	$10	$14	$29,250	$40,950	$33,000	$46,000
4	Basketball Courts	LS	2	$30,000	$40,000	$60,000	$80,000	$66,000	$88,000
5	Tennis Courts	LS	2	$60,000	$90,000	$120,000	$180,000	$132,000	$198,000
6	Vegetation along road	LS	1	$12,000	$24,000	$12,000	$24,000	$14,000	$27,000
Total								**$361,000**	**$535,000**

* Approximate total costs rounded to the nearest thousand.

Lebanon Sports Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Hard Cost Low End	Unit Hard Cost High End	Approx. Hard Cost Low End	Approx. Hard Cost High End	Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	New road surrounding existing site	Linear Feet	8,700	$110	$130	$957,000	$1,131,000	$1,053,000	$1,245,000
2	New parking lot at back of site	Cars	930	$850	$975	$790,500	$906,750	$870,000	$998,000
3	New parking lot east of U6 fields	Cars	100	$850	$975	$85,000	$97,500	$94,000	$108,000
4	Central concession stand and Restroom facility	LS	1	$230,000	$275,000	$230,000	$275,000	$253,000	$303,000
5	Playground near U6 fields	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
6	Inner Paths, linking parking to fields	Linear Feet	3,870	$10	$14	$38,700	$54,180	$43,000	$60,000
7	Trail development, exterior loop trail	Linear Feet	8,750	$10	$14	$87,500	$122,500	$97,000	$135,000
8	Grading, new field construction - 5 Full Size	Acres	11.25	$16,000	$50,000	$179,982	$562,443	$198,000	$619,000
9	Grading, new field construction - 30 U6	Acres	8.03	$16,000	$50,000	$128,558	$401,745	$142,000	$442,000
10	Grading, new field construction - 6 Full Size	Acres	14.81	$16,000	$50,000	$236,915	$740,358	$261,000	$815,000
11	Grading, new field construction - 5 U8	Acres	3.17	$16,000	$50,000	$50,689	$158,402	$56,000	$175,000
12	Grading, new field construction - 10 Full Size	Acres	22.50	$16,000	$50,000	$359,963	$1,124,885	$396,000	$1,238,000
Total								**$3,496,000**	**$6,193,000**

* Approximate total costs rounded to the nearest thousand.

Lebanon Sports Park Annex - 63 Site Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Bridge across creek	LS	1	$525,000	$640,000	$525,000	$640,000	$578,000	$704,000
2	New road connection to 63	Linear Feet	1,850	$110	$130	$203,500	$240,500	$224,000	$265,000
3	East pinwheel, 5 Fields	LS	1	$2,150,000	$3,550,000	$2,150,000	$3,550,000	$2,365,000	$3,905,000
5	East pinwheel, Concession Stand	LS	1	$230,000	$275,000	$230,000	$275,000	$253,000	$303,000
6	East pinwheel, Playground	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
7	Parking Lot South (East Pinwheel)	Cars	240	$850	$975	$204,000	$234,000	$225,000	$258,000
8	Parking Lot Central (West Pinwheel)	Cars	440	$850	$975	$374,000	$429,000	$412,000	$472,000
9	Parking Lot East (Tournament Complex)	Cars	645	$850	$975	$548,250	$628,875	$604,000	$692,000
10	Parking Lot West (East Pinwheel)	Cars	300	$850	$975	$255,000	$292,500	$281,000	$322,000
11	West pinwheel, 5 Fields	LS	1	$2,150,000	$3,550,000	$2,150,000	$3,550,000	$2,365,000	$3,905,000
13	West pinwheel, Concession Stand	LS	1	$230,000	$275,000	$230,000	$275,000	$253,000	$303,000
14	West pinwheel, Playground	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
15	Tournament Complex - Turf field with seating & lighting	LS	1	$900,000	$1,250,000	$900,000	$1,250,000	$990,000	$1,375,000
16	Tournament complex - Quarter final fields with lighting & Seating	LS	2	$380,000	$500,000	$760,000	$1,000,000	$836,000	$1,100,000
17	Tournament Complex Concession/Restroom Facilities	LS	1	$410,000	$500,000	$410,000	$500,000	$451,000	$550,000
Total								**$9,903,000**	**$14,264,000**

* Approximate total costs rounded to the nearest thousand.

Tecumseh Trails Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Dog Park parking lot	cars	90	$850	$975	$76,500	$87,750	$85,000	$97,000
2	Dog Park fencing	linear feet	1,325	$20	$30	$26,500	$39,750	$30,000	$44,000
3	Dog Park Amenities (water trough, waste disposal bag dispensers, benches)	LS	1	$9,000	$12,000	$9,000	$12,000	$10,000	$14,000
4	Clearing vegetation for picnic area	LS	1	$5,000	$7,000	$5,000	$7,000	$6,000	$8,000
5	Community picnic area/shelter	LS	1	$45,000	$60,000	$45,000	$60,000	$50,000	$66,000
6	Open play field (removal of tennis courts, grading and seeding)	LS	1	$7,000	$10,000	$7,000	$10,000	$8,000	$11,000
7	Trail development	linear feet	2,045	$10	$14	$20,450	$28,630	$23,000	$32,000
Total								**$212,000**	**$272,000**

* Approximate total costs rounded to the nearest thousand.

Miller Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Construction of play structures	LS	2	$30,000	$50,000	$60,000	$100,000	$66,000	$110,000
2	Shelter at playground	LS	1	$45,000	$60,000	$45,000	$60,000	$50,000	$66,000
3	Parking at playground	cars	40	$850	$975	$34,000	$39,000	$38,000	$43,000
4	Basketball courts	LS	2	$30,000	$40,000	$60,000	$80,000	$66,000	$88,000
5	Tennis courts	LS	2	$60,000	$90,000	$120,000	$180,000	$132,000	$198,000
6	Construction of road through the site	linear feet	1,750	$110	$130	$192,500	$227,500	$212,000	$251,000
7	Education/Demonstration Garden East	acres	5.51	$30,000	$60,000	$165,289	$330,579	$182,000	$364,000
8	Education/Demonstration Garden West	acres	5.88	$30,000	$60,000	$176,309	$352,617	$194,000	$388,000
9	Wetland habitat East	LS	1	$2,500	$7,000	$2,500	$7,000	$3,000	$8,000
10	Wetland habitat West	LS	1	$13,000	$30,500	$13,000	$30,500	$15,000	$34,000
11	Wildflower Meadow East	LS	1	$17,500	$22,000	$17,500	$22,000	$20,000	$25,000
12	Wildflower Meadow West	LS	1	$8,000	$10,000	$8,000	$10,000	$9,000	$11,000
13	Early Successional Forest	LS	1	$33,000	$65,000	$33,000	$65,000	$37,000	$72,000
14	Riparian Habitat restoration	LS	1	$24,000	$47,000	$24,000	$47,000	$27,000	$52,000
15	Trail development	linear feet	9,500	$10	$14	$95,000	$133,000	$105,000	$147,000
Total								**$1,156,000**	**$1,857,000**

* Approximate total costs rounded to the nearest thousand.

Turtlecreek-Union Road Park Projects

Project ID	Project Description	Unit Type	Unit Quantity	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End	Approx. Total Cost (10% Soft Cost added) Low End*	Approx. Total Cost (10% Soft Cost added) High End*
1	Construction of access roads into site -West	Linear Feet	575	$110	$130	$63,250	$74,750	$70,000	$83,000
2	Construction of parking area West	Cars	185	$850	$975	$157,250	$180,375	$173,000	$199,000
3	Construction of access roads into site -East	Linear Feet	525	$110	$130	$57,750	$68,250	$64,000	$76,000
4	Construction of parking area East	Cars	180	$850	$975	$153,000	$175,500	$169,000	$194,000
5	Concession/Restroom Facilities	LS	2	$120,000	$150,000	$240,000	$300,000	$264,000	$330,000
6	Trail Development - East/West & North/South Paths	Linear Feet	3180	$10	$14	$31,800	$44,520	$35,000	$49,000
7	Trail Development - Outer Loop	Linear Feet	3925	$10	$14	$39,250	$54,950	$44,000	$61,000
8	Trail Development - Across creek to playground	Linear Feet	560	$10	$14	$5,600	$7,840	$7,000	$9,000
9	Bridge Across Creek	LS	1	$800	$1,500	$800	$1,500	$1,000	$2,000
10	Playground Area at Lebanon Road	LS	1	$30,000	$50,000	$30,000	$50,000	$33,000	$55,000
11	Grading and seeding field quadrant - 2 Full Size Fields	Acres	3.90	$16,000	$50,000	$62,443	$195,133	$69,000	$215,000
12	Grading and seeding field quadrant - 2 Full Size Fields	Acres	3.90	$16,000	$50,000	$62,443	$195,133	$69,000	$215,000
13	Grading and seeding field quadrant - 2 Full Size Fields	Acres	3.90	$16,000	$50,000	$62,443	$195,133	$69,000	$215,000
14	Grading and seeding field quadrants - 2 U8 Fields	Acres	1.10	$16,000	$50,000	$17,631	$55,096	$20,000	$61,000
Total								**$1,087,000**	**$1,764,000**

* Approximate total costs rounded to the nearest thousand.

Proposed Lebanon Trail Network Enhancements

Trail Section	Project Type	Units Quantity	Unit Measure	Unit Cost Low End	Unit Cost High End	Approx. Total Cost Low End	Approx. Total Cost High End
Northern Loop							
	5' On-street Bike Lane	5167	linear ft	$14	$18	$72,338	$93,006
	5' Gravel Hiking Path	2174	linear ft	$10	$15	$21,740	$32,610
	12' Paved Multi Purpose Trail	18882	linear ft	$36	$48	$679,752	$906,336
	Trailhead Facility in Park*	2	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	1	lump sum	$125,000	$150,000	$125,000	$150,000
	Total					**$898,830**	**$1,181,952**
Colonial Connector							
	5' On-street Bike Lane	4922	linear ft	$14	$18	$68,908	$88,596
	5' Gravel Hiking Path	4153	linear ft	$10	$15	$41,530	$62,295
	12' Paved Multi Purpose Trail	0	linear ft	$36	$48	$0	$0
	Trailhead Facility in Park*	1	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	0	lump sum	$125,000	$150,000	$0	$0
	Total					**$110,438**	**$150,891**
Broadway Connector							
	5' On-street Bike Lane	8898	linear ft	$14	$18	$124,572	$160,164
	5' Gravel Hiking Path	0	linear ft	$10	$15	$0	$0
	12' Paved Multi Purpose Trail	0	linear ft	$36	$48	$0	$0
	Trailhead Facility in Park*	1	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	0	lump sum	$125,000	$150,000	$0	$0
	Total					**$124,572**	**$160,164**
Downtown Area Trails							
	5' On-street Bike Lane	16663	linear ft	$14	$18	$233,282	$299,934
	5' Gravel Hiking Path	258	linear ft	$10	$15	$2,580	$3,870
	12' Paved Multi Purpose Trail	5413	linear ft	$36	$48	$194,868	$259,824
	Trailhead Facility in Park*	1	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	0	lump sum	$125,000	$150,000	$0	$0
	Total					**$430,730**	**$563,628**

Countryside YMCA - Lebanon Trail Extensions							
	5' On-street Bike Lane	227	linear ft	$14	$18	$3,178	$4,086
	5' Gravel Hiking Path	0	linear ft	$10	$15	$0	$0
	12' Paved Multi Purpose Trail	2182	linear ft	$36	$48	$78,552	$104,736
	Trailhead Facility in Park*	1	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	1	lump sum	$125,000	$150,000	$125,000	$150,000
	Total					**$206,730**	**$258,822**
Turtle Creek Loop							
	5' On-street Bike Lane	0	linear ft	$14	$18	$0	$0
	5' Gravel Hiking Path	0	linear ft	$10	$15	$0	$0
	12' Paved Multi Purpose Trail	13290	linear ft	$36	$48	$478,440	$637,920
	Trailhead Facility in Park*	1	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	0	lump sum	$125,000	$150,000	$0	$0
	Total					**$478,440**	**$637,920**
Total For All Proposed Trails							
	5' On-street Bike Lane	35877	linear ft	$14	$18	$502,278	$645,786
	5' Gravel Hiking Path	6585	linear ft	$10	$15	$65,850	$98,775
	12' Paved Multi Purpose Trail	39767	linear ft	$36	$48	$1,431,612	$1,908,816
	Trailhead Facility in Park*	7	lump sum	$0	$0	$0	$0
	Stand Alone Trailhead Facility	2	lump sum	$125,000	$150,000	$250,000	$300,000
	Total					**$2,249,740**	**$2,953,377**

* Costs for Trailhead Facilities in Parks have been incorporated into park project costs.