

**Marine on St. Croix  
Village Center Task Force  
Agenda**

**Date:** September 3, 2013

**Time:** 6:00 PM

**Location:** Village Hall

**Invitees:**

Dan Willenbring  
 Kristina Smitten- not present  
 Nancy Cosgriff  
 Tod Drescher- not present  
 Andy Kramer  
 Karen Kramer

Mary Vogel  
 Jack Warren  
 Mary Lusher- Council 2<sup>nd</sup> Rep- not present

**Citizens:** Mary Skamser

**Agenda**

6:00		Review Agenda
6:05	Dan Everyone  Tod  Jack  Tod and Karen Everyone	<ul style="list-style-type: none"> <li>• 2014 City Budgeting effort- 1<sup>st</sup> draft due by 9/15</li> <li>• River Trail Status           <ul style="list-style-type: none"> <li>○ Organize effort to clean storm water ditch</li> </ul> </li> <li>• Burris Park Connector trail           <ul style="list-style-type: none"> <li>○ Any next steps; signage?</li> </ul> </li> <li>• Watershed District Rule Compliance           <ul style="list-style-type: none"> <li>○ Schedule meeting with City Engineer</li> </ul> </li> <li>• Update on 3rd street dumpsters</li> <li>• Define next focus area</li> <li>• Any efforts for Marineø's 175<sup>th</sup> anniversary</li> </ul>
7:00		<ul style="list-style-type: none"> <li>• Adjourn</li> </ul>

## **Budget**

Reviewed budget numbers, highlighted items that were added to the Budget request, discussed final action taken at Truth and Taxation hearing in December.

- Storm Water \$20K
- Judd ST./3<sup>rd</sup> St./ VC storm water, Feasibility design \$50K
- Canoe Rack materials - \$500
- Grant writing - \$4,000
- Mill Site shed- \$3,000

## **River Trail**

Cleaning out ditch, consider coordinating with landscape plantings

Who should lead such an effort, need to define the scope of the work, sign up in Feb. for low cost plantings, and look at In City Talentö to help define.

Mary presented an outline/overview of stormwater strategies ( BMPs) used in other communities. Spread sheet attached at end of minutes.

Look at leveraging soil and water resources, Jay Riggs at Washington County. First attempt is to work with Jim Shaver for resources.

Jack to contact Jim Shaver first

Plan volunteer effort for October

## **Burris Park**

Get Messenger to focus a story on our 2 new trails

Get trail sign

Grass is planted

## **Historic Sign discussion**

Fwd Building signage

Mary handed out photos from Australian Village (Anne Reich) .msg and Signage used in Red Wing at the Bluff Park

Approach Chris Stein from Park Service to construct river trail sign

Approach project from both immediate and long term focus

Evaluate grant opportunities

MHS has mentioned interest in constructing a 6 sided information sign panel; tie Burris Park to Mill Site

## **Watershed**

Meet with water resource guy at Bolten-Menk, Tim Olson

Get City and Watershed engineers to work proactively on mitigation measures

Broken out between Village Center efforts and Residential areas from a funding and partners perspective

Legacy Funding for Clean Water funds under a partnership grant program, grant submission due 10/4

## **Garbage Cans**

Tod has sent info to Reynolds

## **Focus area for the next year**

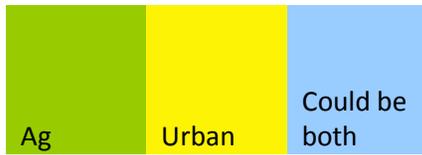
- **Signage, advancing engineering studies on north end**
- **175 year anniversary**
  - Check with Washington County, Brent Peterson, restoration society, MHS
  - Encourage a committee

## ***Future Meeting Dates;***

*All meetings at the Village Hall 6:00 PM*

- *October 1<sup>st</sup> – Tuesday*
- *November 4<sup>th</sup> Monday*
- *December 10<sup>th</sup> - Tuesday*

Adorned 7:35 PM



Water Quality BMP	Description	Use	Application	Cost
Bioretention cells and rain gardens	depressed area with porous backfill under a vegetated surface	groundwater recharge, pollutant removal, runoff detention, decreases or stabilizes water temperature	Residential Municipal On Site	\$\$
Car Maintenance	changing oil in covered areas and off the ground	decreases pollutant run-off	Residential Municipal	\$\$
Car Washing	use commercial car wash, wash cars on permeable surfaces, block off storm drain or use an insert to catch water, pump water into sanitary sewer or landscaping, use automatic nozzles and biodegradable soaps	decreases pollutant run-off	Residential Municipal	\$\$
Catch basin inserts	Filters in storm driains	remove pollutants, sediment, and debris	Municipal	\$
Chlorinated pool discharge options	de-chlorinating pool water before draining or draining in sanitary sewer	decreases pollution	Residential Municipal	\$
Coconut coir logs, blocks, and mats	construction material made from biodegradable fiber	stabilize stream slopes while native plants repopulate and soil is established	On Site	\$
Coir waddle	construction material net	inserted across water flow to catch sediment	Construction On Site	\$
Composting	returning plant material to the soil	decreases garden waste, promotes healthy plants which are less reliant on pesticides	Municipal Residential On Site Agricultural	\$ - \$\$\$

Conservation Tillage or No-Till	practice with decreased or no soil disruption	bolsters soil structure, decreases sedimentation, nutrient runoff and pollution	Agricultural	\$\$ - \$\$\$
Contour and terrace farming	Farming in curved and/or elevated strips that account for terrain gradation	decreases runoff, erosion, and sedimentation	Agricultural	\$ - \$\$
Controlled drainage, drainage tiles	pipes drawing water out of fields; USE CAUTION--can cause nitrogen and nutrient loss and increased total water flow; MUST PAIR with drainage water management	can be used to keep water table high in off season when paired with other BMPs, less peak flow and pollutants	Agricultural	\$\$ - \$\$\$
Crop nutrient management	designed to ensure nutrient inputs meet plant needs	decreases nutrient runoff increases reliance on external nutrient inputs (decreasing runoff)	Agricultural	\$\$
Crop Rotation	planting grasses, legumes, and other crops in the same land area throughout several years	and increase soil health	Agricultural	\$ - \$\$
Curb and gutter design	Removal of curbs and gutters, or cuts in curb to allow water flow	increases sheet flow and decreases runoff volume, directing flow to vegetated swales or bioretention basins	Municipal On Site	\$\$ - \$\$\$\$
Dry extended detention basin	container that temporarily stores incoming storm water	traps suspended pollutants and reduces peak volume	Municipal On Site	\$\$
Erosion control silt check	Natural fiber wattle	Catches sediment at dam sites decreases erosion and fecal coliform	On Site	\$\$
Fenced stream banks	Putting a fence between livestock and a stream	help slow runoff and facilitate infiltration in areas less than 10 acres in size with <5% slope	Agricultural	\$ - \$\$
Grassed swales	shallow, grass-covered hydraulic conveyance channels		Municipal On Site	\$
Green parking design	parking space maximums, lot size maximums, alternative pavers, bioretention of stormwater, structured parking, no curbs/gutters	decreases number of cars and directs runoff to filtration and retention areas	Municipal On Site	\$ - \$\$\$\$

High-efficiency irrigation	timers, moisture sensors, drip irrigation	decreases water volume and nutrient run off	Municipal Residential Agricultural Onsite	\$ - \$\$\$
Infiltration Trenches	rock filled ditches with no outlets	can be used in conjunction with another storm water management device to filter water; sediments and hydrocarbons may clag trench, so water may need to be pretreated (inlet protection)	Municipal On Site	\$\$
Inlet protection devices, hydrodynamic separators	flow-through chambers with settling/separation units	remove sediments, hydrocarbons, and trash	Municipal On Site	\$\$ - \$\$\$
Integrated Pest Management	system to decrease use of pesticides, eliminating worst	decreases water runoff pollution, increases plant resilience and soil structure	Agricultural On Site Municipal Residential	\$\$
Live Staking	plantings of native species along streambanks (willows, red osier dogwood, black cottonwood); willows have been known to repopulate after streambank stabilization and seeding (not staking)	streambank stabilization	On Site	\$ - \$\$
Livestock and human waste management	Treatment and distribution of waste from farms and ranches (e.g. use as manure, physical filtering, centrifugal separation)	decreases fecal coliform and pollution	Agricultural Municipal	\$ - \$\$\$

Mulch	wood chip or plant matter surrounding plants in beds	smothers weeds (decreasing pesticide dependence), increases water retention, decreases water temperature	Agricultural Municipal Residential On Site	\$ - \$\$
Nature-scaping and Xeriscaping	planting natural species and decreasing or eliminating sod	decreases reliance on pesticides, decreases runoff	Residential Municipal On Site	\$ - \$\$
Pasture and hayland managment	pasture rotation and drainage	prevent compaction, decrease runoff and erosion	Agriculture Residential On Site	\$\$
Pet waste removal	picking up pet waste from yard and other public areas	decreases fecal coliform	On Site	\$
Permeable pavement	Alternative paving manufactured without fine materials like sand and without Coal-Tar Sealcoat	allows ground water recharge and decreases pollution	Municipal On Site	\$ - \$\$\$
Permeable pavers	Permeable interlocking concrete pavements or block pavers with voids on corners and plastic turf reinforcing grids or high density plastic grid	allows ground water recharge and decreases pollution, prevents soil compaction and encourages grass growth	Municipal On Site Residential	\$ - \$\$\$
Rain barrels and cisterns	containers placed at roof downspouts or underground storage tanks	harvest rainwater for reuse in non-potable water applications and irrigation	Residential On Site Agricultural	\$ - \$\$\$
Retain crop residue	leaving unharvested plant material as ground cover during next growing season	increases ground cover, decreases runoff, smothers weeds (decreasing pesticide dependence)	Agricultural	\$
Riparian buffers	riparian or forested area along a shoreline, wetland, or stream	soil stabilization, habitat creation, and temperature regulation	On Site	\$ - \$\$\$
Runnels	Surface depressions in sidewalks	Channel small amounts of runoff to stromwater treatment	Municipal On Site	\$ - \$\$\$

Sand and organic filters	sand bed to which stormwater is directed	Remove pollutants, reduce sedimentation, biochemical oxygen demand, and fecal coliform	Municipal On Site	\$ - \$\$
Soil amendments	Any material added to a soil to improve its physical properties; USE WITH CAUTION--high in salts	Improves water retention, infiltration, drainage, aeration, and structure	Municipal On site	\$ - \$\$
Strip Cropping	Planting crops with dam-like vegetated	decreases soil erosion	Agriculture	\$
Streambank stabilization	Protection of streambank through natural or structural additions	decreases erosion and turbidity	On Site	\$ - \$\$\$
Storm drain stenciling	Marking storm drains as flowing to watershed feature	encourages avoidance of illegal dumping and draining	Municipal Residential On Site	\$
Storm water planters	small landscaped stormwater treatment devices ( a few square feet in size)	designed for infiltration or filtering	Municipal On Site	\$ - \$\$
Street Cleaning	Sweepers picking up trash and sediment from gutters	decreases sanitary sewer blockages, pollution, and sedimentation	Municipal	\$\$
Sustainable landscaping	native species that are best or better suited for local climatic conditions	require less water, increase infiltration	Municipal On Site Agricultural Residential	\$ - \$\$
Tail water recover	collection of irrigation water after use via sedimentation ponds and pump-back systems	decreases runoff volume and erosion	Agricultural Municipal On Site	\$\$ - \$\$\$
Tree box filters	In-ground filters with trees and vegetation, especially in urban areas	control runoff and provide some detention while filtering runoff	Residential	\$

Vegetated filter strips or level spreader	bands of dense vegetation planted downstream of a runoff source	decrease peak flow volume and increase infiltration; barrier for agriculture (field border)	Agricultural Municipal On Site	\$ - \$\$
Vegetated roofs	impermeable roof membrane overlaid with high-infiltration rate planting mix and vegetation	reduce runoff volume, frequency, and temperature, improve water quality, reduce atmospheric pollution	Municipal On Site	\$ - \$\$
Water Table Control	control of water table in agricultural land by subsurface drainage	improve crop yield, increases infiltration, decreases runoff and erosion	Agricultural Municipal	\$\$ - \$\$\$
Weed coir mat	Nature fiber mat placed around plantings	mother weeds and biodegrades into mulch, increasing water retention and decreasing water temperature	Residential Agricultural On Site	\$
Wet detention basin	permanent pool of water from runoff; USE CAUTION--require much maintenance	used to remove pollutants	Municipal Agricultural	\$\$\$ - \$\$\$
Wetland development	Restoration of wetlands	filter water	On Site	\$\$\$
Wood chip denitrification bioreactor	type of water drainage management system buried in trenches by tiles; USE CAUTION--potential to produce methyl mercury	removes nitrogen from agricultural drainage	Agricultural	\$\$\$ - \$\$\$

**Village Center Task Force - 2013 Work Effort- Goals- Updated Sept 3, 2013**

PROJECT	POINT PERSON/CHAIR	PARTNERS	TIMELINE FOR 2013	NEXT STEPS	CITIZEN HELPERS
Partnership Collaboration	Dan	MHS National Park Service MN/DOT Watershed MN- DNR Washington County Local businesses	Monthly meetings TBD Monthly meetings TBD TBD Initiated TBD	<p><i>Mary to contact MN/DOT to schedule next meeting sequence.</i></p> <p>Re-establish meeting cadence with DOT Determine new contact person for MHS meetings due to Tom Elligø's retirement 8-5-13- Still Open</p> <p>Continue with meetings, MHS update, see meeting minutes from 4-1, MN/DOT meeting on 4-11-13</p>	
Lower Mill Site RIVER PLACE	Jack	Minnesota Historical Society  National Park Service  MN/DNR	Cultural resource survey likely in 2014- south side of stream	<p><i>No Update - Wait for cultural resource survey before we can proceed in this area, MHS has submitted budget request to complete this work</i></p>	Curt Moe

<p>Maple St. River Access</p> <p>RIVER GATEWAY</p>	<p>Andy/Jack</p>	<p>MHS City of Marine National Park Service MN/DNR Marine-Carnelian Watershed</p>	<p>Complete the trail by end of Summer 2013 8-5-13</p> <p>Submit estimate by April</p>	<p><i>Trail Complete, need to organize a cleanup of the drainage ditch, define scope and coordinate plantings in the spring</i></p> <p>Rough grading complete, trees and brush either cleared or identified to remain, waiting for final contract between Peterson and MHS to surface the trail, minor drainage improvements completed by City 8/5/13</p> <p>Design team met on Monday 5-6-13. Notes to be Provide cost estimate to MHS for upgrading the trail treat the trail head as a separate project: 4/2 clarification on some aspects of the estimate (10,000.00); how do we solicit volunteer services to help clear brush? Ask individuals closer to time of work.</p>	<p>Curt Moe</p>
<p>Third Street (Future)</p>	<p>Karen/Tod</p>		<p>Prior to any Judd St. work</p>	<p><i>Request in to Ryan for traffic study, waiting for time period to test.</i></p> <p>Request for traffic counters made to Ryan Goodman, City Engineer . We can do this work entirely in house and the cost would be \$750. This costs includes a 48-hour tube counts to be placed at the following streets:</p> <ul style="list-style-type: none"> <li>• Oak Street between Judd and 3<sup>rd</sup></li> <li>• Judd Street between Lyndon and Oak</li> <li>• 3<sup>rd</sup> Street between Oak and Lyndon</li> <li>• Lyndon Street between Judd and 3<sup>rd</sup></li> </ul> <p>8/5/13</p>	

				Determine traffic counts pre and post-closing of N. Judd, 4-2-13 postponed until June/July.	
VC Stormwater Study	Dan/Mary	MNDOT Washington County Marine City Engineer	2 <sup>nd</sup> Quarter 2013	<p><i>Budget dollars assigned for feasibility study for 2014, ongoing meeting held to discuss storm water management with PC and select council members, watershed and city engineer.</i></p> <p>Meeting held between Willenbring and Pardon, Vogel unable to attend. Propose next meeting with some key players of the Planning Commission and Watershed. Evaluate the potential of optimizing engineering efforts with the newly proposed stormwater management efforts for the central business and urban residential districts. 8/6/13</p> <p>Waiting to have meeting with Lon P. and Mary V. to address overall city storm water. . Work with Ryan Goodman, City Engineer so he can prepare a proposal to provide a comprehensive stormwater analysis for the area impacting the village center, continue to coordinate meetings with MN/Dot, Watershed and Washington County</p>	

Trail Link to Burris	Tod		Late spring/early summer 2013	<p><i>Grass planted and being watered. Next step is to get some type of trail signage installed, also get media coverage on new trails</i></p> <p>Trail area cleared, fence removed, grass surface proposed, some timbers removed and some still need to be removed. 8/5/13</p> <p>Dan to bring up at council meeting to have the fence and timbers removed, need to determine final trail alignment and surface recommendations 5-3-13. Wait for spring to proceed with trail work; 4-2 do we coordinate with River trail, look at this more in May. Ask volunteers.</p>	
Garbage Dumpsters	Karen/Tod	<p>Springsteen/lumber/Olives building owners</p> <p>Brookside/Bank owners</p>	<p>Define milestone dates</p> <p>Mid April have meetings with business owners</p>	<p><i>Tod sent some information to Reynolds to move this discussion forward</i></p> <p>Tod talked to Reynolds to discuss reducing the container count. Need to look at code requirements and garbage rate structure and City Ordinances. Potential to reduce dumpsters although contrary to # of containers per parcel, modify container count should be only City's contribution. Potential annual savings of \$585. 6/5/13</p> <p>Meet with local business to discuss placement of dumpsters, try to limit impact to city r/w; - Dumpsters, Tod took pictures of 9</p>	

				large dumpsters, all different sizes, survey prepared to interview business owners on their needs. Mary L will get costs per dumpster size and frequency from Lynette	
Grant Application Template . basic information	Kristina/Nancy	Restoration Society Public Safety Department MARLA	By April mtg, make initial contact with partners	<p><i>Kristina is coordinating a grant request with the watershed district for some legacy dollars for storm water mitigation efforts under the proposed Memorandum of Understanding</i></p> <p>No update since May meeting 8/6/13</p> <p>Connect with partners to move this ahead. Denn and restoration society to be contacted again. MARLA says yes/will attend May meeting for VCTF update and how we can interact. K/N to contact Sue to clarify.</p>	

Nancy will serve as accountability WHIP for these projects! Please come with updates at each meeting.