

City of Whitewater
Parks and Recreation Board Agenda
Monday, June 20, 2011 - 4:00pm
Cravath Lakefront Room - 2nd Floor, City Municipal Building
312 W. Whitewater St. Whitewater, WI 53190

Call to Order and Roll Call and Board Introductions

Consent Agenda:

CA-A	Approval of Parks and Recreation Board minutes of May 2, 2011 & June 6, 2011
CA-B	Receipt and acknowledgement of Urban Forestry Commission minutes of April 19, 2011
CA-C	Approval of request by "Community Cat" to be included as a Partner Organization in the Facility Rental & Reservation Policy

Hearing of Citizen Comments:

No formal action will be taken during this meeting, although issues raised may become part of a future agenda. Participants are allotted a 3 minute speaking period. Specific items listed on the agenda may not be discussed at this time; however, citizens are invited to speak to those issues as designated in the agenda.

Staff Reports:

Parks & Recreation Director	Youth Baseball & Softball; Treyton's Field of Dreams Update + Family Fun Day
Recreation & Community Events Programmer	Summer Programming & Staff Kick-off Event
Senior Coordinator	American Heart Association Trainer Certification

Considerations:

C-1	Review and discussion related to Whitewater Effigy Mounds Restoration and presentation by Tom Jennings of Jennings & Associates
C-2	Appointment of Parks and Recreation Board member to the Plan Commission
C-3	Discussion and possible action related to the closure of Brewery Hill Park during North Street Construction
C-4	Approval of Lake Protection Plan for Cravath and Trippe Lakes
C-5	Review and discuss survey results
C-6	Discussion and possible action related to screening of Cravath Lakefront electrical boxes
C-7	Request for future agenda items
C-8	Adjourn

City of Whitewater
Parks and Recreation Board Agenda
Monday, May 2, 2011 - 4:00pm
Starin Park Community Building
504 W Starin Road. Whitewater, WI 53190

Call to Order and Roll Call and Board Introductions

Vance Dalzin, Rick Daniels, Prudence Negley, Brandon Knedler, Ken Kidd and Kim Gosh. Absent: Javonni Butler and Jen Kaina (excused).

Staff: Matt Amundson, Michelle Dujardin, Deb Weberpal, and Rashelle Keener, P/R Intern, Chuck Nass

Guests: Richard Helmick, Ben Cooper, Tom Grosinske, Tiuu Gray-Fow, Sue Savignac

Election of Parks and Recreation Board Chairperson

Dalzin nominated Brandon Knedler as Parks and Recreation Board Chairperson, Negley seconded the nomination. Knedler accepted. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Nomination passed.

Election of Parks and Recreation Board Vice-Chairperson

Negley nominated Rick Daniels as Parks and Recreation Board Vice-Chairperson, Knedler seconded the nomination. Daniels accepted. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Nomination passed.

Appointment of Parks and Recreation Board Members to the following commissions and boards

- Plan & Architectural Review Commission: Brendon Knedler
- Urban Forestry Commission: Prudence Negley
- Whitewater Aquatic Center Board: Vance Dalzin

Kidd made the motion to accept appointment of Brendon Knedler to the Plan & Architectural Review Commission, Prudence Negley to the Urban Forestry Commission and Vance Dalzin to the Whitewater Aquatic Center Board. Daniels seconded the motion. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Appointments passed.

Consent Agenda

Approval of Parks and Recreation Board minutes of April 4, 2011 & Approval of request for recreation program refund.

Negley moved to accept the consent agenda. Second by Knedler. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Motion passed.

Hearing of Citizen Comments

No formal action will be taken during this meeting, although issues raised may become part of a future agenda. Participants are allotted a 3 minute speaking period. Specific items listed on the agenda may not be discussed at this time; however, citizens are invited to speak to those issues as designated in the agenda.

There were no citizen comments.

Presentation by Tom Grosinske and Ben Cooper regarding the Whitewater Youth Football League (WYFL) and possible approval of agreement between WYFL and City of Whitewater

Amundson referred to the memo. At the April 4th meeting this agreement was discussed by the Board. Tom Grosinske and Ben Cooper representing the WYFL gave presentation of program. Negley made the motion to approve partnership between WYFL and City of Whitewater for youth football. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Motion passed.

Approval of Whitewater Urban Forestry Commission Management Policy

Amundson introduced the policy and explained that this policy has been prepared and approved by the Urban Forestry Commission and needs Parks and Recreation Board approval prior to going to the Common Council.

Nass presented the current Urban Forestry Commission Management Policy with suggested changes. Negley made a motion to accept the Urban Forestry Commission Management Policy submitted by the Urban Forestry Commission be forwarded onto Council with the understanding that the City Forester and Tiuu Gray-Fow meet with the City Attorney to take care of three concerns, these include; A. Under reconstructed and widened streets: the developer adheres to the 2% appropriation for forestry related items in the project area, B. Under tree placement, the addition of a \$200 cost per inch at DVH, to be reviewed annually, and C. Meet compliance with city attorney. Knedler seconded the motion. Ayes: Daniels, Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina and Butler. Motion passed.

Daniels left meeting (5:25)

Request by CrossePointe Community Church to conduct fundraiser at Starin Park

Amundson introduced request stating this group would like to sell concession items at youth baseball and softball games including Tee-ball and Rookie Ball in Starin Park till July for a fundraiser. Negley made a motion to grant CrossePointe Community Church's request with the understanding a policy will be formulated for future requests and a schedule of selling times, menu, and prices must be submitted to the parks and recreation director. Kidd seconded the motion. Ayes: Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina, Daniels and Butler. Motion passed.

Discussion and recommendation to Council regarding Phase II of Cravath Lakefront Electrical Improvements

Council has directed the Parks and Recreation Board to review the project and make a recommendation on whether to proceed in 2011 with this project. Amundson indicated that Downtown Whitewater is working to fund half of the project and that Council would determine the remaining funding source. Kidd made the motion to approve phase II of the Cravath Lakefront Electrical Improvements with the acceptance of wraps to beatify the electrical boxes now to maintain the aesthetics of our premier park and to create an implementation plan for landscaping as proper screening. Negley seconded the motion. Ayes: Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina, Daniels and Butler. Motion passed.

Discuss possible opportunities regarding beverage services in City Parks

The Board directed Matt Amundson to explore opportunities regarding beverage services in the City Parks and bring findings back for June meeting.

Request for long term rental discount agreement by Brandon Downs to conduct concerts at Downtown Armory and Cravath Lakefront Park

Brandon is a Whitewater resident who has ran some concerts at the Armory. He held an event recently that Parks and Recreation Director Amundson was on site during set-up and take-down. Brandon has identified security at these events, upholds the rules of facility use, and provides a good example of how

these events should be ran in city facilities. He would like to plan several shows this summer and has asked for a reduced rental rate. In being consistent with other similar requests, Amundson has asked to offer him the hourly rate of \$30 for his rental requests.

Dalzin made the motion to grant Brandon Downs a long term reduced rate for the Armory for concerts. Kidd seconded the motion. Ayes: Dalzin, Negley, Knedler, Kidd, and Gosh . Noes: None. Abstain: None. Absent: Kaina, Butler, and Daniels. Motion passed.

Possible action regarding Starin Park playground complaint

Amundson introduced a complaint included in the packet. The swings referenced in the complaint are extremely popular and we have no reported accidents in the approximately 8 years they have been installed.

The Board encouraged Matt to let them know there are inherent risks at parks.

Approve Board Calendar for the next year

Meetings will take place at 4pm on June 6th, July 11th, August 1st, and September 12th

Meetings will take place at 5pm on October 3rd, November 7th, December 5th, January 3rd, February 7th, March 7th, April 4th, and May 16th

Staff Reports

Parks & Recreation Director:

- Make A Difference Day: Friday, April 29th. Approximately 550-600 students volunteered to accomplish 65 listed projects.
- Tour de Triangle: Saturday, May 7th. 10am-1pm Participants will have the opportunity to talk with Bicyclewise, Quiet Huts Sports, Whitewater Police Department and the Bike Federation at Cravath Lakefront Park after taking a riding tour of the new bike racks purchased by Downtown Whitewater.
- Field of Dreams Benefit: Saturday, May 14th. 3pm-12am at Trippe Lake Park & Capn's. Kids games, silent auction, live auction, and live music will be fundraising for the Treyton Kilar Field of Dreams.
- Effigy Mounds Preserve Restoration Plan:
- Lake Protection Plan: The lakes protection plan

Request for future agenda items

Nothing requested.

Park Tour was postponed to June Meeting.

Adjourn

6:50pm Motion by Knedler . Second by Kidd. Affirmed by voice vote.

Respectfully submitted,

Michelle Dujardin

Recreation and Community Events Programmer

City of Whitewater
Parks and Recreation Board Agenda
Monday, June 6, 2011 - 4:00pm
Cravath Lakefront Room - 2nd Floor, City Municipal Building
312 W. Whitewater St. Whitewater, WI 53190

Call to Order and Roll Call and Board Introductions

Javonni Butler, Brandon Knedler, Pru Negley, and Dr. Ken Kidd

Staff: Matt Amundson, Michelle Dujardin, Deb Weberpal, Kate Lynn Schmidt (City Management Intern) and Kevin Brunner.

The meeting was not properly posted and as a result the board was unable to meet and took no action. A tour of park facilities was given to those in attendance.

Respectfully submitted,

Matt Amundson

Parks and Recreation Director

CITY OF WHITWATER
13h URBAN FORESTRY COMMISSION MEETING
Tuesday April 19, 2011 - 4:15 p.m.
Cravath Lakefront room - 2nd floor, city municipal building
312 Whitewater St., Whitewater, WI 53190

City Manager's
Office

DRAFT MINUTES

1. CALL TO ORDER / ROLL CALL: Meeting called to order by chair - Tiiu Gray-Fow. Members present - Richard Ehrenberg, Tiiu Gray-Fow, Tom Miller, Beverly Stone, Karen McCulloch, Prudence Negley. Wyatt Welter has resigned. Staff present - Chuck Nass. Visitors - Roy Nosek. A quorum of four members is required to conduct business.
2. APPROVAL OF AGENDA: MOTION by Miller with second by McCulloch to approve minutes. Unanimous approval.
3. MINUTES OF PAST MEETINGS: MOTION by Miller with second by McCulloch to approve minutes of March 15, 2011. Unanimously approved.
4. CITIZEN COMMENTS: None.
5. PLANNING AND ARCHITECTURAL REVIEW REPORT: Our representative from the P&ARC shall inform the UFC chair of agenda items. The UFC will also check with Jane Wagner regarding agenda items for the P&ARC.
6. PARKS AND RECREATION BOARD REPORT: Our representative from the P&RB shall inform the chair of the UFC regarding agenda items for the P&RB. The chair of the UFC shall also check with Matt Amundson regarding P&RB agenda items.
7. URBAN FORESTRY TREE MANAGEMENT POLICY: The document will be submitted to the Parks And Recreation Board for their review at the May meeting. One change in the document is to note that new development in the city is assessed 2% for planting public trees. The cost for each new tree planted at Waters Edge North was \$225.00. MOTION by Negley with a second by McCulloch to approve the change. Motion carried unanimously.
8. EMERALD ASH BORER: Nass and Ehrenberg will work together to add to the EAB MANAGEMENT PLAN, a section on how to treat public and private trees in order to save as many of our city trees as possible. The Common Council included the following comments regarding a plan for saving Ash trees.
 1. Provide a proactive plan for saving ash trees.
 2. Provide a plan for steps to take when EAB gets within 15 miles of Whitewater.
 3. Consider an "adopt a tree" program in which citizens can participate.
 4. Provide all property owners with information on how to save their trees and / or provide a citywide contract with a private company to treat private sector trees. Consider training our city staff to treat private sector trees as well as the public trees.
 5. Since the urban forestry actually includes private sector trees and since treating only public sector trees will not stop or slow down the infestation, we need to look at the whole picture.
9. IDEAS FOR EDUCATION OF THE PUBLIC: We discussed leaving the name tags for newly planted trees, on the trees, so that people are informed as to the species and cultivars planted. The tree planting crew will be tagging all the bundled bareroot trees. The larger trees already have tags on each one. Tags could simply be left in place. Nass will decide.

10. Nass has been notifying all property owners, by mail, who will be having a street tree planted in front of their property this spring. The information regarding planting and care of newly planted trees, which we approved at our March 15, 2011 meeting, accompanies the mailing.

11. ARBOR DAY: will be observed on Saturday, May 4, 2011, at 11:00 a.m. at the new technology building.

12. TREE CUT LIST / SPRING PRUNING: Spring pruning is done. Spring planting will probably start the first week of May. The Geology Dept. at UW-W arranged for the donation of 650 small hardwood and evergreen trees to the city. They will be planted on "make a difference day" at the Marshall Farm. Roy Nosek pointed out that a large number of maple trees on West Main street are in the process of dying and suggested we begin, this year, to plant some new trees which will eventually replace the declining ones. No terrace trees will be cut down to accomodated the extension of Starin Road to the east. No street trees will be cut down for reconstruction of the two North Street bridges.

13. ADJOURN: MOTION by Miller with a second by Stone to adjourn. motion carried by unanimous approval. NEXT MEETING - May 17, 2011

Secretary - Richard Ehrenberg

Memo

To: Parks and Recreation Board
From: Matt Amundson, Parks and Recreation Director
Date: June 2, 2011
Re: Parks & Recreation Board Meeting: June 20, 2011

CA-C Approval of request by “Community Cat” to be included as a Partner Organization in the Facility Rental & Reservation Policy

Community Cat provides low cost spray/neuter clinics at the Richmond Town Hall and is interested in moving their location or adding another location within the City of Whitewater. Community Cat is a 501c3 organization providing a charitable good for the community and meets the requirement for being a Partner Organization. I have included this item in the consent agenda, if any board members wish to discuss it can be removed from consent and placed in the regular agenda.

C-1 Review and discussion related to Whitewater Effigy Mounds Restoration and presentation by Tom Jennings of Jennings & Associates

I have invited Tom to attend our meeting and provide an update on the restoration plan and some discussion related to the key items included in the plan.

C-2 Appointment of Parks and Recreation Board member to the Plan Commission

The board needs to appoint a member to serve on the Plan Commission from the Parks and Recreation Board, as Brandon Knedler will be moving to the Town of Whitewater. The Parks and Recreation Board rules allow for its members to live within the Whitewater School District; however Plan Commission members must live within the City.

C-3 Discussion and possible action related to the closure of Brewery Hill Park during North Street construction

The Council approved Capital Improvement Plan (CIP) calls for the reconstruction of North Street (1st Street to Jefferson St.) Project will include the replacement of both bridges in that street section, water, sanitary sewer, storm-sewer, and street. The two bridge replacements will include new pedestrian sidewalks as well. Additionally, as part of this project the City is working on an agreement to extend the multi-use trail from North Street to Whitewater Street. I have included the design sheet for the project in your packet.

The project is anticipated to start on August 1st and access to Brewery Hill Park will be limited due to construction. City staff (DPW, Police/EMS, Parks and Recreation) is recommending that the park, including the skate park and trail be closed during construction.

C-4 Approval of Lake Protection Plan for Cravath and Trippe Lakes

The plan is now finalized and needs the approval of the Parks and Recreation Board. The recommendations included in the plan are summarized below:

- Continue and advocate for implementation of urban stormwater management program
- Encourage volunteer participation in Citizen Water Quality Monitoring on Cravath Lake and hold annual report to City Council with recognition of volunteer monitors
- Hold shore land management workshop for property owners on lakes & creeks

- Maintain proper signage at both lakes related to invasive species
- Request that DNR complete fishery analysis and consider stocking efforts
- Continue work with UW-Whitewater to explore opportunities to utilize student resources and programs
- Explore partnership with WWUSD to include Project Wet in school curriculum
- Apply for grant funding to assist in control of EWM and to conduct engineering study on the possibility of dredging
- Limited dredging of navigational lanes to provide for boating lanes of 50 feet in width and five feet in depth. The anticipated cost for both lakes combined would be \$200,000 to remove approximately a combined 8,000 cubic yards
- Encourage manual harvesting of Eurasian Water Milfoil (EWM) around piers and docks, city purchases specialty rakes and makes available to riparian owners and volunteer efforts after holding workshop on identification and removal. Create removal process and include City compost special site.
- Maintain proper EWM treatment (either chemical or biological)
Cost Estimate: currently budget \$6,000, proper chemical management estimated at \$12-15,000 annually; Cost of introducing weevils as a biological control measure would be about the same as the cost of chemical treatment—the advantage would be that you are not introducing herbicides into the water, and there will be years when you will not need to inoculate the weevil into the lakes...there will be natural reproduction.
- In Lake Aquatic plant surveys on 5 year rotation (2015, 2020, 2025, etc)
Estimated Cost: \$3,000 per lake
- Form a public inland lake protection and rehabilitation district

C-5 Review and discuss survey results

I have included the survey results in your packet. I'd like the board to discuss the findings and determine how to proceed with holding some focus group sessions open to the general public.

C-6 Discussion and possible action related to screening of Cravath Lakefront electrical boxes

It appears that there is very little interest in working on the "wraps" for the electrical boxes. The Arts Alliance was reluctant to be involved with the project and Board member Negley has discussed her concerns regarding the project. Sta-Lite has substantial completion on the project at this point and the Board is now able to see what the impact to the park will be. City staff have asked K&W Greenery to provide a landscape plan for screening the boxes. With the board's approval, I'd like to request that we revisit previous action taken on this project and remove the use of "wraps" on the boxes and focus on efforts to naturally screen them with attractive landscape.

Your consideration of these matters is greatly appreciated.

Thanks!

Matt Amundson,
Parks & Recreation Director

Master Plan Report for the:

Whitewater Effigy Mounds Preserve Preservation and Maintenance Plan

June 3, 2011



Prepared for the:

Whitewater Parks and Recreation Department

Matt Amundson, Director

From the:

Parks and Recreation Board

Effigy Mounds Task Force

Friends of Whitewater Effigy Mounds

The Whitewater Landmarks Commission

MASTER PLAN REPORT

Executive Summary

Preparing the plan for Whitewater's Effigy Mounds preserve has been a process of re-discovery. Participants discovered or re-discovered that this mound group has world-wide importance as a native-American cultural resource, and that the Oak Savanna remnant found in the preserve is the rarest plant community in the State of Wisconsin. While the City has taken action in the past to preserve this special place, it will be important to improve efforts to protect the effigy mounds from development pressure and take relatively inexpensive actions to preserve and understand this rare plant community and burial site.

During the end of 2010 and the early part of 2011 the Whitewater Parks and Recreation Department began the process to develop a new maintenance and preservation plan for the Whitewater Effigy Mounds Preserve. We interviewed stewards of other similar mounds groups in the State and held extensive public input to determine how best to preserve and honor this special place. Our plan recommends that a new burning regime be started to manage the health of the savanna. A number of improvement and research recommendations have been made by the Task Force. Here are some of the major ones:

- Begin a burning regime (potential spring 2011 burn planned) to encourage native vegetation establishment and help control weeds.
- Remove turf cover on each mound and restore with a short-stature, native seed mix.
- Plant native tree saplings in the larger open areas to encourage reestablishment of oak savanna, including the DOT "strip".
- Begin invasive species control regimen at appropriate times of the year and sow (by hand) native seed collected on-site at appropriate times of the year.
- Establish a scenic easement or park buffer as part of any future development on lands south and west of the preserve.
- Consider using "conservation subdivision" design principles on future residential developments south and east of the preserve.
- Remove private fences on public land. Work with neighbors to remove fences that have been built on the mounds preserve.
- Establish a permanent archeological advisory group that would approve and or solicit archeological research of the preserve.
- Partner with the Hoard Museum as a means to connect the history of these mounds and that of other sites in our State.
- Protect, preserve, and research the mounds group. Future decisions should be directed toward preserving the authenticity of the site.
- Conduct archeological research of the site.

The Whitewater Effigy Mounds Preserve is well loved by many Whitewater residents. It will play a meaningful role in the cultural and tourism future of Whitewater.

Background

The Whitewater Effigy Mounds Preserve represents a surprisingly intact example of a Late Woodland Effigy Mound Group. It contains 14 mound features built by native-American tribes 700 to 1,100 years ago and is listed on the National Register of Historic Places. As a burial site it falls under the Wisconsin Burial Sites Preservation Law described below. Five of the mounds are in the shape of native-American clan animals or icons based on animal shapes important to their daily life and religious practice. Two are shaped like birds, one of which is an even rarer bent-wing bird shape. Also present are panther-like water spirits, mink, and turtle. The site may also include an inverted mound or intaglio. Our report recommends that a detailed archeological study of the entire preserve be conducted and that the existence of this intaglio confirmed. If this feature is proved to be an intaglio – it would be only the second surviving intaglio located in the state.

Preservation Statutes

The Whitewater Effigy Mounds Preserve is a Wisconsin burial site. The following is from the Wisconsin State Historical Society:

Burial Sites Preservation Program

The burial sites preservation program was created with the passage of 1985 Wisconsin Act 316 (PDF, 940KB) and Wisconsin's Burial Sites Preservation law, Wis. Stats. 157.70 (PDF, 40KB), in 1987. The program is based at the Wisconsin Historical Society's Headquarters building at 816 State Street, Madison, Wisconsin 53706 and is part of the Division of Historic Preservation-Public History. Program staff works closely with members of the Burial Sites Preservation Board.

A burial site, under the law, refers to any place where human remains are buried and includes marked and unmarked cemeteries, Native American mounds, small family cemeteries, and other less obvious locations that are reported to the Wisconsin Historical Society. No burials, regardless of age, ancestry, cultural affiliation or condition may be intentionally disturbed without first obtaining a permit from the director of the Wisconsin Historical Society, even if that burial is on your own land.

Accidental discoveries of suspected human bone must be reported to the burial sites preservation program and work must stop until a determination of whether or not the bone is actually of human origin is made. If you suspect that the human remains you have found are of recent origin and may be of law enforcement interest, please do not move or handle the remains and contact your local police or sheriff's department as soon as possible.

If you have a burial site on your property you may be eligible for a property tax exemption. In order to benefit, the site must be catalogued including a minimum five-foot protective buffer around it. You may then submit the documentation we provide to your local or county assessor to receive a pro rata reduction (see Wis. Stat. 70.11).

If you have questions about the program or would like to report the location of a burial site, please contact us at (608) 264-6494 and provide county and township information as well as section number, if possible. If you know of, or would like to report a burial site disturbance and you are calling from Wisconsin, please use our toll-free number, (800) 342-7834. For technical information or questions, please call (608) 264-6507.

Site Inventory

Plant Communities



Figure 1

The most important finding during the plant community inventory was the of course the intact vigorous remnant of an Oak Savanna plant community. Today, the oak savanna is beyond question the rarest plant community in Wisconsin (Curtis, 1971). Our report includes a detailed maintenance plan that describes the native species found on site and how best to preserve the health and vitality of each group of plants. The following is a brief summary of the plant communities found on site.

Oak Savannah Remnant

- Approx 5 years ago various restoration activities began
- Savannah remnant dominated by bur oak, with some white oak, black cherry, shagbark hickory and black walnut
- Many remnant native species present in the herbaceous layer: bottlebrush grass, Indian grass, bee balm, little bluestem, cup plant, figwort
- Invasive species present: Garlic mustard, burdock, thistles (bull and Canada), Mulberry

Silver Maple and Silver Maple/Bur oak stand

- This is a wetter soil type (Mundelein silt loam), and silver maple is dominant along with bur oak
- Other tree species include black cherry, green ash

- Herbaceous layer primarily dominated by weeds and blackberry (*Rubus* spp)
- Invasive species present: Garlic mustard, burdock, reed canary grass, bull thistle

Black cherry stand at east end of park near entrance

- This is a drier soil type than the Silver Maple/Bur Oak stand and thus supports a dominance of Black Cherry. It is the same soil type as the oak savanna remnant, so restoration to a bur oak overstory may be possible.
- Invasive species present: Garlic Mustard, Burdock, Bull Thistle

Wetlands

- This entire wetland consists of reed canary grass. The reed canary grass be difficult to control (costly, labor intensive), and in the future the wetland will continue to receive nutrient laden water carrying rcg seed from the existing wetland complex to the northeast, which receives runoff from Main Street.

DOT Prairie

- This area was formerly agricultural, but has been allowed to become fallow and is filling in with prairie species and Silver maple saplings.
- Need to determine a goal plant community for this area: Prairie? Oak savannah?
- Need to determine capacity to manage the area and set management goals accordingly

Topography

The site is located along a ridge line that slopes to the north and east. The soils higher on the ridge are glacial silt loams and become heavier and less well drained as they get closer to the marsh. A creek used to exist near the site but has become an intermittent stream due to agricultural activities.

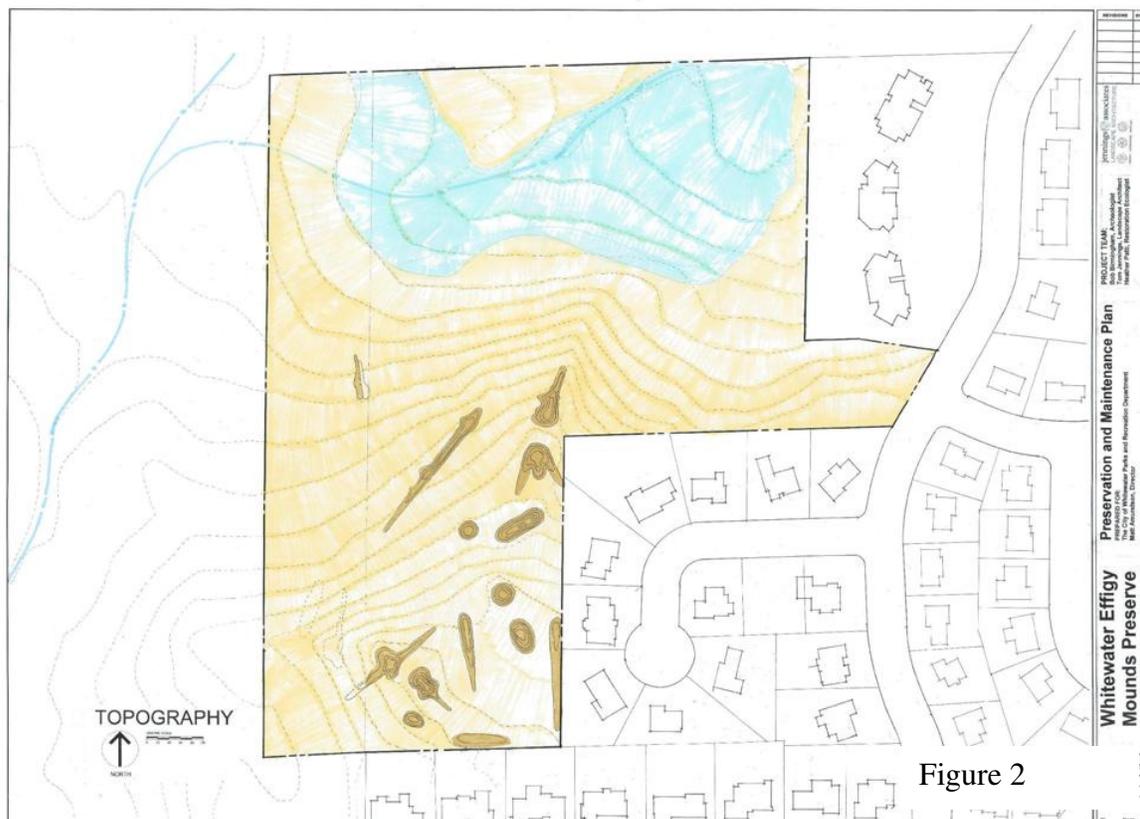


Figure 2

Public Input

During the planning process the Effigy Mounds Task Force and the Effigy Mounds Friends toured other effigy mounds sites in Wisconsin. They also received input from the public, advice from a Jay Toth a Native American manager of the Kingsly Bend effigy mound site, a presentation from Bob Birmingham, the former State of Wisconsin Chief Archeologist, and input from the Director of the Hoard Museum.

Whitewater Effigy Mound Preserve Stakeholder and Public Meeting Summary December 8, 2010

The initial public and stakeholder meeting for the Whitewater Effigy Mound Preserve was held at 7:00 PM in the Whitewater City Hall on December 8 2010. About 20 citizens attended the meeting, including; neighbors, members of the public, Effigy Mounds Friends, and Effigy Mounds Task Force members. The names of the participants are included at the end of this summary. Also in attendance were, Whitewater Parks and Recreation Director Matt Amundson, Tom Jennings, lead consultant and landscape architect; Heather Patti, a restoration ecologist; and Bob Birmingham, a former state archeologist with the Wisconsin Historical Society.

Please note that some of the input below is borrowed from a recent newspaper article about the meeting.

Matt Amundson began the meeting by introducing the consultants and giving some background about the project:

"A formal plan is being prepared for the restoration and preservation of this unique archeologically significant site on Whitewater's west side. The City has contracted with Jennings and Associates, a planning firm that has significant background in land restoration and planning, as well as archeological preservation."

"This has been a site with a lot of public interest and a lot of concern over how the site is currently being maintained," Amundson said at the start of the meeting. "This is an opportunity to restore and preserve the site for what can be an educational site."

He noted that interested citizens have been serving on an ad hoc committee of the Park and Recreation Board.

"They have brought us to the point to where the city has hired Jennings and Associates," Amundson continued. "They have been on site, toured other sites and have completed other restoration sites. They will be discussing what our options and opportunities are. But the purpose of this meeting is to know what our residents want at the site."

Then Bob Birmingham, our archeologist, described the archeological importance of the site and its characteristics:

"The effigy mounds are a world wonder, these exist nowhere else in the world; they're like Stonehenge, and they have not escaped foreign interests. But we often take them for granted. There is an old axiom that says if it is nearby, it can't be that interesting," Birmingham joked. "Otherwise, it would not be nearby – you would have to spend \$5,000 and go to Egypt to see

something interesting. But we have these unique sites right here."

Birmingham explained that in his research, he has discovered that the mounds are related to the cultural and belief systems of the native peoples who built them.

"Over hundreds of years, native people sculpted the landscape in many areas as a three-dimensional representation of their religion," he said. "Sometimes these were a vast area; a vast environment has certain powers, and they're sculptures would bring out the spirits of that power. They constantly recreated the world, and ties the world to their ancestors in the form spirit beings."

He added that the mounds -often in the shapes of animals - represented the "clan animals" as well, as certain clans had more power than other clans and thus were represented by different animals.

The effigies in the Whitewater area include birds (called "thunderbirds") long-tailed panther-like water spirits and likely snakes. There also are round and conical mounds that Birmingham said possibly might be related to celestial bodies such as the sun and moon; also, conical mounds might also be burial locations.

Most of the mounds in Wisconsin were built between 700 and 1,100 A.D., Birmingham explained, noting that mounds always were close to lakes or rivers because water represented life. But some, like the one in Whitewater, was built as a "remote" ceremonial site.

"All remote sites have one thing in common, and that is they are close to springs," he said. "Springs were considered entrances into the spiritual world. It is life itself coming up. About 1,000 years ago, this was considered to be a very special spot, even before the mounds were built, because of the springs to the north of the site."

He added that no formal archeological excavation of the area has taken place.

Heather Patti of RA Smith then spoke about the native vegetation and invasive species in the preserve. She said the area is an Oak Savannah or an "Oak Opening."

"Oak Savannah's are very rare," she said. "They are restricted to just Wisconsin and Minnesota. This area is a mature, intact Oak Savannah. The hair on my neck stood up when I saw it. We have a real treasure here, and the presence of the mounds make it even more special."

Patti said there are several invasive species in the preserve, such as Garlic Mustard, Thistle and Reed Canary Grass. She added that these "could be worked on over time" to restore the area to a more native ecology. Heather also recommended creation of a controlled burn schedule.

Tom Jennings then led the public input part of the discussion, which comprised the majority of the meeting.

We have accumulated meeting notes from three sources: the flip chart that was written up as people spoke; Tom's notes he took during the meeting; and a description of the meeting that was in the Daily Union.

PUBLIC COMMENTS

- Look into water source east of Mounds parkway.
- Plant several different tree species. There was a concern if we only manage toward the Bur Oaks, the site could be decimated if a disease struck. Encourage more tree diversity.
- Weed problems/appearance are an issue. Drop-off in attendance as a result.
- Mound restoration, to enhance education.
- The site has a spiritual energy impact on visitors. Many visitors feel the energy of the place and in the mounds themselves.
- It is a natural place to teach and meet the needs of visitors with different goal sets and diverse groups. It is attractive to many age groups. It has spiritual, cultural, historical and nature based importance.
- Visitor Rob Nurie, a landscape historian noted the following: The place has natural and cultural importance. In the past it reflected the culture of the people who lived here. What experience do you, the community, want it to have? What do you want to save for future generations? What is important to you, the community?
- Plant local genotypes.
- Trails and orientation needs clarification they are currently confusing.
- Put more information on signs.
- Parking; add a pullover?
- Do an Archeological study.
- This is a unique site. We need to communicate with Wisconsin Historical Society and look into regulations.
- Better delineate mounds.
- Promote the preserve with seasonal activities and highlights, such as seasonal hikes, etc.
- Encourage and promote the Friends Group and volunteer activities.
- Continue to maintain prairie understory.
- Involve UW-Whitewater archeologist, or biology departments, Native American group?
- This is a Ho Chunk ceded area. Bob Birmingham explained that "ceded area" means that the Ho Chunk were the tribe that ceded this land to European settlers.
- Incorporate landscape as a whole; regard nearby residences.
- Kori Oberle, Director of the Hoard Museum said that the City of Whitewater or the Friends Group could post information about the Effigy Mounds Preserve at Hoard Museum. She noted that the Hoard Museum has a significant display and section devoted to effigy mounds in this area of Wisconsin. She also suggested greater connection and linkages between the Hoard museum and the Preserve. It could be a mutually beneficial relationship that promotes tourism and events at both places.
- Look at the Jefferson County Parks Ho-Chunk site as an example and look at their parking and trail maintenance.
- Needs to fit in within its context and have better educational value, for example, for school groups.
- Potential for parking and access to the West, could potentially tie in with future development.
- Keep future generations and long term in mind.
- Insure continuity, no stops and starts. Make plans that are the "right size" and sustainable.
- Make investments into the preserve.
- Come to budget hearings and support improvements.

- Look into funding opportunities, federal?
- City's park budget is issue.
- Apply for grants, be aware of National Historic Places Fund status.
- Trails not clearly defined.
- Would like a kiosk at the entrance idea to introduce site then minimal signage along trails.
- Integrate open area better into rest of the site.
- Think about fences; a gradual draw or pull into the site.
- Use native plantings.
- Consider making the preserve more accessible for the disabled.
- Go to dailyunion.com for an article on tonight's meeting.
- Mound maintenance ideas;
 - No mow mix or short prairie grasses
 - Keeping it turf, visibility
 - Mow around base and have short grasses on top
 - Walking on or biking over mounds an issue
 - Not use large city mowers

- The site is has a number of positive aspects and we should have a number of goals aimed at improving it.
- Preserve is sacred.
- Inter-generational and teaching opportunities.
- Cultural artifacts.
- Educational opportunities.
- Trails and maintenance.
- Native people and current visitors attracted to the site because of the natural aspects and specialness of the place.
- Use plants that are native to this specific part of the State.
- Tie into bike path and hiking trails.
- Very important unique cultural site in a special environment.
- Want archeological study.
- Communicate with Landmarks Commission and National Historic Groups. Create volunteer position that acts as liaison to other State and National Groups.
- Use native grasses and plants.
- Prairie and savannah are sustainable.
- Delineate mounds.
- Keep people off mounds.
- Have seasonal approach to scheduling activities and seasons.
- Sacred place.
- Need to be good neighbor.
- Native American Association
- Trail not clearly delineated.
- This is a sacred space.
- Attempt to create a similar more authentic experience.
- Preserve views of neighboring country side.
- Have small visitor center for site that also has links to Hoard Museum.
- Introduce the mystery of these mounds and an overview of history and culture.
- Make the site more attractive to school groups. Or reach out to school groups.
- Make improvements small scale.
- We have a responsibility to the past.
- Encourage interest and participation in the site for future generations.
- Natural gardens at entry from the east.
- Protect views from the site.

- Would Ho-Chunk want to manage this place?

Some of the prevalent themes heard during the meeting: spiritual, good neighbor, more archeology, naturally connected, educational, sustainable, special/unique, stewardship, advocacy, connections.

NEWSPAPER

In summary, other concerns voiced by the audience included:

- Maintaining a proper appearance for both the mounds and surrounding area.
- Keeping surrounding housing projects to a minimum to preserve the "natural view" that the native people had when the mounds were first built.
- Possibly rebuilding parts of mounds that have been damaged.
- Maintaining tree diversification to make sure that single species of trees are not devastated by diseases.
- Integrating paths and bike paths.
- Fix the signs that are out there now to create an easier way to navigate the preserve.
- Adding more informational signs or, possibly, building an interpretive kiosk with more detailed information before walking through the area.
- Possibly extending the existing street to allow for more parking, or possibly adding another entrance to the area from the west side.
- Holding seasonal hikes. For instance, the mounds are best seen in the spring and autumn.
- Possibly increase the tourism aspects of the preserve.
- Preserving the "sacred geometry" and "positive spiritual energy" of the area.

There appeared to be wide agreement among attendees that the preserve should have a major education factor, including historical, cultural, geographical and environmental aspects.

Mat Amundson noted that the next step in the process would be a Draft Program or outline of what should be included in the final plan. We would also present a preliminary conceptual plan.

Sign-up Sheet Info.

Name	Address	Phone
Dan Sable	131 N. Fremont Street	262-473-6219
Andrew Crone	1590 Wildwood Road	262-458-2006
Carol Christ	445 W. Center	262-745-9676
Roberta Taylor	1226 W Florence # 24	262-473-3622
Rod Berg	1716 Turtle Mound Lane	262-473-2681
Sue Scherer	1672 Mound View Place	262-473-6797

Jon Kachel	1690 Mound View Place	262-473-4141
Mariann Scott	421 E Cravath Street	262-473-4219
Linda Loomer	726 E Cravath	262-473-2330
Richard Helmick	227 W Boone Court	262-473-7884
Rod Nurre	N1624 County Road N Columbus WI	920-623-2479
Kari Oberle	Hoard Museum Fort Atkinson WI	920-563-7769
Thomas Kutz	Fort Atkinson	920-728-2063
Ron Ebel	N3485 Bente Road Jefferson WI	262-593-8784
Tom Harmon	N3305 County Road F Helenville WI	262-593-8436
Denay Trykowski	248 Woodland Drive Whitewater WI 53190	262-473-2300

Maintenance Plan

Introduction

Whitewater Effigy Mounds Preserve (formerly Indian Mounds Park) contains one of the largest collections of effigy mounds in the country. The mounds were built sometime in between 800 – 1200 A.D., and consist of both geometric and animal shapes. This preserve is listed on the National Registry of Historical Places (1991), and was identified as a local landmark in 1994. Because the mounds are a burial site, the site is protected under Wisconsin's State Burial Law.

The primary objective of this land management plan is to provide recommendations that preserve the cultural and natural diversity at Effigy Mounds Preserve while providing public access for recreational and educational activities. Like many other natural areas and parks in Wisconsin, Effigy Mounds Preserve exhibits signs of past human disturbances such as invasive plant species and habitat fragmentation by roads, agricultural use and residential development. However, due to past stewardship and restoration activities conducted by the Parks and Recreation Department and the Friends of the Mounds group, Effigy Mounds Preserve remains as a high quality natural area. The natural plant communities at Effigy Mounds are identified on the Plant Communities Map, and specifically include an Oak Savanna remnant (which contains the effigy mound sites), a Silver maple/Bur oak stand, and a fresh (wet) meadow wetland. These communities, along with management and restoration recommendations, are discussed below.

I. Existing Habitat Types

Oak Savanna

In Wisconsin, savanna once constituted one of the most widespread communities in presettlement times. The term "savanna" was credited to the native Carib Indians, defined by an area with widely spaced tall trees, but at a density so low that it allows grasses and other herbaceous vegetation to become dominant (Curtis, 1971).

Today, the oak savanna is beyond question the rarest plant community in Wisconsin (Curtis, 1971). This has been mainly due to the absence of fire, conversion to agriculture (e.g., wheat) and urban/residential development. Therefore, the oak savanna remnant at Effigy Mounds preserve is especially important to protect and maintain as one of the last remaining stands of oak savanna.

According to the Parks and Recreation Department, various stewardship activities have been occurring within the oak savanna over the recent years, including periodic mowing, weed pulling and trail maintenance. There exists a healthy stand of bur oak, with some white oak, black cherry, shagbark hickory and black walnut in the oak savanna. Many remnant native species are also present in the herbaceous layer, including bottlebrush grass, Indian grass, bee balm, little bluestem, cup plant, and figwort. However, a number of invasive, weedy species are currently dominating the herbaceous understory, including garlic mustard, burdock, thistles (bull and Canada), and mulberry shrubs.

For purposes of this maintenance plan, the oak savanna area includes the oak savanna remnant itself (including the effigy mounds), a stand of black cherry near the preserve entrance, and the majority of the fallow field currently referred to as the DOT "strip".

Silver maple/Bur oak stand

The silver maple/bur oak stand is located to the north of the oak savanna remnant (Figure 1), and consists of a slightly moister soil type. This community type wraps around the northern portion of the preserve, extending eastward towards the entrance. Other native tree species are present within this area, including black cherry and green ash. The herbaceous layer is primarily dominated by weeds and blackberry vines (*Rubus* spp.). The abundant weeds include garlic mustard, burdock, and bull thistle.

Fresh (wet) meadow wetland

Fresh (wet) meadows are wetlands that are dominated by grasses, such as reedtop grass and reed canary grass, and by forbs such as giant goldenrod, growing on saturated soils (Eggers and Reed, 1997). The fresh (wet) meadow wetland (Figure 1) area at Effigy Mounds Preserve currently consists of a monoculture of reed canary grass. Reed canary grass can be almost impossible to control (costly, labor intensive, and a long term effort), and in the future the wetland will continue to receive nutrient laden water carrying reed canary grass seed from the existing wetland complex to the northeast, which receives runoff from Main Street. As such, we do not recommend reed canary grass removal and native vegetation establishment activities at this time unless ample funding becomes available.

II. Restoration & Management Recommendations (including Effigy Mounds)

Based on the fall 2010 site visit and stakeholder meeting in December 2010, the following stewardship recommendations are provided and discussed below:

- 1) Begin a burning regime (potential spring 2011 burn planned) to encourage native vegetation establishment and help control weeds
- 2) Remove turf cover on each mound and restore with a short-stature, native seed mix
- 3) Plant native tree saplings in the larger open areas to encourage reestablishment of oak savanna, including the DOT “strip”
- 4) Begin invasive species control regimen at appropriate times of the year
- 5) Sow (by hand) native seed collected on-site at appropriate times of the year
- 6) Add additional oak savanna westward into the DOT prairie (Figure 1)

Begin a burning regime to encourage native vegetation establishment

Prior to European settlement, wildfires and human-caused fires traversed prairies, wetlands and oak savannas. Native Americans often burned grasslands to flush out game when hunting. Lightning strikes were known to ignite dry prairies that could build up and traverse across miles of prairie. Although the precise frequency of these fires was not well documented, it is thought that fires burned through an area every 2-5 years.

The goal of prescribed burning is to mimic the natural disturbance of fire as much as possible. A burn frequency of 2-5 years, 2 years for “younger” prairies/oak savannas and 5 years for more established areas is recommended. The mound sites should be burned as well.

Burn seasons in Wisconsin generally occur each spring (April – May) and fall (late October - December). The season of burn can affect growth and development of many amphibian, insect and plant species. For example, a spring burn can stimulate late flowering forbs, while a fall burn may open ground for early spring sunlight and encourage growth of cool season grasses such as Junegrass. Some species take 2 to 3 years to flower and set seed after a burn, some species will flower within months following a burn. It is important then to stagger frequencies and seasons for the benefit of the entire plant and animal community.

An example burning regime for Effigy Mounds Preserve is provided in Table 1 below. Due to the small nature of the park, the entire preserve could be burned during one event or could be divided into smaller units and burned separately. At this time, it is likely most cost efficient and effective to burn the entire preserve at once.

It is understood that a land management company who specializes in prescribed burning would carry out the burn(s) and provide the necessary equipment and permits.

Table 1. Example burning schedule for Effigy Mounds Preserve.

2011	2012	2013	2014	2015	2016	2017	2018
Spring** burn	--	Fall* burn	--	Fall burn	--	-	Spring burn

* Fall: Early November through mid-December.

** Spring: Early April through early May.

Remove turf cover on each mound and restore with a short-stature, native seed mix

The effigy mounds are currently vegetated with Kentucky bluegrass and maintained by periodic mowing. While this vegetative cover allows for good visibility of the mounds, it is maintenance intensive and invites pedestrian traffic, causing compaction. In addition, compaction has occurred from mowing and brushcutting activities. To convey a more cultural and natural appearance of the mounds, we are recommending that the mounds be re-vegetated with a short stature, native seed mix. The species that are recommended below are native to this area of Wisconsin. After the seed mix becomes established, the shorter height of this mix compared to the taller vegetation in the surrounding oak savanna will help to delineate each mound. We are also recommending that the base of each mound be mowed to help delineate the shapes for visitors.

To remove the existing turf over the mounds, treat with a glyphosate-based herbicide (e.g., Roundup™) per label requirements. The turfgrass will die off after 1 – 2 herbicide treatments (two treatments is ideal). When the turfgrass has died off, burn the surface of each mound to get rid of the dead thatch. After the mounds have been removed of turf and bare soil is exposed, hand-sow the native seed mix per the instructions in Table 2.

Table 2. Native seed mix and specifications for Effigy Mounds at Effigy Mounds Preserve.

	Common name/Scientific name
1	Thimbleweed (<i>Anemone cylindrica</i>)
2	Columbine (<i>Aquilegia canadensis</i>)
3	Side-oats grama (<i>Bouteloua curtipendula</i>)
4	Prairie brome (<i>Bromus kalmii</i>)
5	Bottlebrush grass (<i>Elymus hystrix</i>)
6	June grass (<i>Koeleria macrantha</i>)
7	Jacob's ladder (<i>Polemonium reptans</i>)
8	Brown-eyed Susan (<i>Rudbeckia triloba</i>)
9	Little bluestem (<i>Schyzachyrium scoparium</i>)
Cover crop	Canada wild rye (<i>Elymus canadensis</i>) (20 lbs/acre)

Notes:

- The seedbed should be prepared for optimal native seed germination.
- Canada wild rye should be used as a temporary ground cover/nurse crop.
- Seeding should be completed between 4/10 and 5/31; or between 10/15 and 12/01 – Grasses germinate well when planted in the early spring.
- Apply native grass seed at a rate of 10 Lbs. per acre.
- Apply cover crop at 20 Lbs. per acre.
- Choose at least 3 of the 5 grasses.
- No single grass species should comprise more than 30 percent (by weight) of the species in the mix.
- Seeds should be viable and will be mixed using an appropriate filler material.
- Seed should be hand sown and raked, to ensure good seed to soil contact.
- A light mulch of clean, weed-free straw or similar should be spread on the sown areas to ensure good seed-soil contact and prevent erosion if a large rain event occurs.
- Contact a local native seed nursery for a cost estimate of the seed mix, such as Prairie Ridge Nursery, Taylor Creek Nursery, or Agrecol, Inc.

Once the seed mix and cover crop has been planted and mulched, monitor the establishment of the plantings every couple of weeks for the first few months. Watering should not be necessary. For the first 2 growing seasons following seeding, maintenance should primarily consist of mowing. Mow to approximately 5” in height, once in the late spring (June) and once in the late summer (September). Weeds should not be allowed to set seed. Around the third year following seeding, mowing can stop and the mounds can be incorporated into the overall burning regime. Over time, weed control should be less necessary.

Plant native tree saplings in the larger open areas to encourage reestablishment

Parts of the oak savanna contain large open areas that do not contain native tree saplings or mature trees. In addition, the DOT “strip” is essentially a fallow agricultural field that does not contain desirable trees or saplings. Planting several tree saplings in these areas in spring or fall is recommended in order to maintain the oak savanna and encourage reestablishment after existing mature trees have died off. Refer to Table 3 for a list of suggested species.

Table 3. Suggested tree species for planting within the Oak Savanna.

Common name	Scientific name
Bur oak	<i>Quercus macrocarpa</i>
Shagbark hickory	<i>Carya ovata</i>
White oak	<i>Quercus alba</i>
Black cherry	<i>Prunus serotina</i>

Tree Planting Notes:

- Trees should be planted within 48 hours of delivery from the nursery.
- Tree plantings should occur in the spring (April 1 – May 31) or fall (October 1 – November) timeframe.
- Tree planting locations should be selected with care to avoid overcrowding and/or unnecessary competition
- Any potential tree substitutions must be approved by the City Parks Dept.
- Plant all trees slightly higher than the soil surface at root flare. Remove excess soil from top of root ball, if needed.
- Backfill tree planting holes with 80% existing soil removed from excavation and 20% plant starter mix, blended prior to backfilling holes. Avoid any air pockets and do not tamp soil down. Discard any gravel, heavy clay or stones. When hole is two-thirds full, trees shall be watered thoroughly, and water left to soak in before proceeding.
- Provide a 3" deep, 2-3 ft. diameter shredded hardwood bark mulch ring around all trees. Do not build up any mulch onto trunk of any tree. Over time, allow the surrounding oak savanna vegetation to fill in around the base of each planted tree.

Begin invasive species control regimen at appropriate times of the year

Several non-native, invasive plants that can invade oak savannas and inhibit the establishment of native species are found in Effigy Mounds Preserve. Table 4 summarizes the non-native, invasive plants at Effigy Mounds Preserve along with some effective control method(s). Invasive plants found in the oak savanna include garlic mustard (*Alliaria petiolata*), bull thistle (*Cirsium vulgare*), Canada thistle (*Cirsium arvense*), and common burdock (*Arctium minus*). The most effective control method for these species is to remove the flowering heads, preventing them from setting seed. Garlic mustard and common burdock are biennial, where the first year plants exist as a basal rosette and the second year plants flower and set seed. The thistles are biennial and perennial in nature, producing flowering heads each year.

Remove flowering heads by pulling the entire plant if the ground is moist, or, cutting the heads with pruners, bag and discard off-site. For the perennial weeds, it is more desirable to pull the plant so that one does not need to revisit the same plants each year. Herbicide application of glyphosate-based herbicide (e.g., Roundup) to the basal rosettes in the spring and fall is also effective.

There are several other non-native species in and on the trails around the savanna, such as creeping Charlie (*Glechoma hederacea*), chicory (*Chicorium intebus*) and clovers (*Trifolium* spp.). These species are usually found along roadsides, trails, and wood edges, and do not tend to invade natural areas and restorations as readily as the previously mentioned plants. Rather than allocate resources towards controlling pathway weeds, focus efforts on control of more problematic species in the savanna interior and prescribed burning.

Table 4. Invasive species at Effigy Mounds Preserve and recommended control methods.

Common Name	Cut at base and treat stump	Foliar herbicide application	Prescribed Fire	Cut or pull (get root)	Biological Control
garlic mustard		X – early spring and fall	Preventative	X – pull when flowering	Being researched
common burdock		X – early spring and fall	Preventative	X – taproot can be difficult to pull	
thistles			Preventative	X – Cut in June, August and September	
multiflora rose	X		Preventative		
Queen Anne's lace			Preventative	X – pull during flowering	
reed canary grass		X – in late summer (Sept)	Preventative		
cut-leaved teasel			Preventative	X – cut flowering stems	
Bush honeysuckle	X		Preventative		
common buckthorn	X		Preventative		

Sow (by hand) native seed collected on-site at appropriate times of the year (oak savanna areas)

Hand-sowing native seed within the oak savanna areas (including the DOT strip) will help supplement the seed bank and “speed up” native species establishment while discouraging weeds. Care must be taken in selecting the most appropriate species for seeding. A private specialist or native plant nursery that specializes in restoring oak savannas should be contacted to assist with the timing and methods of seed collection and storage.

Sowing native seed needs to be timed accordingly. In general, fall or late spring (past snow-melt) plantings do the best. Sowing seed in the fall gives it the advantage of a natural dormant season, which generally increases germination success in the spring. Sometimes a combination of the two seasons is most desirable to ensure successful plant establishment.

Based on the fall 2010 site visit, the seed of the following species could be collected on-site and sown by hand (Table 5):

Table 5. Oak savanna species suitable for seed collection and hand sowing

Common Name	Scientific Name
Bee balm	<i>Monarda fistulosa</i>
Bottlebrush grass	<i>Elymus hystrix</i>
Cup-plant	<i>Silphium perfoliatum</i>
Figwort	<i>Scrophularia lanceolata</i>
Indian grass	<i>Sorghastrum nutans</i>
Little bluestem	<i>Schizachyrium scoparium</i>

Master Plan

Based on input from the public and additional research we then prepared two preliminary options for the preserve. These options were presented to the public for review and revisions. Those revisions were made and a draft master plan was prepared. It plan includes a number of recommendations in addition to those described in the maintenance plan. They are:

MOUND VIEWING trail to be located in field after the first burn. The trail will be a mowed grass surface laid out in a continuous loop taking visitors past all mounds. It will be 4' wide and at least 5' from the mounds.

REMOVE PRIVATE FENCES ON PUBLIC LAND. Work with neighbors to remove fences that are have been built on the mounds preserve.

ENTRY KIOSK with brochures and information for linkage to mobile applications. Once the kiosk and trail maps are in place remove the existing interpretive signs near the mounds.

MANAGE TOWARD OAK SAVANNA. Plant Oaks as openings develop. Burning will promote the establishment of savanna ground cover.

ENTRY KIOSK with brochures and information for linkage to self guided mobile applications and connections to Hoard Museum.

PROPOSED VISITOR CENTER maps, brochures, links to self guided mobile applications and connections to Hoard Museum.

NATIVE PLANT GARDEN

Demonstrate shrubs trees and forbes native to soils and climate.

CONSERVATION NEIGHBORHOOD

Modern residential development could create adverse pressure on the Effigy Mounds and rare Oak Savanna remnant on the site. It is recommended that adjacent development be designed using conservation neighborhood planning techniques that would protect views from the site and reduce harm to the mounds.

PROTECTION ZONE

The effigy mounds are of world-wide importance and a key part of Whitewater's cultural, historic, It is strongly recommended that a 250 foot scenic easement or park buffer be created adjacent to the preserve.

BOUNDARY MARKERS

Install boundary markers (made with natural materials) along property lines but only in locations that will not disturb mounds.

ADDITIONAL MAPPING and TREE INVENTORY

The existing mapping of tree locations and mound shapes needs to be updated to better inventory the existing resources. A detailed survey using an archeologist and a surveyor should be conducted. We should also conduct a tree inventory of existing Oaks and their condition.



Archeological Advisory Group and Research

An in-depth archeological study of the mounds has never been conducted. In order to better understand the cultural and historical importance of the site, the Task Force recommends that archeological research be encouraged. They also recommend that UW Whitewater participate in future research effort. To oversee and encourage research we recommend that an Archeological Advisory Group be established.

The following is a description from Bob Birmingham of the archeological work that could begin the process:

The depression area or suspected intaglio can be quickly investigated by small bore soil coring to see if it is likely natural or cultural. The first step in an depth archaeological survey. This can consist of selection shovel testing (small holes dug by shovel) to locate areas of artifacts or features. However, remote sensing is highly recommended also in the form of ground penetrating radar or magnetometer both which could locate subsurface disturbances related to the mound group that could then be further investigated. The survey would have to approved and coordinated by the Wisconsin Historical Society since both public and burial sites (the mounds) are involved. A permit would be needed Naturally the survey would have to avoid the mounds and areas right around them.

An archaeological survey with at least some remote sensing would cost \$5,000-10,000.

Additional information about the ancient occupation of the area could be also gained by investigating four other sites located near the mound group found some years ago by UW-Milwaukee. These are in farm fields and could be surface collected again, with landowner permission to see if there are diagnostic artifacts. Previous surface collection at the time of discovery yielded only generic chips associated with stone tool making. Once plowed, reexamination of these sites would take only a total of a few hours.

Hoard Museum and Educational Outreach

The Hoard Museum in Fort Atkinson has a very good educational display and exhibit with extensive information about effigy mounds in Wisconsin. The Task Force recommends that continued connections and cooperation be established with the museum. They could over tours of the site to tourists and student groups.

Budget and Staff Training

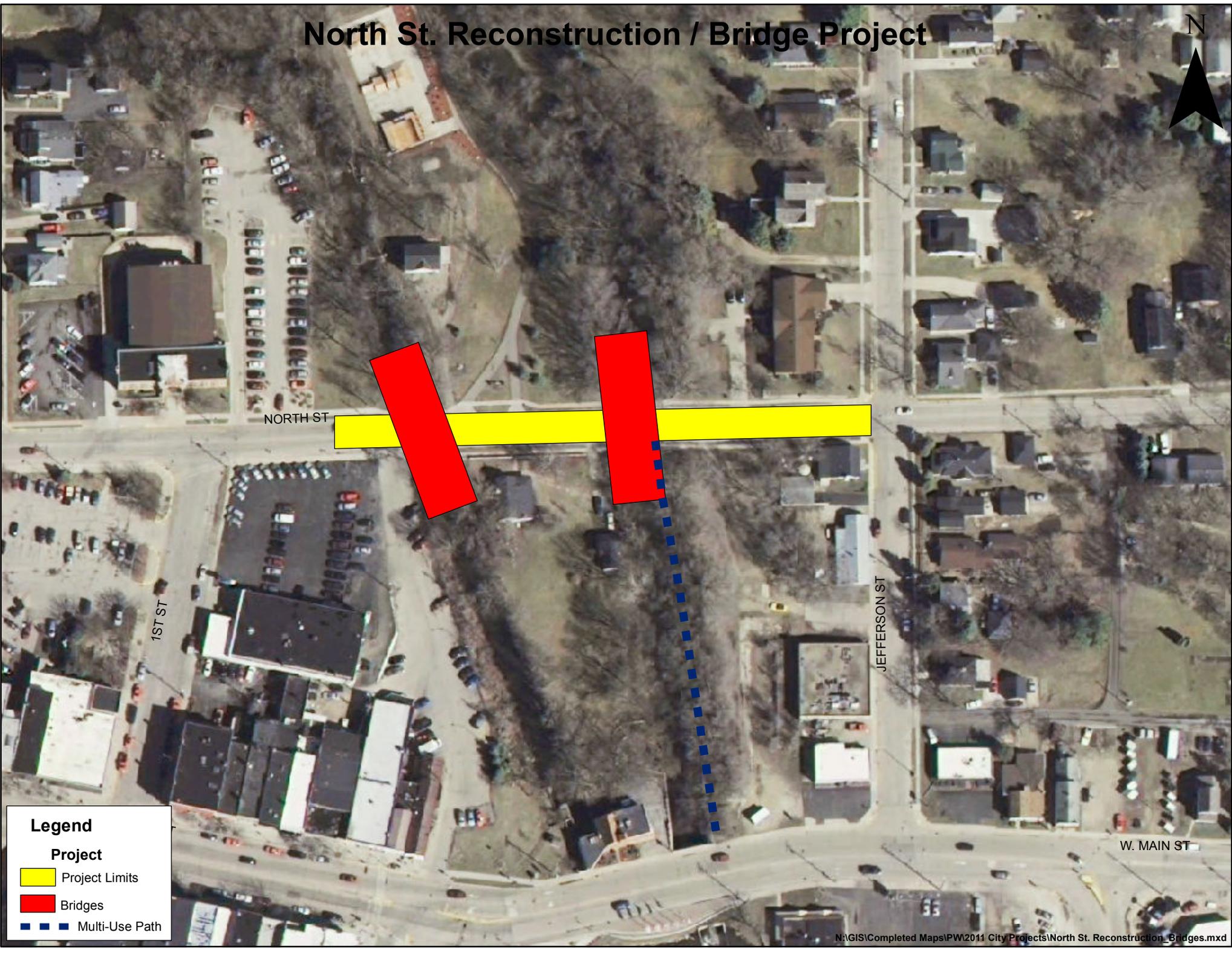
We propose that the tasks described in the maintenance plan and master plan be completed by volunteers, City staff, and contractors. Much of the work to control invasive species, replant the mounds, and collecting and sowing seeds collected on site will be done by volunteers assisted by City staff. Our budget includes a general volunteer and training amount to cover expenses associated with this work. During the first few years of restoring the site, numerous unforeseen costs may come up. We have also included contingency amounts to cover these expenses. The physical improvements could be built in phases or with funds donated to the preserve.

There will be ongoing maintenance work including mowing the new trails, removing deadfalls, and administration. These costs are not in our budget.

WHITewater EFFIGY MOUNDS PRESERVE BUDGET				
Revised June 3, 2011				
Item	Qty.	Unit	Unit Cost	Total Cost
Begin Burn Regime Spring 2011				
Burn	1.00	Lump Sum	3,500.00	\$ 3,000.00
Subtotal				\$ 3,000.00
15% Contingency				\$ 450.00
Total				\$ 3,450.00
Remove turf cover on each mound and restore with a short-stature, native seed mix				
Round-up Treatments (City Staff)	2.00	Lump Sum	2,000.00	na
Prep and seed mounds (City Staff)	1.00	Lump Sum	1,250.00	na
Special Seed Mix for Mounds 35,000 sf	35.00	1000sf	80.00	\$ 2,800.00
Subtotal				\$ 2,800.00
10% Contingency				\$ 280.00
Total				\$ 3,080.00
Training and Volunteer Assistance				
Training	10.00	Hrs.	110.00	\$ 1,100.00
Volunteer Assistance	1.00	Lump Sum	1,000.00	\$ 1,000.00
Miscellaneous supplies and contractor expense	1.00	Lump Sum	2,500.00	\$ 2,500.00
Subtotal				\$ 4,600.00
10% Contingency				\$ 460.00
Total				\$ 5,060.00
Native Plant Garden at Entrance				
Savanna Trees	5.00	ea	250.00	\$ 1,250.00
Native Shrubs	20.00	ea	75.00	\$ 1,500.00
Native grasses and perennials	300.00	ea	12.00	\$ 3,600.00
Stone Path	150.00	lf	18.00	\$ 2,700.00
Soil Amendments	100.00	cy	12.00	\$ 1,200.00
Miscellaneous	1.00	Lump Sum	5,000.00	\$ 5,000.00
Subtotal				\$ 15,250.00
10% Contingency				\$ 1,525.00
Total				\$ 16,775.00
Planting in Preserve Area				
Savanna Trees	45.00	ea	250.00	\$ 11,250.00
Native Shrubs	80.00	ea	75.00	\$ 6,000.00
Native grasses and perennials	300.00	ea	12.00	\$ 3,600.00
Subtotal				\$ 20,850.00
10% Contingency				\$ 2,085.00
Total				\$ 22,935.00
Structures, Signs, Benches				
Visitor Center	1.00	Lump Sum	30,000.00	\$ 30,000.00
Displays in Visitor Center	1.00	Lump Sum	5,000.00	\$ 5,000.00
Entry Kiosk	1.00	Lump Sum	10,000.00	\$ 10,000.00
Benches	5.00	ea	600.00	\$ 3,000.00
Boundary Markers	10.00	ea	200.00	\$ 2,000.00
Subtotal				\$ 50,000.00
Professional Fees (8% of building cost)				\$ 4,000.00
10% Contingency				\$ 5,000.00
Total				\$ 59,000.00
Archeological Research				
Archeological Consultant Fee	1.00	Lump Sum	10,000.00	\$ 10,000.00
Subtotal				\$ 10,000.00
Professional Fees (5% of building cost)				\$ 500.00
10% Contingency				\$ 1,000.00
Total				\$ 11,500.00

Item	Qty.	Unit	Unit Cost	Total Cost
Tree Inventory & Detailed Survey				
Tree Inventory	1.00	Lump Sum	2,000.00	\$ 2,000.00
Detailed Survey	1.00	Lump Sum	5,000.00	\$ 5,000.00
Subtotal				\$ 7,000.00
Professional Fees (5% of building cost)				\$ 350.00
10% Contingency				\$ 700.00
Total				\$ 8,050.00

North St. Reconstruction / Bridge Project



NORTH ST

1ST ST

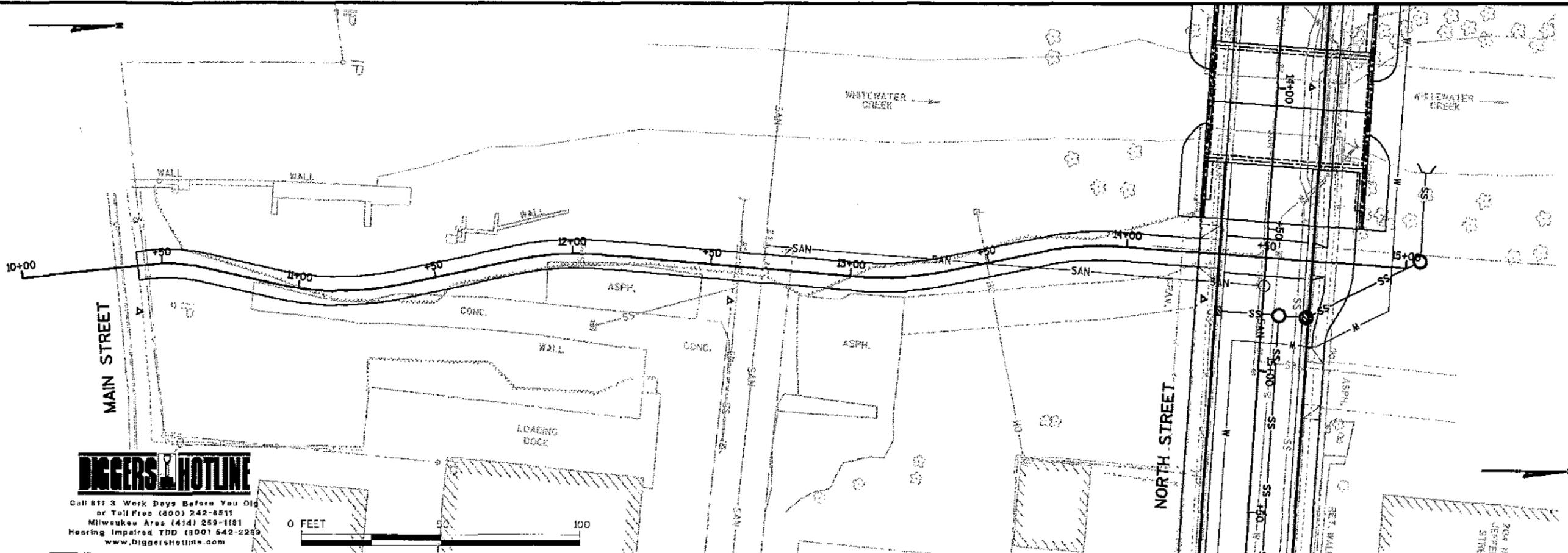
JEFFERSON ST

W. MAIN ST

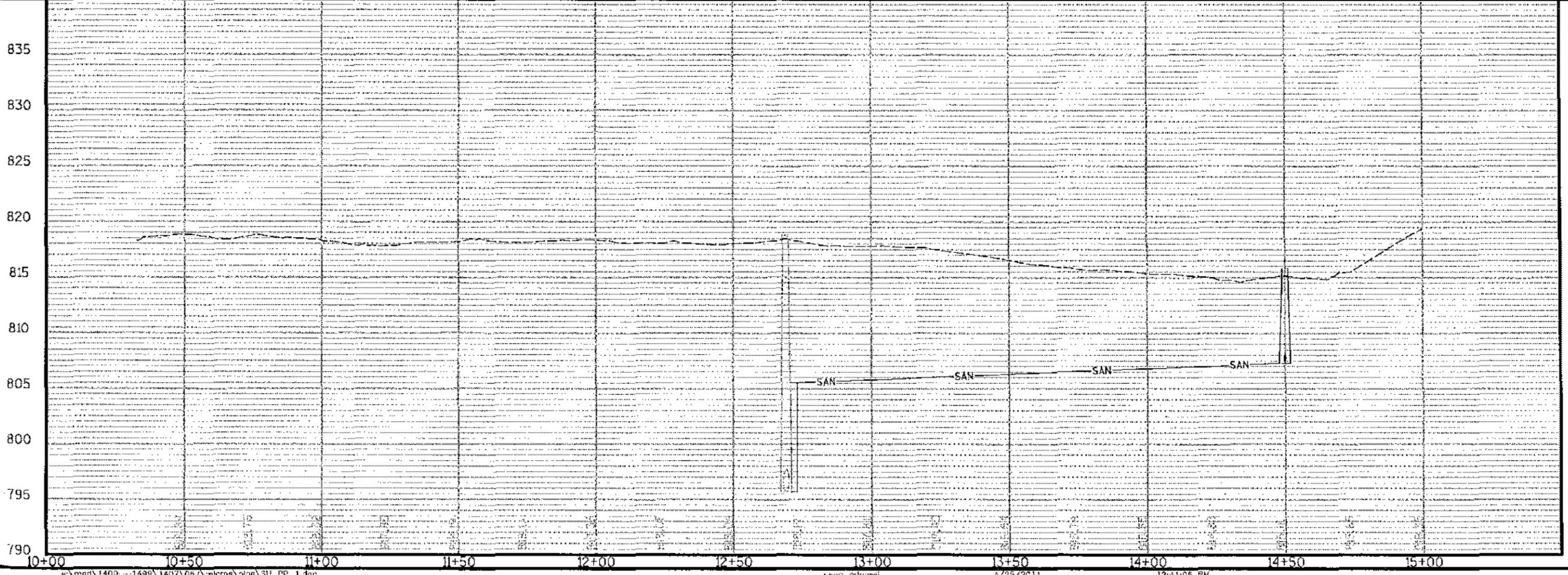
Legend

Project

-  Project Limits
-  Bridges
-  Multi-Use Path



DIGGERS HOTLINE
 Call 811 3 Work Days Before You Dig
 or Toll Free (800) 242-8511
 Milwaukee Area (414) 259-1181
 Hearing Impaired TDD (800) 642-2289
 www.DiggersHotline.com



NO.	REVISIONS	DATE

DATE: _____
 DES. BY: _____
 CHK. BY: _____
 RECORD DRAWING
 BY: _____
 DATE: _____
 CONTRACTOR: _____

**SHARED-USE PATH
 PLAN AND PROFILE**
 NORTH STREET BRIDGE REPLACEMENT
 CITY OF WHITEWATER
 WALWORTH COUNTY, WISCONSIN



SHEET
30
 JOB NO. 1407.057

1. Please rate your experience as it relates to the Whitewater Parks and Recreation Department.

	Very Satisfied	Mostly Satisfied	Satisfied	Somewhat Unsatisfied	Very Unsatisfied	Not Applicable	Response Count
Number of recreation programs offered	26.6% (17)	40.6% (26)	18.8% (12)	4.7% (3)	6.3% (4)	3.1% (2)	
Quality of recreation programs offered	39.7% (25)	30.2% (19)	17.5% (11)	6.3% (4)	3.2% (2)	3.2% (2)	
Friendliness of staff	53.1% (34)	18.8% (12)	17.2% (11)	6.3% (4)	3.1% (2)	1.6% (1)	
Ease of Registration	45.2% (28)	21.0% (13)	29.0% (18)	3.2% (2)	0.0% (0)	1.6% (1)	
Program Brochure	43.8% (28)	25.0% (16)	25.0% (16)	0.0% (0)	4.7% (3)	1.6% (1)	
Use of Technology	34.4% (21)	23.0% (14)	29.5% (18)	4.9% (3)	1.6% (1)	6.6% (4)	
Number of facilities within park system	25.8% (16)	32.3% (20)	24.2% (15)	9.7% (6)	1.6% (1)	6.5% (4)	
Quality of facilities in park system	31.3% (20)	31.3% (20)	20.3% (13)	9.4% (6)	3.1% (2)	4.7% (3)	
Appearance of city parks	38.5% (25)	33.8% (22)	13.8% (9)	10.8% (7)	1.5% (1)	1.5% (1)	
answered question							
skipped question							

2. Please indicate the number of children who live in your household. If you have no children living at home, please advance to the next question.

	Response Average	Response Total	Response Count
Ages 0-3	0.91	10	11
Ages 4-6	0.86	12	14
Ages 7-12	1.52	41	27
Ages 13-18	0.83	10	12
	answered question		35
	skipped question		31

3. What parks and recreation programs have you or your family participated in during the past year?

		Response Percent	Response Count
Preschool programs		10.0%	6
Youth Sports		40.0%	24
Youth Instruction		21.7%	13
Adult Instruction		25.0%	15
Adult Softball		15.0%	9
Adult Fitness		21.7%	13
Open Gyms		20.0%	12
Facility Rentals		13.3%	8
Seniors in the Park		26.7%	16
Special Events		46.7%	28
		answered question	60
		skipped question	6

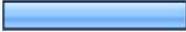
4. Would you like to see the Parks and Recreation Department offer new programs?

		Response Percent	Response Count
Yes		86.2%	50
No		13.8%	8
		answered question	58
		skipped question	8

5. If you answered yes to Question #4, how would you support funding program expansion?

		Response Percent	Response Count
Increase Taxes		13.6%	6
Increase User Fees		86.4%	38
answered question			44
skipped question			22

6. If you answered yes to question #4, what programs would you like to see added?

		Response Percent	Response Count
Middle School intramural sports		27.3%	12
High School intramural sports		15.9%	7
Before School Programs		4.5%	2
After School Programs		22.7%	10
Youth Hockey		9.1%	4
Learn to Skate		18.2%	8
Adult Sports Leagues		11.4%	5
Youth Tennis		15.9%	7
Nature Based Education		43.2%	19
Health & Wellness		56.8%	25
Other (please specify)			16
answered question			44
skipped question			22

7. What City of Whitewater park is closest to your home?

		Response Percent	Response Count
Starin		29.1%	16
Trippe Lake		12.7%	7
Cravath Lakefront		14.5%	8
Moraine View		5.5%	3
Whitewater Creek Nature Area		0.0%	0
Whitewater Effigy Mounds Preserve		5.5%	3
Skyway		5.5%	3
Brewery Hill		1.8%	1
East Gate		0.0%	0
Clay Street Nature		3.6%	2
Big Brick		10.9%	6
Turtle Mound		10.9%	6
answered question			55
skipped question			11

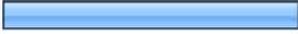
8. If your family has visited a Whitewater City Park, which park amenities were utilized?

		Response Percent	Response Count
Playgrounds		67.9%	36
Multi-use trails		49.1%	26
Park Shelters		54.7%	29
Baseball/Softball fields		32.1%	17
Soccer Fields		17.0%	9
Lakes		41.5%	22
	Other (please specify)		3
answered question			53
skipped question			13

9. Overall, how would you or other members of your household rate the conditions of Whitewater's parks?

		Response Percent	Response Count
Excellent		28.3%	17
Good		56.7%	34
Fair		8.3%	5
Poor		5.0%	3
Don't know/not applicable		1.7%	1
answered question			60
skipped question			6

10. What types of improvements, if any, would you like to have done to the current park system?

		Response Percent	Response Count
Acquire more land		5.6%	3
Expand Existing park land, including green space, gardens, and natural areas		20.4%	11
Add new amenities to existing parks		44.4%	24
None		29.6%	16
answered question			54
skipped question			12

11. What facilities or park amenities would you support the Whitewater Parks and Recreation Department adding?

	Should add within 5 years	Should add within 10 years	Should consider, but not in the next 10 years	Should not consider	Response Count
Improved playground equipment	40.9% (18)	22.7% (10)	18.2% (8)	18.2% (8)	44
More playgrounds	22.7% (10)	27.3% (12)	20.5% (9)	29.5% (13)	44
Youth Baseball/Softball Fields	37.5% (15)	12.5% (5)	15.0% (6)	35.0% (14)	40
Multi-use Trail Development	70.0% (35)	8.0% (4)	6.0% (3)	16.0% (8)	50
Outdoor Pool/Aquatic Center	24.4% (11)	13.3% (6)	17.8% (8)	44.4% (20)	45
Children's Water Playground/Splash Pad/Spray Ground	28.9% (13)	33.3% (15)	8.9% (4)	31.1% (14)	45
Disc Golf Course	18.6% (8)	18.6% (8)	18.6% (8)	44.2% (19)	43
Community Center/Senior Center	24.4% (11)	24.4% (11)	17.8% (8)	33.3% (15)	45
			Other (please specify)		5
			answered question		58
			skipped question		8

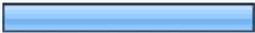
12. What manner would you support paying for these improvements?

		Response Percent	Response Count
New Subdivision Developer Fees		40.0%	22
Re-allocation of existing tax dollars		30.9%	17
Federal/State Grant Programs		70.9%	39
Increased Taxes		23.6%	13
Local Fundraising/Donations		78.2%	43
	Other (please specify)		3
answered question			55
skipped question			11

13. Have you participated in Seniors In the Park programs?

		Response Percent	Response Count
Yes		29.0%	18
No		38.7%	24
Not Applicable		37.1%	23
answered question			62
skipped question			4

14. Do you feel that Seniors in the Park should expand program offerings in the following areas.

		Response Percent	Response Count
Fitness		68.8%	22
Health Education		37.5%	12
Nutrition		40.6%	13
Entertainment		46.9%	15
Sports		15.6%	5
answered question			32
skipped question			34

15. Should Seniors in the Park expand program offerings to locations outside of the Starin Park Community Building?

		Response Percent	Response Count
Yes		52.5%	21
No		47.5%	19
answered question			40
skipped question			26

16. Are there adequate fitness facilities within the community for older adults?

		Response Percent	Response Count
Yes		72.1%	31
No		27.9%	12
answered question			43
skipped question			23

17. In an effort to better involve older adults of all generations, should Seniors in the Park change its name?

		Response Percent	Response Count
Yes		21.4%	9
No		78.6%	33
answered question			42
skipped question			24

18. If you answered yes to Question #5, do you have suggestions for a new name?

	Response Count
	2
answered question	2
skipped question	64

19. If you have any additional comments regarding Parks and Recreation Services in Whitewater, please feel free to submit those comments here.

	Response Count
	23
answered question	23
skipped question	43

Page 1, Q6. If you answered yes to question #4, what programs would you like to see added?

1	yoga	Jun 1, 2011 5:02 PM
2	others as needed for younger users	Jun 1, 2011 4:57 PM
3	workout room at the Senior Center	Jun 1, 2011 4:53 PM
4	more lectures	Jun 1, 2011 4:51 PM
5	tennis lessons for beginners-seniors	Jun 1, 2011 4:40 PM
6	Canoeing	May 2, 2011 8:22 PM
7	offer the classes at a time working parents can get their kids to them. right now only kids of stay at home moms can participate in 90% of the offerings.	May 2, 2011 9:07 AM
8	more bike paths .not on roads.	Apr 29, 2011 6:13 PM
9	More art/music programs.	Apr 28, 2011 6:14 AM
10	Interesting adult classes	Apr 20, 2011 11:40 AM
11	Adult ballroom dance	Apr 20, 2011 7:44 AM
12	skiing, we use to have a great program	Apr 20, 2011 7:39 AM
13	More young Adult and Adult programs	Apr 19, 2011 9:58 PM
14	fishing programs-build rods and fishing derbys	Apr 19, 2011 9:11 PM
15	ZUMBA	Apr 19, 2011 8:42 PM
16	Youth and Adult instruction programs in food/arts	Apr 18, 2011 1:49 PM

Page 2, Q2. If your family has visited a Whitewater City Park, which park amenities were utilized?

1	Senior Center	Jun 1, 2011 4:52 PM
2	Rest rooms	May 2, 2011 8:30 PM
3	Skate park ramps	Apr 18, 2011 12:20 PM

Page 2, Q5. What facilities or park amenities would you support the Whitewater Parks and Recreation Department adding?

1	More soccer fields, Another "Armory Gym" would be great	May 2, 2011 8:30 PM
2	restrooms	Apr 20, 2011 10:01 PM
3	How do I answer yes to the last question?	Apr 20, 2011 11:34 AM

Page 2, Q5. What facilities or park amenities would you support the Whitewater Parks and Recreation Department adding?

4	Dog recreation area (current dog park is a joke)	Apr 20, 2011 9:11 AM
5	Mile-markers on multi use trails	Apr 19, 2011 3:49 PM

Page 2, Q6. What manner would you support paying for these improvements?

1	Partnerships (E.g., Culvers and the land to the north of them for soccer fields)	May 2, 2011 8:30 PM
2	Do NOT raise Taxes!	May 2, 2011 3:59 PM
3	Unknown	Apr 19, 2011 9:59 PM

Page 3, Q6. If you answered yes to Question #5, do you have suggestions for a new name?

1	Starin Park Adult Activity Center	Apr 27, 2011 12:14 PM
2	Park Time for Adults	Apr 23, 2011 9:52 PM

Page 4, Q1. If you have any additional comments regarding Parks and Recreation Services in Whitewater, please feel free to submit those comments here.

1	I am only familiar with the Seniors in the Park program at Starin Park.	Jun 1, 2011 5:00 PM
2	Moved back to Whitewater in Aug 2010 - have enjoyed activities at Seniors in the Park. Thank You!	Jun 1, 2011 4:59 PM
3	more and faster work on Trippe & Cravath Lakes	Jun 1, 2011 4:55 PM
4	Mounds Park, last I knew, had no bathroom facilities or water, so cannot really be used except as a curiosity to look at and leave.	Jun 1, 2011 4:51 PM
5	Deb Weberpal does an A+ excellent job w/ Seniors in the Park. More great seniors/park lectures by Richard Haney & Terry Tutton.	Jun 1, 2011 4:46 PM
6	I think we have one of the best, most active Senior Centers in the surrounding towns. A lot of this is due to Deb's efforts. I have checked other towns and we do an excellent job. Bike hikes for seniors.	Jun 1, 2011 4:42 PM
7	We are very pleased with the number of programs offered and we feel Matt Amundson and his staff are doing a fine job.	May 12, 2011 8:54 PM
8	There is an "unofficial" park in Whitewater worth keeping in mind: The south end of Indian Mound Parkway from Walworth Avenue, over the bridge and further south (towards the City Well). People, families and groups can be seen on it every day and throughout the day walking their dogs, jogging, biking, in-line skating, flying kites, and more. It's great to see how much use it gets. Having a "Doggy Station" at the entrance may be worthwhile, but will no doubt upset some folks, but the amount of dog piles left behind is getting borderline annoying.	May 2, 2011 8:40 PM
9	Definitely still changing for the better. Might want to move youth VB to just after BB so it doesn't conflict with soccer, etc.	May 2, 2011 1:14 PM
10	children's programs are not offered at times when most kids can go because the parents are working. Only stay at home moms can take advantage of these classes for their kids and that isn't right or fair because the working parents have kids that want these programs too!	May 2, 2011 9:09 AM
11	This department should be eliminated	Apr 30, 2011 4:37 PM
12	better athletic ability and training of youth sport coaches. Sportmanship of coaches and parents should be adressed at youth sporting events. Itg ruins the experience of watching your child participate without stress.	Apr 25, 2011 3:14 PM
13	Up keep of the current parks is often minimal. Please put the efforts and dollors into the up-keep what we have BEFORE you consider expansion. Law mowing and weeding should be a priority.	Apr 23, 2011 2:26 PM
14	Have not participated in Seniors in the Park, as offerings are not that interesting.	Apr 20, 2011 11:46 AM
15	The Whitewater dog park is quite possibly the worst dog park EVER! Given the sheer number of dog owners in the community, a much better space should be allocated for a dog exercise area - especially considering that dogs, technically, are not allowed in many of our current trail and recreation areas. This community has plenty of facilities for youth (improve those before adding more, i.e. no new "Field of Dreams") - you are alienating an segment of the population with your pathetic attempt at a dog park.	Apr 20, 2011 9:14 AM

Page 4, Q1. If you have any additional comments regarding Parks and Recreation Services in Whitewater, please feel free to submit those comments here.

16	This is a great community. Our parks is one of the reasons that make it so. They are one of the few, daily interconnections between the people and city government.	Apr 20, 2011 8:42 AM
17	skiing	Apr 20, 2011 7:42 AM
18	The Old Armory is in horrible condition. It is in serious need of updating.	Apr 19, 2011 10:00 PM
19	The pavers at the Lakefront Park need to be relaid.	Apr 19, 2011 8:46 PM
20	Make Mile markers public information on the multi-use trails	Apr 19, 2011 3:50 PM
21	Overall I am very satisfied with the many Park & Rec programs our family has utilized. However, we recently signed up for girls' volleyball and we were told it was cancelled due to a lack of participants BEFORE THE SIGN UP DEADLINE. That has been the only disappointment we've experienced.	Apr 19, 2011 9:29 AM
22	Thank you so much for the good things you do for our community. We greatly appreciate it.	Apr 18, 2011 1:53 PM
23	My feelings are: I have always thought the city messed up when they built the indoor aquatic center. yes, the high school needs a pool (but just a lane pool for high school swimming) I have always felt that an outdoor pool would be better used (plus cheaper since it would only be run during summer months). I also feel there is a lack with kids parks. Starin is the only one ever getting up dated. Big Brick park stinks! And only gets used by college kids playing basetball and the ice skating rink. I would like to see major improvements there.	Apr 18, 2011 1:11 PM