

In order to create a common understanding of what each proposed park type and facility will bring to Kirkwood, each type of park and recreation facility considered by this plan is described to the right. These descriptions have been tailored to fit the needs of Kirkwood and represent the intended character that each facility will possess.

Appendix A

PARKLAND DEFINITIONS

Play Lot

Primarily to serve young children in residential where open space is limited. .3 acre to one acre. Service area is ¼ mile radius. Typical facilities include play area, landscaping and provisions for parent or other supervisors.

Mini Park

May serve specific function for any and all ages, depending on need of the user area. Optimum size is 3 acres. Service area is sub-neighborhood as limited by geographical barriers serving ½ mile radius. Typical facilities include play area, landscaping and limited sports activities (such as multi-purpose courts) if space allows.

Neighborhood Park

Multiple use recreation facility basically for unsupervised neighborhood games with some organized programs to serve all ages in the surrounding neighborhood. Minimum size is 5 acres, optimum size is 10 acres. Service area includes immediate neighborhood as limited by geographical barriers; within 5 to 15 minutes walking distance; 1 mile radius.

District Park

Supplements neighborhood parks in providing close-to-home recreation opportunities oriented towards family and all age groups. May serve as a neighborhood park when located in a residential area. Minimum size is 20 acres, optimum size is 40 acres. Service area includes 10 minute driving time; 3 mile radius. Typical facilities and activities include recreation center, swimming pool, picnic areas, playground, field sports and court areas; may have provisions for night time use (i.e. tennis, basketball, softball, baseball, soccer, football); able to accommodate special facilities, such as an ice rink, trails, and support facilities.

Metropolitan Park

Oriented towards overall park and recreation opportunities, often encompassing significant natural area as well as active recreation areas. May serve as a district or neighborhood park when located in residential areas. Minimum size is 80 acres, optimum size is 175 acres. Service area includes 20 minute driving time; 5 mile radius. Typical facilities and activities include swimming pool, recreation complex, picnic areas, playground, ice rink, trails, field and court sports complexes with provisions for night time use, golf course, natural areas.

Regional Park

Designed to provide the opportunity to experience an extensive area of natural environment, an opportunity not usually possible in local urban parks. Minimum size is 250 acres, no maximum size. Service area includes within one hour driving time; serving metropolitan area; 30 mile radius. Typical facilities and activities include campgrounds, play areas, picnic areas, nature centers, trail systems, water features, winter sports facilities, botanical gardens, etc., in some cases, sports fields; roads may serve for scenic drive through park.

Linear Park

These lands are open space connections between two geographic points. Provide protection in floodways. Potential transportation corridors. Serve preservation and conservation uses No minimum or maximum size. Service area dependent on adjacent lands. Lands may be greenways, parkways, landscaped boulevards, median green strips, multi-use trailways, and floodplains or drainage courses.

Special

Serves one predominant function. Site and facility specific. Service area dependent on special interest demand. Typical facilities and activities include golf courses, marinas, ice rink, stadium, polo fields, model airplane fields, sports complex, etc.

Historical or Archaeological Arts and Cultural

Preservation of a recognized or archaeological landmark, or to serve as a forum for art and/or cultural exhibits or festivals. Site specific. Service area is metropolitan region. Typical facilities and activities include homes, military installations, towns, mounds, mines, bluff sites, amphitheater, sculpture garden, music and drama center, museums, etc.

FACILITY DEFINITIONS

Aquatic Center (Outdoor)

Zero depth entry pool, zoned areas for age and skill groups with water play structures and water play spaces. Usually accompanied with a 25 yard or 50 meter competition pool.

Boat Dock

A facility located in or adjacent to water which is designed and constructed to provide for the mooring and/or storage of boats or watercraft.

Boat Launching Area

An area for boat or watercraft launching and removal. Area could include a launching ramp, maneuvering and rigging area and/or other launching facilities.

Boat Launching Ramp

A graded and surface-stabilized facility designed and constructed to allow for the launching and removal of boats or watercraft from the waterway by means of a trailer.

Baseball/Softball

Multi-purpose athletic field with protective fencing and players benches. Suitable for practice or league play, not intended to accommodate tournaments or spectator seating. Ideally suited for neighborhood park or school site.

Basketball

Multi-purpose hard surface court with striping and goals. Suitable for practice or informal play, not intended to accommodate tournaments or spectator seating. Ideally suited for neighborhood park or school site.

Community Center

Typically include the following: Banquet / Conference Rooms, Childcare, Classrooms, Dance Center, Fitness Center, Indoor Basketball, Indoor Sport Facility, Karate, Racquetball, Senior Citizen Center, Teen Center, Wrestling. May also include an indoor swimming pool and indoor ice skating rink depending on market feasibility. Primarily for social, recreational, or educational needs of the community or neighborhood.

Equestrian Trail

Trails developed for horseback riding. Loop trails are usually located in larger parks and natural resource areas. Sometimes developed as multi-purpose with hiking and all-terrain biking where conflicts can be controlled.

Fitness Trail

An outdoor series of exercise equipment situated along a trail. The trail is generally located among trees in order to provide shade. Signage at the beginning of the trail and at each fitness station instructs users as to the proper technique for each exercise as well as other pertinent fitness information such as pulse rate, and warm-up / cool down routine, etc.

Football/Soccer

Multi-purpose athletic field with portable goals. Suitable for practice or league play, not intended to accommodate tournaments or spectator seating. Ideally suited for neighborhood park or school site.

Golf Course (9-18 Hole)

An outdoor course which comprises either 9 or 18 holes with a combination of par 3s, 4s, and 5s. Golf courses are usually classified as “regulation” or championship,” “executive” or “intermediate,” and par-3 courses.

Handball

A hard surface court with striping and concrete wall. Suitable for practice or informal play, not intended to accommodate tournaments or spectator seating. Courts are typically grouped to share a common wall.

Horseshoe Pit

A level playing area with two stakes 30-40 feet apart for the purpose of horseshoe pitching.

Ice Rink/Hockey Court

An outdoor court with wooden sides that conform to court dimensions. Rink/Court is flooded in winter for the formation of ice. Hockey is permitted unless informal skating times/policies are implemented.

In-Line Skate Rink/Court

An outdoor court with wooden sides and textured surface that conforms to court dimensions. Rink/Court is cleared of debris that interferes with in-line skates. Hockey is permitted unless informal skating times/policies are implemented.

Lakes/Ponds

A body of water at least 18" deep and ½ acre in size that retains water year round. Surface of water is algae-free. Activities such as fishing and boating are encouraged.

Multi-Purpose Court

A paved area striped for more than one recreational activity with overlapping configurations such that only one activity is permitted at a given time. A typical example would include basketball, volleyball and tennis. Typically 120' x 80' in size.

Multi-Use Trail/Greenway

Multipurpose trails located within greenways, parks and natural resource areas. Focus is on recreational value and harmony with natural environment. Can be single or multi-purpose use, hard surfaced trails for pedestrians or bicyclists/in-line skaters, or nature trails for pedestrians. May be hard or soft surfaced.

Nature Trail

A trail located among an unmaintained landscape such as a forest, prairie, or wetland that has little to no impact on the surrounding area in order to preserve the character of the area.

Outdoor Amphitheater

An oval or circular area with rising tiers of seats arranged about an outdoor open space. Typically an amphitheater is built into the side of an abrupt slope and used to host theatrical events, concerts, etc. Seating capacity determined by local preference. Not intended for regional events.

Picnic Pavilion

A structure with a solid roof and open sides that protects users from inclement weather. Picnic tables are provided for the capacity of the shelter.

Playgrounds

Structured age appropriate playgrounds, high use intensity. Typically, a playground is defined as an area with play equipment and appropriate surfacing that corresponds to each particular piece of equipment. Playgrounds are designed appropriately for different age groups and sited to avoid conflicts between users.

Shuffleboard

A 52' x 10' striped and paved court that permits the play of shuffleboard. Equipment may be provided at each court or available for rent at a specified location.

Skateboard Park

A paved area with smooth contoured surfaces designed to create challenges for a skateboarder.

Sports Complex (Outdoor)

Consolidates heavily programmed athletic fields and associated facilities to larger and fewer sites strategically located throughout the community.

Size is determined by projected demand. Usually a minimum of 25 acres, with 40 to 80 acres being optimal. To accommodate 12 baseball fields, 12 athletic fields and community park support facilities a proposed site can approach 100 acres.

Swimming Pool (Indoor)

A climate controlled pool facility located inside a building that permits year-round swimming.

Tennis

A paved and striped court with perimeter fencing.

Volleyball

A hard or soft surface (sand) with poles and net.

Open Space

Public lands held in the public interest to provide for: passive and active outdoor recreational use; areas of public access, enjoyment, and interaction; and prominent geographical, geological, and culturally significant features. Such areas may contain, but are not limited to: common use greenspace areas, passive/natural areas, forest, floodplains, wetlands and scenic vistas.

The Kirkwood Park Board has created a series of land use classifications for analyzing the use of land within its park system. These classifications are defined to the right.

*The Strategic Planning Subcommittee of the Kirkwood Park Board has also created a definition of **Public Open Space** which is: “**Public lands held in the public interest to provide for: passive and active outdoor recreational use; areas of public access, enjoyment, and interaction; and prominent geographical, geological, and culturally significant features. Such areas may contain, but are not limited to: common use greenspace areas, passive/natural areas, forest, floodplains, wetlands and scenic vistas.**”*

Appendix B

PARK LAND USE DEFINITIONS AND GUIDELINES

On-Street Bike and Pedestrian Ways

Paved segments of roadways that serve as a means to safely separate bicyclists from vehicular traffic. Bike routes designate portions of the roadway for the preferential or exclusive use of bicycles; bike lanes are shared portions of the roadway that provide separation from bicycles and vehicular traffic, such as paved shoulders.

Passive/Natural (PN)

Low or no maintenance other than for safety, accessibility and control of non-native plant species; minimal man made elements. Trails. Lower intensity. Typically not mowed. Possible subuse: wetlands, wildlife, conservation, environmentally sensitive areas.

Open/Green Space (OG)

Maintained landscape areas. Use includes: picnic, walking, exercise paths, special events, bike trails, docks, walking paths. Bordering a water feature, this area should be at least double the width of a river, creek or stream.

Playground (PG)

Structured age appropriate playgrounds, high use intensity.

Hard Court Athletic (HC)

Impervious surfaces: Tennis, Basketball

Soft Court Athletic (SC)

Pervious surfaces: Sports fields and structured activities

Parking (P)

Vehicular circulation

Service (S)

Administrative and maintenance functions.

Architectural (AR)

Commerce, Display, Active Recreation, Interpretive Display, structures, shelter, high intensity human interaction.

Note: School, church or public institutional property meeting park board definitions could be identified by beginning with an "I".

Example: Passive/Natural (PN) behind Westchester School would become IPN.

The cost estimates prepared for the twenty year cost projections were estimated in 2004 US Dollars. The previous Implementation Strategies section of this Master Plan outlines many existing and potential funding and acquisition sources to be utilized for accomplishing the plan. All have played a part in past park development. The costs expressed in the following estimates are not anticipated to come entirely from City funds, but from various combinations of these funding and acquisition sources.

Appendix D

COST ESTIMATES

Appendix D includes the cost estimates prepared for the twenty year cost projections. Strategic land acquisition is a high priority which could pre-empt implementation of priority projects.

These estimates include a 10% contingency, a 5% construction contingency, and an 8% design/implementation fee. No adjustments have been made for inflation.

Twenty Year Cost Projection

<i>Item</i>	<i>Total Cost</i>
PARKS	
KIRKWOOD PARK	\$ 5,474,776
GREENTREE PARK	\$ 1,819,680
EMMENEGGER PARK	\$ 713,996
WALKER PARK	\$ 287,803
MERAMEC HIGHLANDS QUARRY PARK	\$ 301,553
DEPOT PARK	\$ 48,100
MITCHELL PARK	\$ 61,500
FILLMORE PARK	\$ 74,300
MEACHAM PARK	\$ -
FIREMAN'S PARK	\$ 401,100
PROPOSED PLAYLOT "A"	\$ 149,700
PROPOSED PLAYLOT "B"	\$ 149,700
PROPOSED MINI PARK "A"	\$ 280,700
TRAILS *	\$ 7,436,900
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	\$17,199,807

Strategic land acquisition is a high priority which could pre-empt the implementation of priority projects.

* The Plan anticipates that most of the costs for Trails will be budgeted through transportation agencies such as Public Works, St. Louis County or MoDot.

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Kirkwood Park

Final

Item	Unit	Qty	Unit Price	Total Cost
1 COMMUNITY CENTER				
Parking Lot Hardscape & Landscape Improvements	LS	1	\$ 25,000.00	\$ 25,000
Pedestrian Pathway/Entrance	LS	1	\$ 24,000.00	\$ 24,000
Entry Sequence Improvements @ Argonne	LS	1	\$ 15,000.00	\$ 15,000
2 WALKER LAKE IMPROVEMENTS				
Edge Condition Improvements (Planting & Limestone Ledgerrock)	LS	1	\$ 285,000.00	\$ 285,000
Lakeside Pavilion	LS	1	\$ 85,000.00	\$ 85,000
Handball Courts Removal	LS	1	\$ 28,500.00	\$ 28,500
Parking Lot Screen Planting	LS	1	\$ 15,000.00	\$ 15,000
Water Recirculation System (Stream)	LS	1	\$ 50,000.00	\$ 50,000
Fountain System	LS	1	\$ 30,000.00	\$ 30,000
Channelized Stream Improvements	LS	1	\$ 135,000.00	\$ 135,000
Island Enhancements (Ledgerrock Edge, Flagstone Paving, Edge Planting)	LS	1	\$ 126,000.00	\$ 126,000
Perimeter Trail Connection	LF	350	\$ 30.00	\$ 10,500
Open Space Enhancements	LS	1	\$ 15,500.00	\$ 15,500
3 CENTRAL COMMUNITY SPACE				
Combined Comfort Station/Concession Stand/Ranger Station	LS	1	\$ 210,000.00	\$ 210,000
Plaza	LS	1	\$ 101,500.00	\$ 101,500
Playground Improvements	LS	1	\$ 170,000.00	\$ 170,000
4 ATHLETIC FIELDS				
Long-Term Upgrades/Enhancements	EA	2	\$ 1,600.00	\$ 3,200
New Lighting Field #4	LS	1	\$ 95,000.00	\$ 95,000
Reconfigure Field #5	LS	1	\$ 22,500.00	\$ 22,500
Irrigation for Field #3, #4, and #5	LS	1	\$ 99,000.00	\$ 99,000
New Pavilion	LS	1	\$ 65,000.00	\$ 65,000
Trailhead	LS	1	\$ 3,500.00	\$ 3,500
5 TENNIS CENTER				
New Tennis Building	LS	1	\$ 160,000.00	\$ 160,000
Gathering Plaza	SY	225	\$ 80.00	\$ 18,000
Relocated (New) Handball Courts (2)	EA	2	\$ 30,000.00	\$ 60,000
6 EXISTING PARKING LOT				
7 LIONS PICNIC AREA				
Renovate or Replace Lions Pavilion	LS	1	\$ 140,000.00	\$ 140,000
Remove BBQ Pit Structure	LS	1	\$ 9,300.00	\$ 9,300
BBQ Plaza @ Lions Pavilion	LS	1	\$ 6,950.00	\$ 6,950
8 AMPHITHEATER				
ADA Drop Off	SY	180	\$ 50.00	\$ 9,000
Upper Level Wheelchair Seating	LS	1	\$ 17,500.00	\$ 17,500
Pathway/Pedestrian Link Improvements	LS	1	\$ 10,650.00	\$ 10,650
Sheltering Structure	LS	1	\$ 131,700.00	\$ 131,700
9 SCOUT COMFORT STATION/PICNIC SHELTER				
Remove and Replace Comfort Station	LS	1	\$ 135,778.00	\$ 135,778
Scout Pavilion Improvements	LS	1	\$ 21,700.00	\$ 21,700
10 MAINTENANCE AREA				
Remove Existing Maintenance Building	LS	1	\$ 28,200.00	\$ 28,200
New Maintenance Building	SF	12100	\$ 90.00	\$ 1,089,000
New Maintenance Yard	LS	1	\$ 114,700.00	\$ 114,700
Perimeter Screen Fence	LF	1160	\$ 22.00	\$ 25,520
Landscape Screening	LS	1	\$ 25,000.00	\$ 25,000
Existing Road Realignment/Widening	LS	1	\$ 35,000.00	\$ 35,000
11 WEST VALLEY				
Remove Buildings and Features	LS	1	\$ 38,680.00	\$ 38,680
Convert Roadway to 14' Wide Trail	LS	1	\$ 3,000.00	\$ 3,000
Enhanced Plantings for Wildlife Observation	LS	1	\$ 20,000.00	\$ 20,000
Open Space Improvements	LS	1	\$ 15,000.00	\$ 15,000
Turnaround Parking Lot	LS	1	\$ 40,000.00	\$ 40,000
12 NEIGHBORHOOD GATEWAY				
Remove Lions Building	LS	1	\$ 14,600.00	\$ 14,600
Trailhead	LS	1	\$ 3,500.00	\$ 3,500
New Pavilion	LS	1	\$ 25,000.00	\$ 25,000
Playground	LS	1	\$ 52,000.00	\$ 52,000
13 GENERAL/UTILITY/INFRASTRUCTURE IMPROVEMENTS				
Upgraded Water Service along Main Spine	LS	1	\$ 88,900.00	\$ 88,900
Data/Communications Upgrades @ Maintenance Area	LS	1	\$ 15,000.00	\$ 15,000
Architectural Enhancements to Pump Station	LS	1	\$ 15,500.00	\$ 15,500
Main Walkway & Trail Repaving	LF	6080	\$ 25.00	\$ 152,000
New Trailheads	EA	3	\$ 3,500.00	\$ 10,500
Perimeter trail System	LF	5500	\$ 30.00	\$ 165,000
Fitness Loop	LS	1	\$ 11,500.00	\$ 11,500
14 SIGNAGE IMPROVEMENTS				
New Main Sign @ NE Corner	LS	1	\$ 43,600.00	\$ 43,600
New Entrance Sign @ Argonne	LS	1	\$ 10,000.00	\$ 10,000
New Entrance Sign @ Monroe	LS	1	\$ 1,000.00	\$ 1,000
Directional Signage	LS	1	\$ 5,000.00	\$ 5,000
Wayfind Signage @ Geyer Ped. Entrance	LS	1	\$ 3,500.00	\$ 3,500
Wayfind Signage @ Central Community Plaza	LS	1	\$ 3,500.00	\$ 3,500
Sub-Total Master Plan Construction Cost Estimate				\$4,388,978
Contingency (10%)				\$438,898
			Subtotal	\$4,827,876
Construction Contingency (5%)				\$241,400
Fees (8%)				\$405,500
			TOTAL	\$5,474,776

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Greentree Park

Final

Item	Unit	Qty	Unit Price	Total Cost
1 EXISTING NATURAL WOODED AREA				
New Trails	LF	4680	\$ 30.00	\$ 140,400
2 EXISTING ATHLETIC FIELDS				
Football/Soccer/Lacrosse Field				
Practice Area				
Softball Field				
Youth Baseball Field				
3 EXISTING ROADWAY				
4 EXISTING PARKING				
New Asphalt Pavement	SY	2800	\$ 12.00	\$ 33,600
5 WETLAND DEMONSTRATION INTERPRETATION AREA				
Interpretive Pavilion w/ Comfort Station	LS	1	\$ 130,000.00	\$ 130,000
6 SHORT/TALL PRAIRIE	AC	7.3	\$ 2,000.00	\$ 14,600
7 ATHLETIC FIELDS				
Relocated Fields #2 & #6 from Kirkwood Park	LS	1	\$ 100,000.00	\$ 100,000
Lighting for Fields #2 & #6 from Kirkwood Park	LS	1	\$ 190,000.00	\$ 190,000
Irrigation for Fields #2 & #6 from Kirkwood Park	LS	1	\$ 70,000.00	\$ 70,000
8 PARKING	LS	1	\$ 270,000.00	\$ 270,000
9 PLAZA AREA	LS	1	\$ 35,000.00	\$ 35,000
Comfort Station	LS	1	\$ 110,000.00	\$ 110,000
Playground	LS	1	\$ 52,000.00	\$ 52,000
10 EXISTING REMOTE CONTROL CAR TRACK				
11 LINK TO MERAMEC GREENWAY				
12 TRAIL	LS	1	\$ 136,000.00	\$ 136,000
13 NEW PAVILION	LS	1	\$ 65,000.00	\$ 65,000
14 EXISTING PAVILION				
Aesthetic Improvements	LS	1	\$ 12,200.00	\$ 12,200
Signage	LS	1	\$ 1,000.00	\$ 1,000
New Playground	LS	1	\$ 52,000.00	\$ 52,000
15 EXISTING BOAT RAMP				
16 UPGRADED COMFORT STATION				
Aesthetic Improvements	LS	1	\$ 26,000.00	\$ 26,000
Signage	LS	1	\$ 1,000.00	\$ 1,000
17 EXISTING BRIDGE				
18 INTERPRETIVE PAVILION	LS	1	\$ 20,000.00	\$ 20,000
19 LINK TO EMMENEGGER PARK				
20 CONNECTION TO CITY-WIDE TRAIL SYSTEM VIA MARSHALL ROAD				
Sub-Total Master Plan Construction Cost Estimate				\$1,458,800
Contingency (10%)				\$145,880
			Subtotal	\$1,604,680
Construction Contingency (5%)				\$80,200
Fees (8%)				\$134,800
			TOTAL	\$1,819,680

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Emmenegger Park

Final

Item	Unit	Qty	Unit Price	Total Cost
1 FUTURE LINK TO GREENTREE PARK				
2 EXISTING OPEN FIELD				
New Trail Extension to Open Field	LF	700	\$ 30.00	\$ 21,000
3 NEW RIVERFRONT TRAIL				
4 EXISTING TRAIL	LF	3500	\$ 30.00	\$ 105,000
5 IMPROVED TRAILHEAD				
Bike Parking/Pedestrian Access	LS	1	\$ 4,500.00	\$ 4,500
6 WELCOME FEATURE				
Directional Signage	LS	1	\$ 6,000.00	\$ 6,000
7 LINK TO POWDER VALLEY NATURE CENTER				
8 EXISTING SERVICE ENTRANCE				
Park Maintenance Access	LS	1	\$ 2,000.00	\$ 2,000
Bike Parking/Pedestrian Access	LS	1	\$ 4,000.00	\$ 4,000
9 BIKE TRAIL LINK TO MAIN ENTRANCE				
10 EXISTING BRIDGE	LS	1	\$ 30,000.00	\$ 30,000
11 IMPROVED ACCESSIBLE TRAILHEAD				
Parking Lot Paving	SY	560	\$ 40.00	\$ 22,400
Wayfind/Directional Signage	EA	2	\$ 1,500.00	\$ 3,000
12 NEW PERIMETER TRAIL				
13 IMPROVED INFORMAL OPEN FIELD	LF	1160	\$ 31.00	\$ 35,960
New Pavilion				
Pavilion	EA	1	\$ 57,000.00	\$ 57,000
Playground				
Playground	LS	1	\$ 52,000.00	\$ 52,000
14 RENOVATED COMFORT STATION				
Aesthetic Improvements	LS	1	\$ 26,000.00	\$ 26,000
Signage	LS	1	\$ 1,000.00	\$ 1,000
Accessible Pathway	LF	160	\$ 30.00	\$ 4,800
15 RIVERFRONT PICNIC/FISHING AREA				
New Picnic Tables	EA	15	\$ 500.00	\$ 7,500
Accessible Fishing Area	LS	1	\$ 30,000.00	\$ 30,000
New Horseshoe Pits (2)	EA	2	\$ 250.00	\$ 500
Sand Volleyball Courts (2)	EA	2	\$ 2,000.00	\$ 4,000
16 RENOVATED PAVILION				
Aesthetic Improvements	LS	1	\$ 12,200.00	\$ 12,200
BBQ Area	LS	1	\$ 7,000.00	\$ 7,000
New Signage	LS	1	\$ 1,000.00	\$ 1,000
17 MAIN ENTRANCE IMPROVEMENTS				
New Paving (Roadway)	SY	3100	\$ 40.00	\$ 124,000
New Entrance Signage	LS	1	\$ 10,000.00	\$ 10,000
Directional Signage	LS	1	\$ 1,500.00	\$ 1,500
18 EXISTING PARKING LOT				
19 FUTURE CONNECTION TO SUNSET HILLS				
Sub-Total Master Plan Construction Cost Estimate				\$572,360
Contingency (10%)				\$57,236
			Subtotal	\$629,596
Construction Contingency (5%)				\$31,500
Fees (8%)				\$52,900
			TOTAL	\$713,996

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Walker Park

Final

Item	Unit	Qty	Unit Price	Total Cost
1 NEW SHADE TREES	EA	4	\$ 500.00	\$ 2,000
2 PAVILION	LS	1	\$ 40,000.00	\$ 40,000
3 EXISTING WOOD FENCE				
4 FLOWERING TREES	EA	20	\$ 500.00	\$ 10,000
5 BENCHES	EA	5	\$ 1,500.00	\$ 7,500
6 IRRIGATION	LS	1	\$ 12,000.00	\$ 12,000
7 ENTRANCE	SY	20	\$ 80.00	\$ 1,600
8 METAL PICKET FENCE W/ STONE COLUMNS	LS	1	\$ 40,100.00	\$ 40,100
9 GROUNDCOVER/FLOWERING PERENNIALS	LS	1	\$ 18,000.00	\$ 18,000
10 PLAY AREA				
Safety Surface	SF	770	\$ 20.00	\$ 15,400
Ground Level Play Equipment	LS	1	\$ 26,500.00	\$ 26,500
Bronze Turtles				
11 OPEN LAWN/SITE RESTORATION	LS	1	\$ 10,000.00	\$ 10,000
12 PAVED PATH	SY	270	\$ 80.00	\$ 21,600
13 EXISTING SIDEWALK				
14 SIGN WALL				
Sign Wall	LS	1	\$ 3,500.00	\$ 3,500
15 EXISTING TREES				\$ 200
16 WOODLAND AREA				
Flagstone Pavers	SF	1240	\$ 14.00	\$ 17,360
Fountain	LS	1	\$ 1,200.00	\$ 1,200
17 PAVED GAME TABLE AREA	LS	1	\$ 3,770.00	\$ 3,770
Sub-Total Master Plan Construction Cost Estimate				\$230,730
Contingency (10%)				\$23,073
			Subtotal	\$253,803
Construction Contingency (5%)				\$12,700
Fees (8%)				\$21,300
			TOTAL	\$287,803

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Meramec Highlands Quarry at Dee Koesterling Park

Final

Item	Unit	Qty	Unit Price	Total Cost
1 POTENTIAL MARSHALL ROAD BY-PASS TRAIL				
Included in Trail estimate				
2 EXISTING OVERLOOK STRUCTURE				
3 EXISTING QUARRY SPOILS				
4 NEW TRAIL	LS	1	\$ 24,000.00	\$ 24,000
5 EXISTING TRAIL				
6 SHELTER/OUTDOOR CLASSROOM				
Composting Toilet/Portable Restroom Structure	LS	1	\$ 35,000.00	\$ 35,000
Outdoor Classroom	LS	1	\$ 85,000.00	\$ 85,000
7 NEW BRIDGE	LS	1	\$ 64,000.00	\$ 64,000
8 LOW WATER CROSSING	LS	1	\$ 7,750.00	\$ 7,750
9 EXISTING ROADWAY				
Intermediate Resting Areas w/ Benches	LS	1	\$ 2,025.00	\$ 2,025
10 EXISTING PARKING AREA				
11 EXISTING GATE				
12 UTILITY INFRASTRUCTURE IMPROVEMENTS				
Water Line tap w/ Freeze-Proof Drinking Fountain	LS	1	\$ 9,000.00	\$ 9,000
13 SIGNAGE IMPROVEMENTS				
New Main Entrance Sign	LS	1	\$ 10,000.00	\$ 10,000
Directional Sign	LS	1	\$ 1,500.00	\$ 1,500
Wayfind Laminate Map	LS	1	\$ 3,500.00	\$ 3,500
14 MARSHALL ROAD BIKE ROUTE				
Sub-Total Master Plan Construction Cost Estimate				\$241,775
Contingency (10%)				\$24,178
			Subtotal	\$265,953
Construction Contingency (5%)				\$13,300
Fees (8%)				\$22,300
			TOTAL	\$301,553

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Depot Park

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 UPDATE PLAYGROUND SURFACING	LS	1	\$ 27,000.00	\$ 27,000
2. NEW SIGNAGE				
New Main Entrance Sign	LS	1	\$ 10,000.00	\$ 10,000
Directional Sign	LS	1	\$ 1,500.00	\$ 1,500
Sub-Total Master Plan Construction Cost Estimate				\$38,500
Contingency (10%)				\$3,850
			Subtotal	\$42,350
Construction Contingency (5%)				\$2,100
Fees (8%)				\$3,600
			TOTAL	\$48,100

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Mitchell Park

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 UPDATE PLAYGROUND SURFACING	LS	1	\$ 27,000.00	\$ 27,000
2 NEW SIGNAGE				
New Main Entrance Sign	LS	1	\$ 10,000.00	\$ 10,000
Directional Sign	LS	1	\$ 1,500.00	\$ 1,500
3 SITE FURNISHINGS UPGRADE	LS	1	\$ 10,800.00	\$ 10,800
Sub-Total Master Plan Construction Cost Estimate				\$49,300
Contingency (10%)				\$4,930
			Subtotal	\$54,230
Construction Contingency (5%)				\$2,700
Fees (8%)				\$4,600
			TOTAL	\$61,500

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Fillmore Park

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 UPDATE PLAYGROUND SURFACING	LS	1	\$ 27,000.00	\$ 48,000
2 NEW SIGNAGE				
New Main Entrance Sign	LS	1	\$ 10,000.00	\$ 10,000
Directional Sign	LS	1	\$ 1,500.00	\$ 1,500
Sub-Total Master Plan Construction Cost Estimate				\$59,500
Contingency (10%)				\$5,950
			Subtotal	\$65,450
Construction Contingency (5%)				\$3,300
Fees (8%)				\$5,500
			TOTAL	\$74,300

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Fireman's Park

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 NEW SIGNAGE				
New Main Entrance Sign	LS	1	\$ 10,000.00	\$ 10,000
Directional Sign	LS	1	\$ 1,500.00	\$ 1,500
2 LAND ACQUISITION FOR GREENSPACE/BIRD SANCTUARY	AC	2	\$ 150,000.00	\$ 300,000
3 NEW PARKING AREA	LS	1	\$ 10,000.00	\$ 10,000
Sub-Total Master Plan Construction Cost Estimate				\$321,500
Contingency (10%)				\$32,150
			Subtotal	\$353,650
Construction Contingency (5%)				\$17,700
Fees (8%)				\$29,700
			TOTAL	\$401,100

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Proposed Playlot A

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 LAND ACQUISITION	AC	0.3	\$ 180,000.00	\$ 54,000
2 FACILITIES	AC	0.3	\$ 220,000.00	\$ 66,000
Sub-Total Master Plan Construction Cost Estimate				\$120,000
Contingency (10%)				\$12,000
				Subtotal
				\$132,000
Construction Contingency (5%)				\$6,600
Fees (8%)				\$11,100
TOTAL				\$149,700

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Proposed Playlot B

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 LAND ACQUISITION	AC	0.3	\$ 180,000.00	\$ 54,000
2 FACILITIES	AC	0.3	\$ 220,000.00	\$ 66,000
Sub-Total Master Plan Construction Cost Estimate				\$120,000
Contingency (10%)				\$12,000
			Subtotal	\$132,000
Construction Contingency (5%)				\$6,600
Fees (8%)				\$11,100
			TOTAL	\$149,700

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Proposed Mini Park A

Final

<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total Cost</i>
1 LAND ACQUISITION	AC	1	\$ 180,000.00	\$ 180,000
2 FACILITIES	AC	0.3	\$ 150,000.00	\$ 45,000
Sub-Total Master Plan Construction Cost Estimate				\$225,000
Contingency (10%)				\$22,500
				Subtotal
				\$247,500
Construction Contingency (5%)				\$12,400
Fees (8%)				\$20,800
TOTAL				\$280,700

ROUGH ORDER of MAGNITUDE CONCEPT COST ESTIMATE

Trails

Final

Item	Unit	Qty	Unit Price	Total Cost
1 GRANTS TRAIL EXTENSION (includes Grants Trail to Greentree)				
Land Acquisition	AC	4.5	\$ -	\$ -
Trail Construction	LF	3500	\$ 30.00	\$ 105,000
Railroad Crossings	EA	2	\$ 50,000.00	\$ 100,000
Trailhead/Park Development	AC	3	\$ 25,000.00	\$ 75,000
Signage (1 Sign per 1300 lf)	EA	2	\$ 150.00	\$ 300
Median Treatment (Landscape Renovation Only)	LS	1	\$ 45,000.00	\$ 45,000
Lane Striping (Grants Trail to Greentree Connector)	LF	5400	\$ 3.20	\$ 17,280
Signage (1 Sign per 1300 lf) (Grants Trail to Greentree Connector)	EA	4	\$ 150.00	\$ 600
Roadway/Shoulder Improvements (Grants Trail to Greentree Connector)	LF	5400	\$ 40.00	\$ 216,000
2 EMMENEGGER PARK TO GREENTREE PARK CONNECTOR				
Land Acquisition	AC	1.3	\$ 180,000.00	\$ 234,000
Trail Construction	LF	1800	\$ 30.00	\$ 54,000
Bridges	EA	3	\$ 165,000.00	\$ 495,000
Signage/Furnishings	LS	1	\$ 30,000.00	\$ 30,000
3 EXISTING BIKE ROUTES				
4 PROPOSED MAIN BIKE ROUTES				
Lane Striping	LF	35100	\$ 3.20	\$ 112,320
Signage (1 Sign per 1300 lf)	EA	28	\$ 150.00	\$ 4,200
Roadway/Shoulder Improvements	LF	35100	\$ 40.00	\$ 1,404,000
5 PROPOSED SECONDARY BIKE ROUTES				
Lane Striping	LF	54200	\$ 3.20	\$ 173,440
Signage (1 Sign per 1300 lf)	LF	42	\$ 150.00	\$ 6,300
Roadway/Shoulder Improvements	LF	54200	\$ 40.00	\$ 2,168,000
6 PROPOSED TRAILS				
Land Acquisition	AC	3.2	\$ 180,000.00	\$ 576,000
Trail Construction	LF	4300	\$ 30.00	\$ 129,000
7 PROPOSED PARK CONNECTORS				
8 NEIGHBORHOOD CONNECTORS				
9 ADJACENT COMMUNITY CORRIDORS				
10 LINKAGES				
System Orientation Signage	EA	22	\$ 750.00	\$ 16,500
Sub-Total Master Plan Construction Cost Estimate				\$5,961,940
Contingency (10%)				\$596,194
Subtotal				\$6,558,134
Construction Contingency (5%)				\$327,900
Fees (8%)				\$550,900
TOTAL				\$7,436,900

The plan anticipates that most of the cost for items 4 through 10 will be budgeted through transportation agencies such as Public Works, St. Louis County or MoDot.

Priority Projects

Kirkwood Park and Recreation Master Plan

Final

Project #	Item	Unit	Qty	Unit Price	Total Cost	Total Cost w/Contingency	Comments
1	KIRKWOOD PARK						
	3 CENTRAL COMMUNITY SPACE						
	Combined Comfort Station/Concession Stand/Ranger Station	LS	1	\$ 210,000.00	\$ 210,000	\$ 261,933	
	Plaza	LS	1	\$ 101,500.00	\$ 101,500	\$ 126,601	INCLD DEMO & CONC. PAVERS
	Playground Improvements	LS	1	\$ 170,000.00	\$ 170,000	\$ 212,041	SAFETY SURFACE W/ CONC. SUBBASE
1	KIRKWOOD PARK						
	9 SCOUT COMFORT STATION/PICNIC SHELTER						
	Remove and Replace Comfort Station	LS	1	\$ 135,778.00	\$ 135,778	\$ 169,356	
	Scout Pavilion Improvements	LS	1	\$ 21,700.00	\$ 21,700	\$ 27,066	
2	KIRKWOOD PARK						
	2 WALKER LAKE IMPROVEMENTS						
	Edge Condition Improvements (Planting & Limestone Ledgerrock)	LS	1	\$ 285,000.00	\$ 285,000	\$ 355,481	
	Lakeside Pavilion	LS	1	\$ 85,000.00	\$ 85,000	\$ 106,021	
	Handball Courts Removal	LS	1	\$ 28,500.00	\$ 28,500	\$ 35,548	
	Parking Lot Screen Planting	LS	1	\$ 15,000.00	\$ 15,000	\$ 18,710	
	Water Recirculation System (Stream)	LS	1	\$ 50,000.00	\$ 50,000	\$ 62,365	
	Fountain System	LS	1	\$ 30,000.00	\$ 30,000	\$ 37,419	
	Channelized Stream Improvements	LS	1	\$ 135,000.00	\$ 135,000	\$ 168,386	
	Island Enhancements (Ledgerrock Edge, Flagstone Paving, Edge Planting)	LS	1	\$ 126,000.00	\$ 126,000	\$ 157,160	
	Perimeter Trail Connection	LF	350	\$ 30.00	\$ 10,500	\$ 13,097	12' TRAIL WIDTH
	Open Space Enhancements	LS	1	\$ 15,500.00	\$ 15,500	\$ 19,333	TREE PLANTINGS & HOUSE DEMO W/ RESTORATION
3	WALKER PARK						
	1 NEW SHADE TREES	EA	4	\$ 500.00	\$ 2,000	\$ 2,495	
	2 PAVILION	LS	1	\$ 35,000.00	\$ 35,000	\$ 43,656	INCLUDES \$10,000 FOR POWER CONNECTION & SERV. TO FOUNTAIN
	3 EXISTING WOOD FENCE						
	4 FLOWERING TREES	EA	20	\$ 500.00	\$ 10,000	\$ 12,473	
	5 BENCHES	EA	8	\$ 1,500.00	\$ 12,000	\$ 14,968	
	6 IRRIGATION	LS	1	\$ 12,000.00	\$ 12,000	\$ 14,968	
	7 ENTRANCE	SY	20	\$ 80.00	\$ 1,600	\$ 1,996	SPECIAL PAVEMENT
	8 METAL PICKET FENCE W/ STONE COLUMNS	LS	1	\$ 40,100.00	\$ 40,100	\$ 50,017	
	9 GROUND COVER/FLOWERING PERENNIALS	LS	1	\$ 18,000.00	\$ 18,000	\$ 22,451	
	10 PLAY AREA						
	Safety Surface	SF	770	\$ 20.00	\$ 15,400	\$ 19,208	
	Ground Level Play Equipment	LS	1	\$ 26,500.00	\$ 26,500	\$ 33,053	
	Bronze Turtles						
	11 OPEN LAWN	LS	1	\$ 10,000.00	\$ 10,000	\$ 12,473	
	12 PAVED PATH	SY	270	\$ 80.00	\$ 21,600	\$ 26,942	
	13 EXISTING SIDEWALK						
	14 SIGN WALL						
	Sign Wall	LS	1	\$ 3,500.00	\$ 3,500	\$ 4,366	
	Flowering Annuals	LS	1	\$ 200.00	\$ 200	\$ 249	
	15 EXISTING TREES						
	16 WOODLAND AREA						
	Flagstone Pavers	SF	1240	\$ 14.00	\$ 17,360	\$ 21,653	
	Fountain	LS	1	\$ 1,200.00	\$ 1,200	\$ 1,497	
	17 PAVED GAME TABLE AREA	LS	1	\$ 3,770.00	\$ 3,770	\$ 4,702	
4	EMMENEGGER PARK TO GREENTREE PARK CONNECTOR						
	Land Acquisition	AC	1.3	\$ 180,000.00	\$ 234,000	\$ 291,868	32' ROW FOR 12' WIDE TRAIL
	Trail Construction	LF	1800	\$ 30.00	\$ 54,000	\$ 67,354	
	Bridges	EA	3	\$ 165,000.00	\$ 495,000	\$ 617,414	128' SPAN, 12' WIDTH
	Signage/Furnishings	LS	1	\$ 30,000.00	\$ 30,000	\$ 37,419	INCLUDES 2 KIOSK STRUCTURES
5	GREENTREE PARK						
	9 PLAZA AREA	LS	1	\$ 35,000.00	\$ 35,000	\$ 43,656	CONC. PAVERS
	Comfort Station	LS	1	\$ 110,000.00	\$ 110,000	\$ 137,203	
	Playground	LS	1	\$ 52,000.00	\$ 52,000	\$ 64,860	INCLUDES PLAY EQUIP., CONC. SUBBASE & SAFETY SURFACE
6	KIRKWOOD PARK						
	10 MAINTENANCE AREA						
	Remove Existing Maintenance Building	LS	1	\$ 28,200.00	\$ 28,200	\$ 35,174	
	New Maintenance Building	SF	12100	\$ 90.00	\$ 1,089,000	\$ 1,358,310	2 STORY-INCLD. RANGE ON 2ND FLOOR
	New Maintenance Yard	LS	1	\$ 114,700.00	\$ 114,700	\$ 143,065	
	Perimeter Screen Fence	LF	1160	\$ 22.00	\$ 25,520	\$ 31,831	8' HIGH WOOD SECURITY (MEANS)
	Landscape Screening	LS	1	\$ 25,000.00	\$ 25,000	\$ 31,183	
	Existing Road Realignment/Widening	LS	1	\$ 35,000.00	\$ 35,000	\$ 43,656	24' WIDTH ASPHALT (MEANS)
	Data/Communications Upgrades @ Maintenance Area	LS	1	\$ 15,000.00	\$ 15,000	\$ 18,710	BUDGET NUMBER
Sub-Total Priority Project 1-6					\$3,992,128		
Contingency (10%)						\$399,213	
Subtotal					\$4,391,341		
Construction Contingency (5%)						\$219,600	
Fees (8%)						\$368,900	
TOTAL					\$4,979,841	\$4,979,381	

Priority Projects

Kirkwood Park and Recreation Master Plan

Final

Project #	Item	Unit	Qty	Unit Price	Total Cost	Total Cost w/Contingency	Comments
7	GRANTS TRAIL EXTENSION						
	Land Acquisition	AC	4.5	\$ -	\$ -	\$ -	ASSUMED TO BE DONATED
	Trail Construction	LF	3500	\$ 30.00	\$ 105,000	\$ 130,967	
	Railroad Crossings	EA	2	\$ 50,000.00	\$ 100,000	\$ 124,730	SIGNALIZED PEDESTRIAN GUARDS
	Trailhead/Park Development	AC	3	\$ 25,000.00	\$ 75,000	\$ 93,548	LEFFINGWELL TRAILHEAD/PARK DEVELOPMENT
	Signage (1 Sign per 1300 lf)	EA	2	\$ 150.00	\$ 300	\$ 374	24' X 24' W/ METAL POST - MEANS
8	Median Treatment (Landscape Renovation Only)	LS	1	\$ 45,000.00	\$ 45,000	\$ 56,129	24' X 24' W/ METAL POST - MEANS
	6 WELCOME FEATURE						
	Directional Signage	LS	1	\$ 6,000.00	\$ 6,000	\$ 7,484	
9	EMMENEGGER PARK						
	11 IMPROVED ACCESSIBLE TRAILHEAD						
	Parking Lot Paving	SY	560	\$ 40.00	\$ 22,400	\$ 27,940	
	Wayfind/Directional Signage	EA	2	\$ 1,500.00	\$ 3,000	\$ 3,742	
	14 RENOVATED COMFORT STATION						
	Aesthetic Improvements	LS	1	\$ 26,000.00	\$ 26,000	\$ 32,430	INCLUDES NEW ROOF, STONE VENEER WALLS, PAINT
	Signage	LS	1	\$ 1,000.00	\$ 1,000	\$ 1,247	
	Accessible Pathway	LF	160	\$ 30.00	\$ 4,800	\$ 5,987	12' WIDTH
	2 EXISTING OPEN FIELD						
	New Trail Extension to Open Field	LF	700	\$ 30.00	\$ 21,000	\$ 26,193	ASPHALT TRAIL EXTENSION
	3 NEW RIVERFRONT TRAIL	LF	3500	\$ 30.00	\$ 105,000	\$ 130,967	
10	GREENTREE PARK						
	5 WETLAND DEMONSTRATION INTERPRETATION AREA						
	Interpretive Pavilion w/ Comfort Station	LS	1	\$ 130,000.00	\$ 130,000	\$ 162,149	
	6 SHORT/TALL PRAIRIE	AC	7.3	\$ 2,000.00	\$ 14,600	\$ 18,211	
11	MERAMEC HIGHLANDS QUARRY AT DEE KOESTERING PARK						
	12 UTILITY INFRASTRUCTURE IMPROVEMENTS						
	Water Line tap w/ Freeze-Proof Drinking Fountain	LS	1	\$ 9,000.00	\$ 9,000	\$ 11,226	TAP (LIVE TAP, SLEEVE, GATE VALVE)=\$6000; FOUNTAIN=\$3000
12	MERAMEC HIGHLANDS QUARRY AT DEE KOESTERING PARK						
	6 SHELTER/OUTDOOR CLASSROOM						
	Composting Toilet/Portable Restroom Structure	LS	1	\$ 35,000.00	\$ 35,000	\$ 43,656	CTX TIOGA SPECIAL W CHASE AREA
	Outdoor Classroom	LS	1	\$ 85,000.00	\$ 85,000	\$ 106,021	BUDGET NUMBER
Sub-Total Priority Project 7-12					\$788,100		
Contingency (10%)					\$78,810		
					Subtotal	\$866,910	
Construction Contingency (5%)						\$43,300	
Fees (8%)						\$72,800	
TOTAL					\$983,010	\$982,997	

The Parsons Planning Team wishes to thank all those who participated during the Stakeholder Interviews and Public Meetings.

*The Parsons Planning Team
Dan Bockert
Andrew Franke*

Appendix E

ACKNOWLEDGEMENTS

The Parsons Planning Team gratefully acknowledges and thanks the following individuals for their participation and support during the preparation of the Parks and Recreation Master Plan.

The Parks and Recreation Master Plan Working Committee

Gerry Biedenstein, Park Board Member
Linda Fenton, Park Board Member
Steve Hunsicker, Past Park Board Member, and current Citizen-at-Large
Betsy Wendell, Park Board Member
Curt Carron, Park Superintendent
Dan Niebaum, City Planner
Murray Pounds, Parks & Recreation Director

The Kirkwood Park Board

Dave Mulcahy, President
Linda Fenton, Vice President
Gerry Biedenstein, Treasurer
Rich Etzkorn
Katie Burckhalter
Jerry Grunzinger
Nick Ohlman
Boyd Wietecter
Robert Sears
Betsy Wendell

The Kirkwood City Council

The Honorable Mike Swoboda, Mayor
Thomas J. Noonan, Council Member, Deputy Mayor
Arthur J. McDonnell, Council Member
Michael H.T. Lynch, Council Member
Joseph E. Godi, Council Member
Connie Karr, Council Member
Timothy E. Griffin, Council Member

Others

Kathy Paulsen, Keep Kirkwood Green
Gwyn Wahlmann, Keep Kirkwood Green

Appendix F

PUBLIC INPUT SUMMARIES

PUBLIC INPUT EVENTS

<u>Event</u>	<u>Date</u>
Stakeholder Interviews	February 5-6, 2004
Public Workshop #1	March 16, 2004
Public Workshop #2	May 18, 2004
City Council & Park Board Presentation	November 22, 2004
Public Presentation	January 25, 2005

A major component of the planning and consensus building process was public involvement and input. Three different venues were utilized during the master planning process. These included Stakeholder Interviews, Public Workshop #1 and Public Workshop #2. The final Master Plan was also presented to a joint meeting of the City Council and Park Board, which the public was invited to attend. A final presentation of the Master Plan will be presented to the public on January 25, 2005. This Appendix includes summaries from the first three events.

Comments received after Public Workshop #2, through and including January 10, 2005 were reviewed and considered by the Working Committee and incorporated into the final plan where deemed appropriate.

Kirkwood Parks and Recreation Master Plan Stakeholder Interview Generalized Summary

February 17, 2004

What existing features within the Kirkwood Park System are positive elements?

- Diversity - "Something for everyone."
- Wide Range of Experiences
- Trees
- Community Center (Rink and Pool)
- Centrally Located Green Space

What existing features within the Kirkwood Park System are negative elements?

- Parking - conflicts with community - parking in neighborhood.
- Overuse of Kirkwood Park and it's amenities. Kirkwood Park is loved to death.
- Overall Park Maintenance.
- Walker Lake Maintenance.
- Poor public awareness of other parks in system.
- No parks in the Northwest part of Kirkwood.
- Concession stand availability in Kirkwood Park

The community wide survey indicated maintenance of existing parks was a top priority.

What specific maintenance items do you think should be addressed?

- Pavilion upgrading and improvements.
- Landscape maintenance and planting improvements.
 - Turf quality
 - Ornamental landscape plantings
- Lake maintenance improvements
 - Edge Treatment
 - Water Quality & Pollution
- Erosion problems.
- Tree maintenance.
- Restroom improvements.

Where should the City's effort for developing biking/walking trails be concentrated?

- Connect Emmenegger and Greentree Parks.
- Link to Meramec Greenway
- Sidewalks to small pocket parks.
- Expand Grant's Trail to Farmer's Market.
- Connecting all parks.
 1. Share the road bike trails.
 2. Kiosks for info or new stuff.
- Connection from Quarry Park to Greentree Park.
- Connect Powder Valley to Greentree Park and Emmenegger Park.
- Connection to Simpson Park.

Identify the top three parks within the Kirkwood Park system that you use and what improvements would you like to see made to them?

- Kirkwood Park
 1. Lake Edge improvements.
 2. Restroom improvements/upgrading.
 3. Maintenance area improvements.
 4. More maintenance of wooded areas.
 5. Pavilion improvements.

- Emmenegger Park
 1. Discourage other entrances and emphasize main entrance.
 2. Improve picnic tables.
 3. Develop a natural theme or wetland at entryway.
 4. Improve route to Emmenegger Park.
 5. Water/erosion management is needed.
 6. Looks neglected, improve appearance.
 7. Potable water.
 8. Leave Emmenegger Park alone-let it go wild.

- Quarry Park
 1. Structure to shelter people in inclement weather.
 2. Keep this park wild.
 3. Tell story of this park.

- Greentree Park

1. More development of natural area for passive activity.
2. Field potential at Greentree Park.
3. Playground.
4. Disk golf.
5. Paving of roads and parking lots.
6. Provide something in park to continue activity.

Where should the City's park acquisition strategies be focused?

- NW and NE sections of city need park space. Higher priority in higher density areas of the city
- Small pocket parks.
- Southwest corner of Meramec campus is almost like a park. Potential addition as urban arboretum.
- Long term lease of Lindeman Property.
- Median islands on Argonne by Farmer's Market.
- Linear Park within downtown.
- Practice restraint on acquisition.
- Share school spaces and facilities - this will expand availability.
- Expansion but not for intensive recreation activities.
- Complete analysis should be considered prior to purchase.
- Consider land conservation trust or easement - or make investments with conservation allowance.
- Fellowship Assembly of God - Old Sugar Creek, Pool.

Miscellaneous

- General policy - Obtain additional Greenspace at any and every opportunity - Review each opportunity on case by case basis.
- Concept - Kirkwood Park more social park and other parks make up open space needs.
- Kirkwood Park = jewel of system.
- Get what we have in a pristine condition.
- City streets are extensions of parks.
- Master Plan will define types of parks so people understand how to use them.
- Master Plan will define what parks are and will do for future citizens.
- Make entire system cohesive and cohesive with town.
- Make a point of making them consistent.
- Do not develop more parking at expense of open space!

**Public Workshop #1
Most Important Idea Summary**

Hits	Topic
17	Connections/trails
10	Acquire more land/more parks
6	Maintenance
5	Preservation of park/green/open space
4	Dog park

Compiled Responses:

1.	Preserve "wildness" – woods/open space/unpaved trails/creeks.
	Kirkwood needs an off lead dog park.
	Preserve natural, wild areas, trees.
	Connecting trails – Greentree to Emmenegger, Grant to Kirkwood Park.
	Connecting trails between parks e.g. Emmenegger and Greentree.
	Preserve green space, acquire parks for North City and Greenbriar areas.
	Perimeter walking trail in Kirkwood Park.
	Maintaining and updating current parks & facilities.
	Acquire strip on West Side of Fireman's Park and make Fireman's Park as a Bird Sanctuary.
	Update facilities.
	Master Plan for Kirkwood Park to rebuild buildings and amenities with good design.
	Par course in Kirkwood Park underutilized probably because the stations are falling apart. Some stations no longer have the exercise equipment. The arrows directing where to go on the course are missing. Some of the stations' signs are missing so potential users don't know how to use the stations.
	More hiking/biking trails, especially attaching Greentree Park with Emmenegger Park.
	Upgrading landscaping/buildings especially in Kirkwood Park.
	Planned connections of parks and trails and play areas so that there is less reliance on cars for accessing areas.
	Connect parks/green space/trails with a walk/bike network.
	Preserve green space.
	Dog Park in Greentree. The dogs run loose there anyway. To be paid for by users.
	Extend Depot Park to connect with station.
	Need more park space in NE Kirkwood and Greenbriar.
	Connect the new Grant's hiking/biking trail to the rest of Kirkwood.
	Acquire more parkland across city – Greenbriar, NE, NW, & pocket parks.
	Paths/bike paths between parks.
	More parks, especially in northeast, northwest and west of 270 in Greenbriar

	area.
	Off leash dog park.
	Grant trail extension.
2.	Tai chi in Kirkwood Park in mornings in warm weather.
	Kirkwood needs more doggy doo dispenser outlets with plenty of bags.
	Bike and walking trail intentionally designed to link the parks system.
	Expansion of parks areas to NE/NW/Greenbriar.
	Off lead park for dogs.
	Spruce up Kirkwood Park! Landscape looks tired.
	Master plan for Kirkwood Park.
	Make restrooms disabled accessible.
	Maintenance of existing parks.
	New biking/hiking trails and perimeter walkway around Kirkwood Park.
	Need to connect parks and schools with marked bike and hiking trails.
	More pocket parks – passive.
	Coordination of architectural elements in all parks.
	Enhancement of natural features of Kirkwood Parks.
	Connect downtown Kirkwood with our trail system.
	Interconnecting bike trail intra-kids and eventual connect with Grant's Trail.
	Improving community center to include use for adults such as exercise room/cardio room.
	Preserve wilderness.
	Any trails should use natural materials rather than asphalt.
	Keep the undeveloped walking trails versus paved trails.
	Add birding and natural feature identification to trail amenities.
	Better maintenance/earth-lawn-trash removal.
	Walker Lake maintenance, lawn care, litter control, restroom maintenance.
	Security camera – remote parking lots.
	Comprehensive bike/hike trail connecting parks and Grant trail.
3.	<u>Land acquisition.</u>
	Improve Walker Lake erosion to eliminate algae, etc....
	Improve rec center to offer up-to-date exercise facilities (losing residents to Des Peres instead).
	Provide additional maintenance/sanitation facilities for existing parks.
	More pocket parks.
	There is no excuse for poor maintenance of Kirkwood Park, staff issues? More turf and horticulture specialists (expand education of existing staff).
	Acquire more land for parks.
	Acquire park in Sugar Creek area and more pocket parks.
	Expand parks.
	Better landscaping, grass and upkeep of parks and Walker Lake.
	Improve landscape around Walker Lake.
	More security on parks i.e. call boxes for emergencies, more rangers, citizen volunteer patrol.

	Pocket/neighborhood parks.
	Establishing parks in areas of city that lack such recreational areas, acquire land.
	Identify areas of Kirkwood lacking child friendly play space and develop strategies to create such space whether school grounds, shared fallow land, purchases, etc.
	Security – Panic alarms, cameras for remote parking lots.
	Connecting trails between parks, Master Plan, including trail around Kirkwood Park.
	Tai Chi in Kirkwood Park.
	Present facilities need to be maintained.
	Connect Emmenegger to Greentree.
	Trail between Quarry and Greentree Parks, trail extension of Grant’s Trail.
	Acquisition of more parkland – at every opportunity – small and large.
	Connect parks with bike and walking trails and connect to Grant’s Trail.
	Connecting our parks with bike/walking trails.
	Designated parts of roads for bike/hike trails and benches and good bike stands.

Notes or Comments:

Natural.
Trash.
Landscaping.
Restrooms.
More benches.
Designated.
Bike Stands.
Trash bags at trailheads.
Please see attached letter with comments.
Kirkwood Park is not as great as city leaders like to brag about. It looks tired and run-down. Why can’t Walker Lake look like Des Peres lake?
Restrooms in Kirkwood Park are dumpy.
Get Park Employees out of trucks and on the ground(s)! Good for security.
Bring Quinette Cemetery & train station into Park system.
Don’t <u>overdo</u> ! (Private idea)
Fix and maintain and fund existing parks before seeking any new park land.
High interest on these issues from all tables. Hopefully our voices will be heard.
Great format for this meeting – continue to use this type of format in the future.
Work the Sunset Hills to complete sidewalks on Geyer Road, about 1 block long section that would bring the sidewalk to the road leading to Powder Valley.
Work with county and Crestwood to make a sidewalk on the south side of Big Bend between Lindbergh and Highway 44 to make the extended Grant’s trail accessible without need of a car.
Provide to P & Z specifications for width and construction specifications for

bikeways, walking paths with considerations for lighting and hours, handicap issues and specialty modes of transportation such as roller blading.
Lighting for hiking after sunset – night walks.
My problem with the RC area in Greentree is the following (I walk in this park and Simpson 4-5 times a week): 1. On average I see men relieving themselves about 8 times a year, usually when the Port-a-Potty is not there but sometimes not. 2. When they redo the track, the drain tiles are bulldozed into the brush. When it floods, this trash is taken downstream. The city should not be cleaning up this mess (I note a pile of drain tile pulled out), the RC club members should be... I hope this is cleaned up before the next flood. 3. The large rocks placed for parking are extremely difficult to walk on.
Demographics should be in the mix. Also funding needs to be addressed.
No more ball fields or facilities for organized sports. Need more passive areas in parks.
Dog parks are a poor idea. Too many residents already ignore our leash laws.
The meeting was well conducted. Many ideas were brought forth. I hope these issues will be incorporated into the plans.
Let's not duplicate other recreation (ours and neighboring communities) – i.e. rec. center. Let's not make our goal to "keep up with the Jones's."
I'm not sure how everyone's needs can be dovetailed into the Master Plan.
Do not overbuild and extravagantly fix restrooms, walkways or parking lots (i.e. – do not go for "Taj Mahal" effect.)
With constantly increasing residential density with new condos and apartments, we greatly <u>need more open green undeveloped space</u> in our parks.
We need to acquire and maintain more parkland. Once it's gone we can't get it back. Walker Lake is a mess! Can you see what Des Peres Park does to maintain their efforts? Acquiring park land and preserving our existing green space should be more important than building fancy new structures like the lodge. We do NOT need to try and upstage our neighboring communities.
A volunteer trail watch program would enhance safety and maintenance of the trails.
St. Louis County has a successful trail watch program.

Kirkwood Parks Master Plan
 Public Comments
 Public Workshop #2 May 18, 2004

Park Plan	Like	Dislike
<p>City-Wide Trail Plan</p>	<ul style="list-style-type: none"> • Sounds delightful – will it really happen! • Good start – must insure proper designation of bike paths. • Grant’s Trail connection to Kirkwood a plus. • A real trail connection to Farmer’s Market would be great (off road/parallel the tracks)! • Idea of a planned trail. • Very much like the idea of connecting bike trail with parks. • Connecting trails. • Connectivity. • Being expanded and connecting all of the parks. • The connection between all the schools, parks and other trails such as Grant’s Trail. • 20 miles. • Link parks. • What are trails made of? Not all should be asphalt, not all need to be 100% handicap accessible. • I hope the bike trail can be made very safe. • Connector to Grant’s Trail by Farmer’s Market. • Link from Quarry to Greentree Park – roadside easement expansion. 	<ul style="list-style-type: none"> • Need more bike baths. • In general I think trails are a waste of money – any one can walk or ride without the added expense of signage & bike lanes (which are usually ignored by autos). • Lack of detail about how trail will be marked – how protected from vehicular traffic, etc. Will it connect with bordering cities? Would like a defined, protected trail system. • Has increasing traffic on the streets been considered on the trail system? It may be fine now but could be hazardous in the future with increased development. • What about bike racks for parks on the trail that don’t allow bikes such as Koestering? • No provisions for mountain bike trails. • Trails must be marked clearly – most drivers drive over the white lines i.e. Adams Road. • Signs and street marking a must. • No off road trails in Kirkwood. • Safety hazards along heavy traffic areas (for bikers). • Use of park sales tax funds as source for expanding shoulders, funding should come from grants and 2-cent capital tax for sidewalk

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • The city wide trail plan I think would be a very useful asset to anyone who would like to explore the natural surroundings, or for anyone who would like to benefit in the opportunity of having alternative sources of transportation either by biking or walking. • I'm not sure about the bike/hike trail system throughout Kirkwood. It raises the question of whether expenditures for streets is actually appropriate to a parks budget. I always thought the defining feature for "parks" was "land." Parks budget should not be siphoned off to take care of Public Works responsibilities. 	<p>and street improvements.</p> <ul style="list-style-type: none"> • I also wonder what sort of "trail" would be suggested for Sugar Creek Valley and the Kirkwood Park perimeter. Numerous signs and/or large signs would detract from the landscape the trail would exist to appreciate. Also, extending shoulders might raise problems with property owners in Sugar Creek. And what are the physical features of a "trailhead?" A sign? A structure? Some things need to be explained in more detail. Something like a bus stop structure at Couch and Adams would be very undesirable.

Park Plan	Like	Dislike
Walker Park	<ul style="list-style-type: none"> • Use of proposed variety of plant materials – especially understory (?) perennial plantings. • Like game tables. • Benches are great! • Native wildflowers. • All ideas for this park are great. • Benches & openness of park. • Game tables. • See through fence around the park. • Paved play area. • Annual and perennial flowers. • Woodland area. • Make sure perimeter fence has a flat top and not spikes. • Looks like a great addition to Kirkwood. • The passive nature of park – good neighborhood park. • Fencing around perimeter. • Gazebo covered pavilion. • Drinking fountain. • Playground & safety surface. • Play area. • Nice fence idea. • I like the plan, but it seems a bit crowded and busy. • Additional trees and flowering perennials. • Game-tables – (Game table could be an ‘artsy’ sort of table, to place more emphasis 	<ul style="list-style-type: none"> • Proposed paved path entering the park from southeast corner is too close to root system of park’s best tree (pin-oak). • Switch pavilion and playground locations. • Fence with stone columns. • Need more entrances. • Need more benches by playground. • No annuals – all perennial bushes. • Need more breaks in fence. • No stone column please on fence. • No annuals – plant only perennials. • Move playground to NW corner out of sun. • More natural fence – not metal picket – it’s ugly. • More opening for exit and entrance of fence – increase access. • More ways/places to get into park. • No metal/stone – try natural wood fencing. • Can you switch the location of the pavilion and the play area? • Congested parking on street with heavy traffic in/out of the YMCA. • Too much stuff on small site – cluttered? Eliminate high maintenance ornamental fountain. • I dislike the idea of using concrete as a material for a walking path and rather see it in a more natural approach.

Park Plan	Like	Dislike
	<p>on arts in parks) but relocated to place it in pavilion gazebo (handicap accessible). Inside location will keep it cleaner.</p> <ul style="list-style-type: none"> • Drinking fountain. • I'm satisfied with the layout. 	
<p>Meramec Highlands Quarry at Dee Koestering Park</p>	<ul style="list-style-type: none"> • New signage – needs to explain history of park, very specifically. • Marshall Road Bike Route. • Marshall Road Trail connection idea. • I like trail connection to Greentree. • Like underdeveloped woods with small improvements. • New signage. • Overlook. • Rugged – not overused. • Fact that handicapped can drive down. • Bike link around park to Marshall Road. • Good idea of interpretative history displays in park(s). Like when did stone go from Quarry Park? • Good connection idea (to Powder Valley area). • I like the plans. • Marshall Road Bike route. • New trail – Feature #4. • Addition of shelter and restroom as refuge in bad weather. • Potential Marshall Road bypass trail. 	<ul style="list-style-type: none"> • Paths on Marshall Road would require significant protection from truck traffic. • Do not overbuild this park. It should stay natural. • Would like parking closer to middle of park. • Bike rack? • Interpretive area should include history. • Cannot ride bikes to the handicap parking lot – need to change that!!! • Not enough parking. • Where can you park a bike if you have ridden there? • Parking is too far away from shelter and prohibitive to use by older/handicap population. • Pavement under benches – Why not use wood chips? • The ban on dogs which are leashed and on the trail. • Lack of an emergency phone.

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • I'm pleased about the idea of incorporating more trails, bike routes, an outdoor classroom shelter. As with the new bridge/signage I would also like it to blend in with the natural surrounding like for example they could be comprised of natural stone. 	
<i>Emmenegger Park</i>	<ul style="list-style-type: none"> • Proposal signage. • Riverfront trail. • Water fountains. • Sand volleyball. • Connectors to other parks. • Heavy emphasis on new connectors over private property. • Nice layout. • Sand volleyball. • Horseshoes. • Pavilion. • Connecting trails/link parks. • New entrance/more attractive. • Fishing area – add flat boulders to shore/or dock. • Welcome feature at bridge. • Riverfront trail. • Like the idea of Powder Valley connection. • Space to incorporate an off leash dog park in area labeled “13”. • Parking available already. • Link to Greentree. 	<ul style="list-style-type: none"> • Playground – don't need it. • Limiting circular drive around '15' prime area will make it inaccessible. • Is it possible to connect to Fenton Park system (bridge)? • Keep loop road by old pool – has plenty of pedestrian walkways in park. • I think small parking area at service entrance is desirable so people can enter at more than one point by cars – it's far enough away from most residents that they will drive there. • “The existing open field” remains static – could we develop this site into an off leash recreational area for dogs? The location is isolated, open, and has amply parking and facilities for a dog park. • No mountain bike trails planned. • Spot 2 not being used as dog park. • No restroom facilities at far end of trail if maybe at 2A location. • When removing part of loop road, access for handicapped might be limited? • If you put pavement features to discourage

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • River front paths. • Good improvements. • Great place. • Like taking out Circle Drive. • New bike trail. • New signs at #6. • New beachfront recreation area and trail along river. • I like making it more clear as to where visitors should park – not along the roadways. • Trail cost estimates should include cost of Park Personnel needed to police back trails. • I question easy access to Emmenegger trails by Hwy/roads. Seems more efficient to bring everyone into park at one place. • These plans should make this park much more attractive and usable. • New riverfront trail - #3 feature. • Bike trail link to main entrance – feature #9 – an improvement to the raw shoulder. • Perimeter trail – feature #12 – make sure it is accessible and friendly to wheelchairs and other wheeled devices. • New picnic tables. • Preservation of greenspace in the park. No additional paving or asphaltting of remote trails. • I'm satisfied with the plans as well as the 	<p>bike traffic, be sure it does not limit handicapped devices.</p> <ul style="list-style-type: none"> • Improved trailhead feature #5 unnecessary and welcome feature #6 unnecessary. • Do not pave service entrance – as this is a fossil site – feature #6. • A potential urbanization of the park (in old pool area) by adding too many structures or functions which are non-harmonious to the natural area, keep the park balanced in its natural state. • Location of a “dog park” in Emmenegger Park. This suggestion just plain shocked me. Emmenegger should not become a new dumping ground for noisy and intrusive park amenities not wanted elsewhere. If such amenities are truly justified, we should continue with the Greentree Park precedent for location or better yet, buy new land, NOT demote Emmenegger Park. Emmenegger has been a fairly pristine nature park – a refuge for birds and wildlife displaced by local development. Introduction of continuous frenzied barking and smell of dogs would be very stressful to wildlife, not to mention an unpleasant entrance for the park’s human visitors. If anything, I would think that the dog ban at Quarry Park would be appropriately extended to Emmenegger. The extreme

Park Plan	Like	Dislike
	<p>layout as with the playgrounds/pavilions. That's fine as long as the aesthetics and nature are involved in the process.</p> <ul style="list-style-type: none"> • Preservation of woodlands and natural space in Emmenegger Park. • Non-intrusive and low-key updates – minimum of signs, unobtrusive trail markers. • Tasteful, low-key and non-intrusive policy for development along river trail in Emmenegger Park. • Extension of stone-and-timber retro “state parks” look to any arch/eng features. • One entrance only to Emmenegger Park. Very relieved to find out that “improve secondary entrances” to include vehicle and bike parking was a mistake by Parsons and not actually a Park Board/Parks Department objective. 	<p>discrepancy in policy between Quarry Park and Emmenegger would be unjustified and indefensible.</p>

Park Plan	Like	Dislike
Kirkwood Park	<ul style="list-style-type: none"> • Removing ball fields. • Limestone rocks by Walker Lake. • New tennis building w/ changing areas. • Enhancement of Scout Shelter and restroom nearby. • Moving field #6 to Greentree Park. • Solve erosion problems! • Idea of improving the tennis building possibly include restrooms, changing rooms, meeting room, computer for reserving courts. • Benches, additional/shaded ones. • Courts are great, keep an eye on low spots & collecting water. • What a great community attraction (tennis courts!) • Tennis building improvements is a must. • The building (tennis) is in sad shape and needs a lot of work. It may even need to be replaced with a new facility. • Need locker rooms for patrons. • Like the idea of having handball near the court. • The courts are a vital part of the park and need to be kept up for years to come. • Like moving courts and firing range. • Pedestrian link from Community Center to bridge across lot. • Landscape fake stream. • Large stones/boulders around lake. 	<ul style="list-style-type: none"> • Don't move handball courts please. • Don't mess with playground area. • Removal of pistol range, horseshoes, shuffleboards. • Don't close Rifle Range Road. • Consider not closing back road – limited access will limit use. • I like Rifle Range road/don't get rid of it – I enjoy taking a scenic shortcut through the park. • Need more parking (for overflow) on busy days. • No fences on Field #5. • Plastic tie walls falling down. • Keep Lion's Pavilion/improve it. • Leave playground as is. • Rifle range road should be used only for footpath – as of now too many cars use it to bypass intersection of Geyer Road and Addams Road. • No mention of mulch area will still be available for mulch? • No mention of repairing par-course exercise stations. • Closing Monroe – this street is sometimes taken to add serenity and beautiful scenery to one's day. At other times, it is a cut-through when trains block Geyer. Have any traffic studies been done to see if traffic flow will be

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • Relocation of fields (softball) and handball. • Central hub. • Landscaping by pool area. • Island improvement. • Move fields to Greentree. • Flat stones around Walkers Lake and softening concrete ditch which goes into lake. • Unified brick and stone architectural theme for buildings. • Relocation of rifle range to make western part of park more natural. • Like the plan. • Like the idea of a more pedestrian pathway through rather than roads. • Closing off road and eventually getting rid of rifle range. • Central concession comfort station expansion. • Removal of ball diamonds. • Use fields alternating to preserve grass. • Improved restrooms. • The elimination of two softball fields. • Improvements to the playgrounds surfacing. • Improving the restrooms!!!! • Getting rid of the pistol/rifle/shooting range and other old buildings. • Improve Walker Lake. 	<p>impeded by closing this street?</p> <ul style="list-style-type: none"> • Are there any provisions for adding parking and ? vehicular. • Walker Lake plan (stones, ledges, steps) and landscaping sounds good, but shame on parks crew for shabby conditions now. What qualifies them to install and maintain more expensive design? • Memorial trees, benches, gardens in Park seem ignored now, now will "improved" plan be maintained? • Two-story comfort station/ranger station – cold be too much hard surface and mass. • Demolition of scout (?) bathroom – can't it be renovated internally? • Neighborhood gateway #12 feature – playground, pavilion, trailhead, features unnecessary expenses. • Trailhead – feature #6 – Sugar Creek Valley Parkway trail – seems unnecessary. • Overuse of signage which becomes clutter. Use aesthetic stone/wood look – discrete and low cost. • Exercise stations – a past trend? Seems unnecessary to rebuild – determine usage. • The lawn areas between the Couch water tower and woods seem a continuous waste of time/expense to mow. So too the area between the water tower and Couch Avenue.

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • Improve water quality. • Improve pavilion restrooms for handicapped accessibility. • Amphitheatre improved accessibility. • Lions BBQ plan is very questionable as presented. This is a high use area. Next step should show specific design. • I like all the suggestions – these things will make a much more attractive park. • Good to move the ball fields. • Especially good plans to improve Walker Lake – do that first. • West Valley – feature #11 – wide trail must be handicap friendly and accessible, enhanced planting. • Designation as natural area (suggest ‘name’ it Sugar Creek Woodlands) to promote perception of its value as open space. • Relocated handball courts. • Relocated athletic fields. • Improved bathrooms and additional shelters. • Perimeter walking trail. • Walker Lake improvements. • Shelter 4E with comfort station. • Rebuild maintenance building at present site. • I would like to see the Walker Lake improvements. • Preservation of natural-surfaced trails and watersheds in Kirkwood Park, and sensitive 	<p>Lawns are worthless to birds, insects and wildlife. These areas have ideal potential as tall grass/short grass prairie, naturalized as a “butterfly meadow” or returned to the woods. Or maybe a combination of these features. Perhaps the local prairie restoration organization, Ecology Department at Meramec and /or Missouri Conservation Department could advise a citizen group or the parks department on such projects (I would be very interested in involvement!).</p> <ul style="list-style-type: none"> • Playground at southwest Couch Avenue corner of Kirkwood Park. Does not seem needed and is out of keeping with the nature preserve idea for the western half of the park. And if the idea is for kids to get more exercise, wouldn’t it make more sense for kids to walk, bike, skip, run to the existing central playground location? I would much prefer to see prairie restoration or a butterfly meadow at this location. Maybe kids could help with the project. • Two story concession stand. Is it possible for a ranger station to be located in the new maintenance facility? Adding structural height in the middle of the park is like urbanizing the park. Kirkwood already has enough urbanization going on. • Widening/realigning roadway by maintenance facility. I’ve often admired how this roadway

Park Plan	Like	Dislike
	<p data-bbox="537 282 1167 418">maintenance of the woodland environment (inc. preserving the wonderful vines and wild wilderness of the Girl Scout Bird Sanctuary Trail).</p> <ul data-bbox="491 431 1178 1338" style="list-style-type: none"> <li data-bbox="491 431 1178 568">• Rustic “state park” style design for new and renovated architecture in the parks, modeled after the stone and timber Lion’s pavilion and scout shelter in Kirkwood Park. <li data-bbox="491 581 1178 792">• “State park” style design for signage in the parks. Should be cheap, simple and rustic – a charmingly humble, unpretentious “retro” look complimenting the old-fashioned authenticity of the stone-and-timber architecture and natural surroundings. <li data-bbox="491 805 1178 1049">• Preservation of western half of Kirkwood Park as a designated greenspace. A name or title defining the western half of the park might create an official status that could be helpful in insuring long-term preservation (rather than possible future perception that it is nothing more than ‘under-used space.’) <li data-bbox="491 1062 1178 1198">• Hopefully any future plantings in this area of the park will be of native botanical species only. I understand the MO Conservation Department gives away free native plants! <li data-bbox="491 1211 1178 1308">• Reduction of number and use of ball fields in Kirkwood Park, shifting field use to Greentree Park. <li data-bbox="491 1321 1178 1338">• Removal of club service buildings throughout 	<p data-bbox="1251 282 1881 347">gracefully follows the contour of the land and serves its purpose discreetly.</p>

Park Plan	Like	Dislike
	<p>Kirkwood Park.</p> <ul style="list-style-type: none"> • Avoidance of current national trends in privatization and corporate naming rights. • Rebuilding parks maintenance facility at its current site in Kirkwood Park and relocation of rifle range to this facility. • Suggestion of moving lesser-used maintenance facility needs off-site to avoid overuse of parkland for maintenance storage. • Landscape improvements around Walker Lake (But I hope to see cautious consideration of ecology of Sugar Creek with future plans for landscaping and maintaining Walker Lake. Introduced rocks during landscaping could wash down and cover up the creek's natural treasures of fossils. Copper algae treatments already turned the creek water opaque turquoise and have questionable effects, salt from winter maintenance of community center parking lots have imbalanced creek microbiology, etc. Not sure this is a master plan issue, but creek preservation is something to be considered when implementing master plan projects.) • (Maybe) Closing off the Rifle Range Road to thru traffic. However I'm still sort of at the "be-careful-what-you-ask-for" stage. I use 	

Park Plan	Like	Dislike
	this cut-through almost daily and would miss it. Still, it is probably a good idea, if the park is being overused and abused. And it is far preferable to paving existing woodland trails for bike/hike use.	

Park Plan	Like	Dislike
Greentree Park	<ul style="list-style-type: none"> • Bike Trail! • Relocation of softball/baseball fields from Park. • Preserve wetland areas, please. • Interpretive ? • New comfort station. • Good plan. • Linking trails. • New athletic fields. • Pavilions. • New parking by KAA. • New fields. • Preserve wetlands. • Tall grass and short grass prairie. • Wetland area. • Trails all area especially along river. • Additional athletic fields. • New bike trail. • Improved restrooms. • Addition (moving) of two fields from Kirkwood Park to Greentree. • Trail along river. • Good to keep flood plain natural and ballparks. • I like the proposed trails and parking lots. • Wetland area. • Relocated athletic fields. • Upgraded comfort station feature #16. 	<ul style="list-style-type: none"> • How about a fishing dock – Plan to address it when it floats? • Would like fishing dock extending/or flooding into river. • Why enhancements in flood plain? Buildings so close to the River seems like a waste. • No mountain bike trails planned!! • 1A – could this trail be a mountain bike trail? • Need to control parking – more spaces. • Are we overdeveloping this park which is in a flood plain? Are we exposing our park district to extensive clean-up efforts (& costs) every spring? • This is a very intensive design for a flood plain. • Placement of pavilion – feature #13 along river – in flood area, problematic. • Playground – feature #14C – problematic in flood area. • Pavilion – interpretive feature #18, problematic in flood area. Use existing pavilion feature #14 for all purposes. • Overuse of signage which clutters landscape, please exert caution.

Park Plan	Like	Dislike
	<ul style="list-style-type: none"> • Location of “active use” features (as ex. athletic fields) in the flood plain. • Prairie tall/short under the lines. • I like the idea of incorporating new trails as well as the future trail connection. I would like to see the link to Emmenegger Park. • Tasteful, low-key and non-intrusive policy for development along river trail. • Use of this isolated park for activities that would be undesirable in parks situated near residential areas or parks with greenspace significance (that is sports fields, “dog park,” etc.) • Wetlands preservation area. 	
<p><i>Preliminary Program List</i></p>	<ul style="list-style-type: none"> • Improve community center • Lease of Lindeman • South Geyer Road sidewalk. • Improved restrooms throughout!! • Better playgrounds and surfacing!! • Improve/upgrade the Community Center. • Improve signage system wide. • I like all the trail connections. • Additional park land/open space. • Preserve open space/land. • Create park near Osage School. • New neighborhood park in Greenbrier. • Additional mini parks in NE Kirkwood. • Extension of Grant’s Trail to Kirkwood from 	<ul style="list-style-type: none"> • Need dog park – how about Emmenegger Park – where old pool was located? • No park in Sugar Creek. • Linear park in Downtown. • Dog park near Osage School. • Preserve open space/land. • Additional miniparks in NE Kirkwood. • No criteria, no approach, no list of parkland, green space available. • Linear Park with Downtown – our “public easements and boulevards” should be attractively landscaped, but should not become park board’s responsibility or seek use of park sales tax funds by calling them ‘linear parks.’

Park Plan	Like	Dislike
	<p>market.</p> <ul style="list-style-type: none"> • Use for Meramec Campus as arboretum. • Addition of Park and to Fireman’s Park. • (Possibly – depends on use) lease of Lindeman as Open Space. • Bikeway along Marshall Road. • Use of Meramec Campus as Local Arboretum. • Parks programs or encouragement of school/scout projects of education about natural woodland flora and fauna, creek biology, local geological features, fossil paleontology, etc. Perhaps these could be in future partnership with the school district’s Lindeman site or the ecology department at Meramec CC. • Additional Park Land/Open Space. Land acquisition ranked nearly highest priority on the parks survey. I do believe when people ranked “maintenance” highest priority, they meant general routine maintenance of parks, not expensive and intrusive “improvements.” I’m concerned that the list of master plan projects could “nickel-and-dime” the parks budget to death, leaving too little money for the highly ranked public interest in land acquisition. Dilemmas such as finding an appropriate location for a dog park or other features would seem to indicate we still have 	<ul style="list-style-type: none"> • Suggestion of more lakes and ponds. Walker Lake demands our attention and we don’t need another one that is a maintenance headache. • Dog park – weary of maintenance issues and liability. • Excessive signage. I’m concerned by what could be excessive signage for both parks and trail systems, especially parks and park areas intended as nature preserves. Part of the beauty of a woodland area is the ambience of a secret refuge and temporary escape from civilization. Signage detracts from the experience. Let’s leave excessive signage to Manchester Road, not our parks and trails.

Park Plan	Like	Dislike
	a park land shortage.	
Other Parks	<ul style="list-style-type: none"> • Downtown Greenway Concept. • Meacham Park – need better policing to prevent vandalism. • New consistent signage – through all parks – with uniform colors? And littering type. • Additional parkland at Fireman’s Park. • Quarry Park – tasteful, low-key, non-intrusive development policies – minimum of signs, unobtrusive trail markers. 	<ul style="list-style-type: none"> • Need park space in North Kirkwood. • Need heavy-duty bike racks all parks. • New signage for Meacham Park – What’s wrong with the new signage? • Overuse of signage (at high prices, especially) at parks?

Comments:	<ul style="list-style-type: none"> • Encourage the involvement of the Kirkwood Historical Society to interpret the Historical sites within the park system (i.e. the history of the Quarry in Koestering Park).
	<ul style="list-style-type: none"> • Involve the “KART” Arts organization in future Park improvement projects to incorporate public art in the parks.
	<ul style="list-style-type: none"> • Promote the use of natural systems to manage natural features in the parks (i.e. water quality in Walker Lake) and interpret the natural systems for public education.
	<ul style="list-style-type: none"> • Need picnic table area (Walker Park) – 16/15 interesting trash receptacles – a piece of art – no restrooms
	<ul style="list-style-type: none"> • Leave Walker Park very passive.
	<ul style="list-style-type: none"> • Exercise Course
	<ul style="list-style-type: none"> • Outreach – experimental gardens, bird habitat, education, migratory birds.
	<ul style="list-style-type: none"> • Reforest.
	<ul style="list-style-type: none"> • Link to community.
	<ul style="list-style-type: none"> • Move handball.
	<ul style="list-style-type: none"> • Concrete swale improvements.
	<ul style="list-style-type: none"> • Turn around on east side of low water bridge.
	<ul style="list-style-type: none"> • Drive through park.

	<ul style="list-style-type: none"> • Fees for tennis.
	<ul style="list-style-type: none"> • Mountain bike trail at Greentree.
	<ul style="list-style-type: none"> • Picnic tables and more benches around the woodland area or other various areas in the park.
	<ul style="list-style-type: none"> • Don't lock restrooms in the winter months. We use the parks year round.
	<ul style="list-style-type: none"> • All parks need bike stands so bikes don't get locked to trees or benches. Also prevents theft.
	<ul style="list-style-type: none"> • Resolve question of upkeep of bike paths which overlap streets (Painted lines good).
	<ul style="list-style-type: none"> • Projected cost?
	<ul style="list-style-type: none"> • Agree with comments re informing visitors of history of the areas which are our parks.
	<ul style="list-style-type: none"> • Public art – work with Meramec and Laumeier and sculptors (Brother Mel, etc.) to borrow & display art.
	<ul style="list-style-type: none"> • Kirkwood Park – if roads closed, place limited parking at edge of park i.e. Addams and Rifle Range Road.
	<ul style="list-style-type: none"> • Establish criteria for park board actions – example: what does a group or individual have to do at a park to get a formal recognition.
	<ul style="list-style-type: none"> • Develop standard procedures for future park boards to follow.
	<ul style="list-style-type: none"> • Identify & attempt to acquire one to three lots of property to act as a resting area for bikers and walkers on designated trails.
	<ul style="list-style-type: none"> • Priorities for implementation of projects and estimated cost.
	<ul style="list-style-type: none"> • Parks trail system should reflect history of Kirkwood – like Quarry Park (store for World's Fair), Greentree (Meramec River as water source), source of Sugar Creek, etc.
	<ul style="list-style-type: none"> • Don't asphalt every trail. I'm handicapped and I don't resent not being able to climb every hill in a park. It's part of life.
	<ul style="list-style-type: none"> • Make sure parks open at the designated times they say.
	<ul style="list-style-type: none"> • Create more environment education areas (schools can use).
	<ul style="list-style-type: none"> • Natural areas, wetland is good.
	<ul style="list-style-type: none"> • Prairie good.
	<ul style="list-style-type: none"> • Native flowers and plants, butterfly gardens.
	<ul style="list-style-type: none"> • Create a friendly use of the Meramec.
	<ul style="list-style-type: none"> • Area for kayaks, canoes, encouraging floating from Castlewood to Kirkwood.

	<ul style="list-style-type: none"> Educate people re: Walker Lake ex: Why certain things occur that make people think it's polluted – post water quality monitoring information.
	<ul style="list-style-type: none"> Evaluate the “no dogs” policy in Quarry Park.
	<ul style="list-style-type: none"> Have environmental/nature programs in the parks – ex. night sounds in Emmenegger.
	<ul style="list-style-type: none"> It would be great to have public art-sculptures, etc., particularly in Kirkwood Park.
	<ul style="list-style-type: none"> The idea of putting some history in formation (?) in each park is a good one.
	<ul style="list-style-type: none"> These comment sheets are great and comprehensive – thank you!
	<ul style="list-style-type: none"> I did find the ‘program list’ for the parks had some discrepancies with the maps/drawings, the drawings had more features, were difficult to decipher.
	<ul style="list-style-type: none"> The Master Plan calls for a significant increase in structure (pavilions and restrooms). These should be prioritized and constructed over a period of time – according to identifiable needs. Avoid the ‘build it and they will come’ syndrome. Greentree Park has too many high-maintenance (due to flood) shelters on the river - flood plain.
	<ul style="list-style-type: none"> Consider possibility of planting wetland trees and shrubs in loop at old pool location, this could be a good area for birds, due to water source of the River. Another idea – would be to plant a big butterfly meadow/garden in the center. (Butterflies like to locate near sun, rock and water)
	<ul style="list-style-type: none"> Make certain shelters, bathrooms, and public use areas are wheelchair friendly and accessible. The grade around the lake (near the handball court) presents a problem for some folks.
	<ul style="list-style-type: none"> Keep signage to a minimum and use the rustic ‘state park’ style, with stone and timber themes.
	<ul style="list-style-type: none"> I like your recognition that parks are for public use and should not be free land for organizations or a depository for storage facilities!
	<ul style="list-style-type: none"> Adding rock to Lake’s channel source seems like a make-work project. Why not plant along the edge for enhancement that won’t become an attractive nuisance or nightmare for maintenance (kids re-arranging the rocks?).
	<ul style="list-style-type: none"> Perhaps try a temporary closure of Rifle Range Road as a trial to see how it works, before going to lots of expense with a parking lot.
	<ul style="list-style-type: none"> We compliment you (The Park Board Committee and the Consultants) on the excellent job to date.
	<ul style="list-style-type: none"> The first Public Workshop with the Focus Groups allowed all interested citizens to provide input on items they believed would be desirable in the Park system, as they (it) exists today and for future

	<p>improvement plan. The second session reported back and the suggestions from session one were incorporated. The adoption of the final plan by the Park Board and the City Council will assure us that Kirkwood will continue to be a great place to live.</p>
	<ul style="list-style-type: none"> • In addition, I would like to see future acquisition for more green space/open space in the community as it becomes available, because that is what our town stands for since we are the Greentree City and should stay that way. It is an asset to our quality of life.
	<ul style="list-style-type: none"> • Additional Picnic Pavilions in Kirkwood Park? Feel cautious about structural impositions and unnecessary expenses.
	<ul style="list-style-type: none"> • Where are the 13E “New Trailheads”? They do not appear on the map. What is a ‘trailhead?’ Needs more explanation.
	<ul style="list-style-type: none"> • What is meant by “Expand Kirkwood Park Trail?” Unclear. Which trail is this? What is meant by expansion?
	<ul style="list-style-type: none"> • I would like to see an ongoing program developed and directed to Kirkwood residents encouraging property donation to the parks system. A running ad in Eye on Kirkwood might be a good idea – as in, donate your property to our parks and Kirkwood would name the park after you. I’m thinking particularly of the NE Kirkwood area where a pocket park is needed and open land is scarce. Property in Sugar Creek Valley would make a great parks addition as a nature sanctuary. Or maybe a dog lover would like to donate a dog park?
	<ul style="list-style-type: none"> • All in all, I think this is a good parks master plan. Having attended some of the master plan work sessions, I was not happy with many of the Parsons’ suggestions. However, I appreciate Park Board/Parks Department overriding application of subtlety and restraint. A conservative approach is appropriate to park survey priorities of greenspace preservation and use of park funds for maintenance and land acquisition. So far, it seems the Park Board/Parks Department have conscientiously stuck to the parks survey, and I appreciate it
	<ul style="list-style-type: none"> • I saw an article about input for a Master Plan for Kirkwood Parks. I would just like to make a suggestion - think about a dog park! I see lots of people walking their dogs. We own a large dog and I would love to see him be able to be inside an area and able to run free if just for a little while. We have lots of green space in Kirkwood - let's devote just a small parcel to our 4 legged friends!!! We have been Kirkwood residents for over 30 years and have enjoyed the many parks & recreation the city has to offer.

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| | <ul style="list-style-type: none">• Grant's Trail needs help to be completed north to Kirkwood. Operate a street car along the trail from station plaza to Big Bend.• Initial route – Madison (in plaza) eastward, New bridge over Filmore, Grant's Trail to BNSF mainline – new bridge over BNSF, higher deck on existing UP I-44 bridge, park'n ride lot at Holmes near Big Bend.• Future phase route – Big Bend to behind Crestwood Plaza – new viaduct, Grant's Trail to Crestwood Plaza. |
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