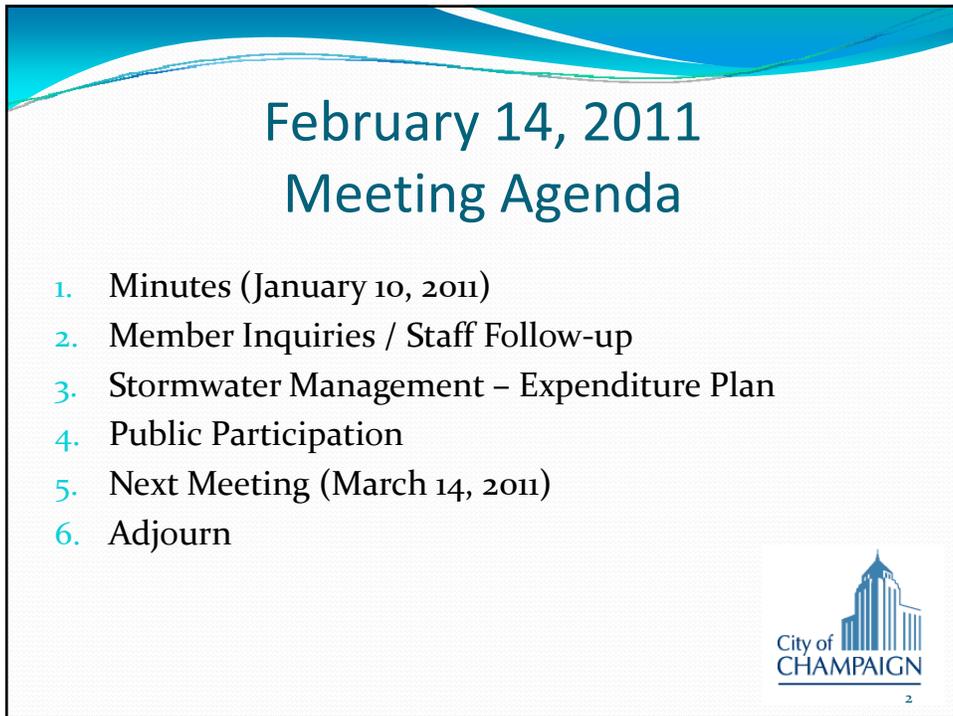




# Stormwater Utility Fee Advisory / Technical Committee Meeting

February 14, 2011  
4 – 5:30 p.m.

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## February 14, 2011 Meeting Agenda

1. Minutes (January 10, 2011)
2. Member Inquiries / Staff Follow-up
3. Stormwater Management – Expenditure Plan
4. Public Participation
5. Next Meeting (March 14, 2011)
6. Adjourn



City of  
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# Stormwater Utility Fee Advisory / Technical Committee Meeting

February 14, 2011

Agenda Item 1

Minutes

January 10, 2011



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January 10, 2011 Minutes to follow.

**City of Champaign, Illinois**  
**Minutes of Meeting**

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**Stormwater Utility Fee Advisory & Technical Committees Meeting**

**January 10, 2011**

**Advisory Committee Members Present:** Donald Agin, Eliana Brown, Clif Carey, Steve Cochran, James Creighton, Jim Jesso, Vic McIntosh

**Advisory Committee Members Absent:** Charles Allen, Jim Bustard, Karen Foster, Chris Hamelburg, Jim Spencer, David Tomlinson, Anna Maria Watkin

**Technical Committee Members Present:** Shawn Luesse, Leslie Lundy, Lorrie Pearson, Andrew Proctor, Mark Toalson

**Technical Committee Members Absent:** None

**City Staff Present:** Dennis Schmidt

**Consultants Present:** Greg Kacvinsky – Foth Infrastructure & Environmental

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**Call to Order**

The meeting was called to order at 4:00 p.m.

**Minutes**

The minutes from December 13, 2010 were approved.

**Member Inquiries/Staff Follow-up**

At the December 13, 2010 meeting, Brown made an inquiry to staff asking if any communities with a stormwater utility fee are combined sanitary/storm sewer systems. The full response is included in the January 10, 2011 Advisory Committee Meeting packet.

**Stormwater Management - Unfunded Needs**

Schmidt made a presentation describing the unfunded needs staff has identified for the Stormwater Management Program.

Brown asked if the City still owes money on Phases I and II of the Boneyard project. Schmidt indicated the City continues to pay for the first two phases of the Boneyard project and this debt will be retired in 2016.

Creighton asked if there are areas within the City of Champaign not utilizing the City's drainage system. Schmidt explained there are some subdivisions that drain directly into the Copper Slough and therefore do not impact the City's drainage infrastructure.

McIntosh asked if there is more concern with how much water a detention basin holds under normal pool or how much water a detention basin holds during a rain event. Schmidt explained the concern is whether the detention basin can hold what it is supposed to hold during and after a rain event. There are also concerns about the inlet and outlet structures.

McIntosh described an instance where tiles collapsed in the subdivision where he resides and the Homeowners Association paid 50% of the repair costs. Cochran asked who paid the other 50%. McIntosh indicated the City of Champaign accepted 50% of the responsibility for repair costs. Schmidt explained this was not common practice. The City had improved Duncan Road which brought additional runoff through the tiles draining to the lake in McIntosh's subdivision. Since the City was utilizing the tiles for drainage that benefitted the City, Council agreed to pay half of the cost of the tile repair. Normally, the Homeowners or Lakeowners Association would be 100% responsible for any issues concerning private detention basins.

Cochran asked if Homeowners Associations are typically aware of their maintenance responsibilities for the private detention basins. Schmidt indicated that in the limited number of cases he has seen, most do not clearly understand the full scope of their maintenance responsibilities. They generally are aware of yearly normal maintenance responsibilities, but are unsure where responsibility lies should a large unexpected problem occur.

Carey asked if the City has addressed the concerns with private basins by revising the subdivision regulations. Schmidt explained that regulations have been modified to address wave action problems seen in some detention basins. However, staff has not yet addressed issues regarding ownership of inlet and outlet structures.

Creighton asked if maintenance on the Phinney Branch and Beaver Lake could become a semi-annual project, since these activities have not been occurring due to lack of funding. Schmidt indicated that the City has been deferring maintenance on these two areas. Staff will find the \$50,000 to perform channel maintenance on these two areas, but it will be at the cost of something else such as storm sewer rehabilitation. Similarly with the Boneyard, staff will find the \$150,000 to perform maintenance, but it will be done at the expense of some other project.

Carey asked if staff has calculated the annual maintenance that would be required if the recommended capital projects were completed (Washington Street West, Phinney Branch Channel Improvements and Boneyard Creek Phase III). Schmidt indicated there are figures for maintenance included in the budgets. Carey then asked if the maintenance costs are included in the bonding. Schmidt said that those costs are not bonded.

Agin asked why the City would take it upon itself to take ownership of private detention pond maintenance. Additionally, Agin asked if there would be a way to recoup maintenance costs from the owners of the ponds. Schmidt explained that it is unlikely the City would take ownership of all private detention basins. If a stormwater utility fee is adopted, residents may be eligible for a credit program assuming they perform detention basin maintenance.

Agin asked how close the City's actual spending is to the projected spending. Schmidt explained this depends upon the age of the study, the approach taken and what amenities are included in the project. Specifically, Schmidt has very little confidence that the remaining five phases of the Boneyard Project will be completed for the projected cost of \$15.3 million. Schmidt is confident in the projected cost for Washington Street West because this is a number from a recent study. However, Schmidt has little confidence in the projected cost for the Phinney Branch, due to age of the study.

Cochran asked if a developer provides cost estimates for maintenance at the time a detention basin is proposed. Luesse explained that when detention basins are built, they are developed based upon subdivision regulations put into place by the City. After they are built, they are bonded for a period of 12-18 months and then inspected by City staff and brought back to original condition, if any deficiencies are found. At this point the HOA assumes responsibility for the detention basin. When buyers purchase lots, they should be aware that they will be part of an HOA and depending upon how the covenants are setup, those in the HOA may be responsible for detention basin maintenance.

### **Public Participation**

There were no questions or comments made by the public.

### **Next Meeting**

McIntosh announced the next meeting will be held February 14, 2011 at 4 p.m. in EC1, which is located in the basement of City Building.

### **Adjourn**

The meeting was adjourned at 5:13 p.m.

# Stormwater Utility Fee Advisory / Technical Committee Meeting

February 14, 2011

## Agenda Item 2

Member Inquiries / Staff Follow-up



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Member Inquiries / Staff Follow-up to follow.

## Agenda Item 2: Member Inquiries / Staff Follow-up

>>> "Brown, C Eliana (Facilities & Services)" <Brown12@oandm.uiuc.edu> 1/12/2011 10:57 AM >>>

Dennis,

To give the survey form to Jack and others for evaluation, I modified it to include annual expenditure amounts based on your presentation. Are these amounts correct? **See edits I made to your form. Please note these amounts are proposed as items for funding. They are not actual expenditures currently taking place.** Is there an annual amount for the first three?

**(I assume you meant the first three capital projects. If my assumption is correct, the annual amount would be \$1.421M. This assumes financing \$20.3M of capital at interest rates similar to the City's 2010 bond issuance.)**

Also, I noticed that we have to rate all of the Capitol Improvement projects as a bundle. This differs from the Existing Expenditure form, which allowed for individual ratings. **(You can unbundle them and rate them individually, if you would like)**

Finally, I wanted more information about what the private stormwater detention basin expenditure (\$0.15M/year) includes. Does this include integrity testing on basin inlets and outlets? Or, does this amount only cover ownership identification? We talked about all these things, but I am unclear on the extent of the proposed program. **(I have not given a lot of thought to this, but it would definitely cover both of the items referenced by you. Also, it would include interviews with HOA's, LOA's, and property owners to understand the problems they are experiencing with detention basins (lakes).)**

Thanks,  
Eliana

**C. Eliana Brown** MS, FE, CPESC, LEED AP  
Environmental Compliance, Facilities & Services  
University of Illinois at Urbana-Champaign  
t: 217.265.0760 | f: 217.333.4294 | e: [brown12@illinois.edu](mailto:brown12@illinois.edu)

## Dennis Schmidt - RE: Unfunded Needs Q & A

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**From:** Dennis Schmidt  
**To:** Brown, C Eliana (Facilities & Services)  
**Date:** 1/14/2011 3:49 PM  
**Subject:** RE: Unfunded Needs Q & A

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Eliana - These are capital projects so the annual debt retirement for all three projects would be \$1,421,000. I did not breakout each individual project debt retirement. If you want that you could do a proportionality and that would get you close. Dennis

>>> "Brown, C Eliana (Facilities & Services)" <Brown12@oandm.uiuc.edu> 1/14/2011 3:35 PM >>>  
 Dennis,  
 Is there an annual estimate for each of these? So, we can compare apples to apples...  
 Thanks  
 Eliana

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**From:** Dennis Schmidt [mailto:SchmIDDJ@ci.champaign.il.us]  
**Sent:** Friday, January 14, 2011 3:30 PM  
**To:** Brown, C Eliana (Facilities & Services)  
**Subject:** RE: Unfunded Needs Q & A

Eliana - The cost for the three projects per the presentation were;

1. Washington Street West.....\$8,694,000
2. Phinney Branch Channel Improvements....\$5,342,000. Per our agreement, the Phinney Branch Drainage District will pay for approximately 20% of the project cost so the City's share of the project would be \$4,274,000
3. Boneyard Creek Improvements -Phase 3.....\$7,300,000.

This totals to \$20,268,000, I rounded this to \$20.3 M

Have a nice weekend.

Dennis

>>> "Brown, C Eliana (Facilities & Services)" <Brown12@oandm.uiuc.edu> 1/14/2011 3:14 PM >>>  
 Dennis,  
 Thanks for your reply. Is there a way to parse out the costs of the three projects individually?

Also, please feel free to distribute our correspondence.

Best,  
 Eliana

**C. Eliana Brown** MS, FE, CPESC, LEED AP  
Environmental Compliance, Facilities & Services  
University of Illinois at Urbana-Champaign  
t: 217.265.0760 | f: 217.333.4294 | e: [brown12@illinois.edu](mailto:brown12@illinois.edu)

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**From:** Dennis Schmidt [mailto:SchmIDDJ@ci.champaign.il.us]  
**Sent:** Friday, January 14, 2011 1:46 PM  
**To:** Brown, C Eliana (Facilities & Services)  
**Subject:** Fwd: Unfunded Needs Q & A

Eliana - Sorry it took me so long to respond to your e-mail concerning the stormwater utility fee.

The first attachment to this e-mail is my responses to your questions in your January 12 e-mail. My responses are in red.

The second attachment are my revisions to the survey form that you created.

Let me know if you have any questions.

I would like to share with all the members of the advisory committee your questions and comments. Do you have a problem with me sharing this e-mail plus attachments with the rest of the committee?

Dennis

>>> Debra Windlan 1/14/2011 7:55 AM >>>

Debra Windlan  
Secretary II  
Public Works Department  
Debra.Windlan@ci.champaign.il.us  
217-403-4703 217-403-4755 (fax)

*The happiest of people don't necessarily have the best of everything; They just make the most of everything they have.*

## Survey Form Stormwater Unfunded Needs

Listed below are unfunded stormwater needs that were identified by City staff. Please rate each activity. The ratings will be used to determine whether or not the unfunded need should be included in the “draft” Expenditure Plan for the stormwater utility fee.

**A. Capital Improvement**

- Washington Street West Project
- Phinney Branch Channel Improvements – Crescent to Mattis
- Boneyard Creek – Phase 3 – Oak Ash Detention Basin to University Avenue
- Definition of Blue & Orange Drainage Problems **\$0.2M/year**

Not Important	Low Priority	No Opinion	Moderate Priority	Top Priority
0	1	2	3	4

**B. Private Stormwater Detention Basins**

- Study and quantify the problem **\$0.15M/year**

Not Important	Low Priority	No Opinion	Moderate Priority	Top Priority
0	1	2	3	4

**C. Channel Maintenance**

- Do more maintenance **\$0.54M/year**  
Increase of **\$0.2M/year**

Not Important	Low Priority	No Opinion	Moderate Priority	Top Priority
0	1	2	3	4

**D. Storm Sewer Rehabilitation**

- Do more rehabilitation **\$0.51M/year**  
**No additional funding cited**

Not Important	Low Priority	No Opinion	Moderate Priority	Top Priority
0	1	2	3	4

**E. Stormwater Quality**

- Budget for new Federal Regulations  
**no additional funding cited.**

Not Important	Low Priority	No Opinion	Moderate Priority	Top Priority
0	1	2	3	4

CGTV – Cable Channel 5  
[www.ci.champaign.il.us/CGTV](http://www.ci.champaign.il.us/CGTV)  
Search for “Storm” to view previously recorded  
Stormwater Utility Fee Advisory Committee meetings

For meeting agendas, minutes, and materials:  
[www.ci.champaign.il.us/publicworks](http://www.ci.champaign.il.us/publicworks)  
Click on “Stormwater Utility Fee” under “Timely Topics”

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Stormwater Utility Fee  
Advisory / Technical  
Committee Meeting

February 14, 2011

Agenda Item 3  
Stormwater Management  
*Expenditure Plan*



City of  
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## *Background Information*

- Expenditure, Revenue, and Billing Plan for a SWUF
- Expenditure Plan
- Existing Expenditures (Oct. & Nov.) – Funded Needs
- Prioritized the Funded Needs – Survey Form
- Unfunded Needs - January
- Prioritized the Unfunded Needs – Survey Form

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## *Today's Goal*

- Develop an Expenditure Plan for a Stormwater Utility Fee
- March 22, 2011, Council Study Session – Council's Input
- To Help Achieve Today's Goal – “Draft” Expenditure Plan(s)
- Just a Starting Point – My Thoughts

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# Questions?



## *"Draft" Expenditure Plan Tools*

1. List of Funded Stormwater Needs – Existing Expenditures (Oct/Nov)

### Funded Stormwater Needs Existing Expenditures

- Debt Retirement ..... \$2,300,000
- Capital Improvement ..... \$0
- Operation, Maintenance, and Rehabilitation Activities (City Crews)..... \$694,000
- Storm Sewer Cleaning and Televising (Contractual)..... \$556,000
- Storm Sewer Pipe and Manhole Repair (Contractual) ..... \$506,000
- Channel Maintenance..... \$339,000
- Intergovernmental Maintenance Agreements  
(Julie, USGS, Encephalitis, Urbana, Saline) ..... \$149,000
- Erosion Control, Grading and Drainage Permit ..... \$97,000
- Stormwater Quality (NPDES Permit Compliance)..... \$188,000
- Service Requests (Private Property Drainage Problems)..... \$131,000
- Hazardous Sump Pumps ..... \$45,000
- Overhead Sewer Program..... \$70,000
- Rain Garden / Rain Barrels..... \$25,000

**Total      \$5,100,000**

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- ## *“Draft” Expenditure Plan Tools*
1. List of Funded Stormwater Needs – Existing Expenditures
  2. Survey Results – Funded Stormwater Needs
- 14

Survey Form Results Funded Stormwater Needs Existing Expenditures		0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority
<b>A. Capital Improvement Expenditures</b>						
1. Debt Retirement				1	3	6
2. Capital Improvement	1	2	1	2	4	
<b>B. Operation, Maintenance, &amp; Rehabilitation (OM&amp;R)</b>						
1. OM&R (City Crews)			2	2	6	
2. Storm Sewer Cleaning & Televising		1			5	5
3. Storm Sewer Pipe & Manhole Repair					6	4
4. Channel Maintenance			2		5	3
<b>5. Intergovernmental Maintenance Agreements</b>						
- JULIE		1	1		5	3
- Encephalitis Program			5	1	1	3
- USGS Stream & Rain Gauges			5	1	3	1
- Saline & Urbana Maintenance Agreements			5	3	1	2
<b>C. Stormwater Quality</b>						
1. Erosion Control, Grading & Drainage Permits			1	1	5	3
2. NPDES Permit Compliance			1	1	4	4
<b>D. Private Property</b>						
1. Service Requests (Private Property Drainage Problems)	1	2			6	2
2. Hazardous Sump Pump - Cost Share	1	5	2		3	
3. Overhead Sewer Program - Cost Share	1	3	2		4	
4. Rain Garden - Cost Share	2	4	2		3	
Orange - Top priority - over 50% of completed forms						
Green - Top priority or moderate priority - over 50% of completed forms						

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## “Draft” Expenditure Plan Tools

1. List of Funded Stormwater Needs – Existing Expenditures
2. Survey Results– Funded Stormwater Needs
3. List of Unfunded Stormwater Needs (January)

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### Unfunded Stormwater Needs

1. Annual Debt Retirement for Additional Capital Projects.....	\$1,421,000
• Washington Street West.....	\$8,700,000
• Phinney Branch Channel Improvements (Crescent to Windsor).....	\$4,300,000
• Boneyard Creek – Phase 3 (University to CNRR) .....	\$7,300,000
<b>Total</b>	<b>\$20,300,000</b>
2. Additional Master Planning	
• Storm Sewer.....	\$200,000
• Private Detention Basins.....	\$150,000
3. Additional Channel Maintenance .....	\$200,000
• Phinney Branch	
• Boneyard Creek Second Street Reach	
4. Additional Storm Sewer Rehabilitation .....	\$0
5. Additional Stormwater Quality.....	\$0

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- ## *“Draft” Expenditure Plan Tools*
1. List of Funded Stormwater Needs – Existing Expenditures
  2. Survey Results – Funded Stormwater Needs
  3. List of Unfunded Stormwater Needs
  4. Survey Results – Unfunded Stormwater Needs
- 18

Survey Form Results Unfunded Stormwater Needs	0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority	Rating each section of A.
<b>A. Capital Improvement</b>						
1. Washington Street West Project						4
2. Phinney Branch Channel Improvements - Crescent to Mattis			1	2	5	3
3. Boneyard Creek - Phase 3 - Oak Ash Detention Basin to University Avenue						3
4. Definition of Blue & Orange Drainage Problems						3
<b>B. Private Stormwater Detention Basins - Master Plan</b>	2		1	4	2	
1. Study and Quantify the Problem						
<b>C. Channel Maintenance</b>		1	4	1	3	
1. Do More Maintenance						
<b>D. Storm Sewer Rehabilitation</b>		3	3	3		
1. Do More Rehabilitation						
<b>E. Stormwater Quality</b>	3	2	1	3		
1. Budget for New Federal Regulations						
Orange - Top priority - over 50% of completed forms						
Green - Top priority or moderate priority over 50% of completed forms						

## *“Draft” Expenditure Plan Tools*

1. List of Funded Stormwater Needs – Existing Expenditures
2. Survey Results – Funded Stormwater Needs
3. List of Unfunded Stormwater Needs
4. Survey Results – Unfunded Stormwater Needs
5. Expenditure Plan Selection Criteria

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## Expenditure Plan Stormwater Needs Selection Criteria

1. Ranked by the Majority of Advisory/Technical Committee as Top or Moderate Priority
2. Would Benefit the Majority of Property Owners
3. Fell within \$2M - \$3 M Expenditure Range – Discussed – City Council

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## Applying Selection Criteria #1

Survey Form Results Funded Stormwater Needs Existing Expenditures	0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority
<b>A. Capital Improvement Expenditures</b>					
1. Debt Retirement			1	3	6
2. Capital Improvement	1	2	1	2	4
<b>B. Operation, Maintenance, &amp; Rehabilitation (OM&amp;R)</b>					
1. OM&R (City Crews)			2	2	6
2. Storm Sewer Cleaning & Televising		1		5	5
3. Storm Sewer Pipe & Manhole Repair				6	4
4. Channel Maintenance			2	5	3
<b>5. Intergovernmental Maintenance Agreements</b>					
- JULIE		1	1	5	3
- Encephalitic Program		5	1	1	3
- USGS Stream & Rain Gauges		5	1	3	1
- Saline & Urban Maintenance Agreements		5	3	1	2
<b>C. Stormwater Quality</b>					
1. Erosion Control, Grading & Drainage Permits		1	1	5	3
2. NPDES Permit Compliance		1	1	4	4
<b>D. Private Property</b>					
1. Service Requests (Private Property Drainage Problems)	1	2		6	2
2. Hazardous Sump Pump – Cost Share	1	5	2	3	
3. Overhead Sewer Program – Cost Share	1	3	2	4	
4. Rain Garden – Cost Share	2	4	2	3	

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# Applying Selection Criteria #1

Survey Form Results Unfunded Stormwater Needs	0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority	Rating each section of A.
<b>A. Capital Improvement</b>						
1. Washington Street West Project						4
2. Phinney Branch Channel Improvements - Crescent to Mattis			1	2	5	3
3. Boneyard Creek - Phase 3 - Oak Ash Detention Basin to University Avenue						3
4. Definition of Blue & Orange Drainage Problems						3
<b>B. Private Stormwater Detention Basins - Master Plan</b>						
1. Study and Quantify the Problem	2		1	4	2	
<b>C. Channel Maintenance</b>						
1. Do More Maintenance		1	4	1	3	
<b>D. Storm Sewer Rehabilitation</b>						
1. Do More Rehabilitation		3	3	3		
<b>E. Stormwater Quality</b>						
1. Budget for New Federal Regulations	3	2	1	3		

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# Applying Selection Criteria #2

Funded Stormwater Needs Existing Expenditures
<b>A. Capital Improvement Expenditures</b>
1. Debt Retirement
2. Capital Improvement
<b>B. Operation, Maintenance, &amp; Rehabilitation (OM&amp;R)</b>
1. OM&R (City Crews)
2. Storm Sewer Cleaning & Televising
3. Storm Sewer Pipe & Manhole Repair
4. Channel Maintenance
5. Intergovernmental Maintenance Agreements
- JULIE
<b>C. Stormwater Quality</b>
2. NPDES Permit Compliance
<b>D. Private Property</b>
1. Service Requests (Private Property Drainage Problems)

Unfunded Stormwater Needs
<b>A. Capital Improvement</b>
1. Washington Street West Project
2. Phinney Branch Channel Improvements - Crescent to Mattis
3. Boneyard Creek - Phase 3 - Oak Ash Detention Basin to University Avenue
4. Definition of Blue & Orange Drainage Problems
<b>B. Private Stormwater Detention Basins - Master Plan</b>
1. Study and Quantify the Problem

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## Applying Selection Criteria #3 \$2M Range

	0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority
<b>A. Funded Stormwater Needs Existing Expenditures</b>					
<b>1. Operation, Maintenance, &amp; Rehabilitation (OM&amp;R)</b>					
- OM&R (City Crews)			2	2	6
- Storm Sewer Cleaning & Televising		1		5	5
- Storm Sewer Pipe & Manhole Repair				6	4
- Channel & Detention Basin Maintenance			2	5	3
- Intergovernmental Maintenance Agreements					
* JULIE		1	1	5	3
<b>2. Stormwater Quality</b>					
- NPDES Permit Compliance		1	1	4	4
<b>3. Private Property</b>					
- Service Requests (Private Property Drainage Problems)	1	2		6	2
<b>B. Unfunded Stormwater Needs</b>					
<b>1. Private Stormwater Detention Basins - Master Plan</b>	2		1	4	2

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### Stormwater Utility Fee Expenditure Plan Low Range (\$2M)

<u>Stormwater Needs</u>	<u>Cost</u>
1. Operation, Maintenance, and Rehabilitation Activities (City Crews).....	\$ 694,000
2. Storm Sewer Cleaning and Televising (Contractual).....	\$ 556,000
3. Storm Sewer Pipe and Manhole Repair (Contractual) .....	<u>\$ 506,000</u>
<b>TOTAL</b>	<b>\$ 1,756,000</b>

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## Applying Selection Criteria #3 \$3M Range

	0 Not Important	1 Low Priority	2 No Opinion	3 Moderate Priority	4 Top Priority
<b>A. Funded Stormwater Needs Existing Expenditures</b>					
<b>1. Operation, Maintenance, &amp; Rehabilitation (OM&amp;R)</b>					
- OM&R (City Crews)			2	2	6
- Storm Sewer Cleaning & Televising		1		5	5
- Storm Sewer Pipe & Manhole Repair				6	4
- Channel & Detention Basin Maintenance			2	5	3
- Intergovernmental Maintenance Agreements					
* JULIE		1	1	5	3
<b>2. Stormwater Quality</b>					
- NPDES Permit Compliance		1	1	4	4
<b>3. Private Property</b>					
- Service Requests (Private Property Drainage Problems)	1	2		6	2
<b>B. Unfunded Stormwater Needs</b>					
1. Private Stormwater Detention Basins - Master Plan	2		1	4	2

### Stormwater Utility Fee Expenditure Plan

<u>Stormwater Management Work Item</u>	<u>Cost</u>
1. Operation, Maintenance, and Rehabilitation Activities (City Crews).....	\$ 694,000
2. Storm Sewer Cleaning and Televising (Contractual).....	\$ 556,000
3. Storm Sewer Pipe and Manhole Repair (Contractual) .....	\$ 506,000
4. Channel Maintenance.....	\$ 339,000
5. JULIE .....	\$ 47,000
6. Stormwater Quality (NPDES Permit Compliance).....	\$ 188,000
7. Service Requests (Private Property Drainage Problems).....	\$ 131,000
8. Private Stormwater Detention Basin – Master Plan.....	\$150,000
<b>TOTAL</b>	<b>\$ 2,611,000</b>

### Stormwater Utility Fee Expenditure Plan

<u>Stormwater Needs</u>	<u>\$2M Range</u>	<u>\$3M Range</u>
1. Operation, Maintenance, and Rehabilitation Activities (City Crews)	\$ 694,000	\$ 694,000
2. Storm Sewer Cleaning & Televising (Contractual)	\$ 556,000	\$ 556,000
3. Storm Sewer Pipe & Manhole Repair (Contractual)	\$ 506,000	\$ 506,000
4. Channel Maintenance	-	\$ 339,000
5. JULIE	-	\$ 47,000
6. Stormwater Quality – NPDES Permit Compliance	-	\$ 188,000
7. Service Requests (Private Property Drainage Problems)	-	\$ 131,000
8. Private Stormwater Detention Basin Master Plan	-	\$ 150,000
<b>TOTAL</b>	<b>\$1,756,000</b>	<b>\$2,611,000</b>

### Stormwater Utility Fee Program Expenditures \$2M Range

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
<b>ADMINISTRATIVE EXPENSES</b>										
1. Utility Fee Implementation Cost Recovery	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
2. Billing Costs	\$ 150,000	\$ 154,500	\$ 159,135	\$ 163,909	\$ 168,826	\$ 173,891	\$ 179,108	\$ 184,481	\$ 190,016	\$ 195,716
3. Administrative Fees	\$ 150,000	\$ 154,500	\$ 159,135	\$ 163,909	\$ 168,826	\$ 173,891	\$ 179,108	\$ 184,481	\$ 190,016	\$ 195,716
4. Utility Fee Credits and Incentives	\$ 100,000	\$ 103,000	\$ 106,090	\$ 109,273	\$ 112,551	\$ 115,927	\$ 119,405	\$ 122,987	\$ 126,677	\$ 130,477
<b>STORMWATER EXPENSES</b>										
1. Operation, Maintenance and Rehabilitation (City Crews)	\$ 694,000	\$ 714,820	\$ 736,265	\$ 758,353	\$ 781,103	\$ 804,536	\$ 828,672	\$ 853,532	\$ 879,138	\$ 905,513
2. Storm Sewer Cleaning and Television (Contractual)	\$ 556,000	\$ 572,680	\$ 589,860	\$ 607,556	\$ 625,783	\$ 644,556	\$ 663,893	\$ 683,810	\$ 704,324	\$ 725,454
3. Storm Sewer Pipe and Manhole Repair (Contractual)	\$ 506,000	\$ 521,180	\$ 536,815	\$ 552,920	\$ 569,507	\$ 586,593	\$ 604,190	\$ 622,316	\$ 640,986	\$ 660,215
<b>TOTAL</b>	<b>\$ 2,256,000</b>	<b>\$ 2,320,680</b>	<b>\$ 2,387,300</b>	<b>\$ 2,455,919</b>	<b>\$ 2,526,597</b>	<b>\$ 2,499,395</b>	<b>\$ 2,574,377</b>	<b>\$ 2,651,608</b>	<b>\$ 2,731,156</b>	<b>\$ 2,813,091</b>
\$s Available for Other Uses	\$ 1,756,000	\$ 1,808,680	\$ 1,862,940	\$ 1,918,829	\$ 1,976,393	\$ 2,035,685	\$ 2,096,756	\$ 2,159,659	\$ 2,224,448	\$ 2,291,182

**NOTES:**  
 1. Fiscal Years FY14 through FY22 assumes a 3% inflation.  
 2. Single Family - \$58.66 per year

## Stormwater Utility Fee Program Expenditures \$3M Range

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
<b>ADMINISTRATIVE EXPENDITURES</b>										
1. Utility Fee Implementation Cost Recovery	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
2. Billing Costs	\$ 200,000	\$ 206,000	\$ 212,180	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
3. Administrative Fees	\$ 200,000	\$ 206,000	\$ 212,180	\$ 218,545	\$ 225,102	\$ 231,855	\$ 238,810	\$ 245,975	\$ 253,354	\$ 260,955
4. Utility Fee Credits and Incentives	\$ 100,000	\$ 103,000	\$ 106,090	\$ 109,273	\$ 112,551	\$ 115,927	\$ 119,405	\$ 122,987	\$ 126,677	\$ 130,477
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>STORMWATER EXPENDITURES</b>										
1. Operation, Maintenance and Rehabilitation (City Crews)	\$ 694,000	\$ 714,820	\$ 736,265	\$ 758,353	\$ 781,103	\$ 804,536	\$ 828,672	\$ 853,532	\$ 879,138	\$ 905,513
2. Storm Sewer Cleaning and Television (Contractual)	\$ 556,000	\$ 572,680	\$ 589,860	\$ 607,556	\$ 625,783	\$ 644,556	\$ 663,893	\$ 683,810	\$ 704,324	\$ 725,454
3. Storm Sewer Pipe and Manhole Repair (Contractual)	\$ 506,000	\$ 521,180	\$ 536,815	\$ 552,920	\$ 569,507	\$ 586,593	\$ 604,190	\$ 622,316	\$ 640,986	\$ 660,215
4. Channel Maintenance	\$ 339,000	\$ 349,170	\$ 359,645	\$ 370,434	\$ 381,547	\$ 392,994	\$ 404,784	\$ 416,927	\$ 429,435	\$ 442,318
5. JULIE	\$ 47,000	\$ 48,410	\$ 49,862	\$ 51,358	\$ 52,899	\$ 54,486	\$ 56,120	\$ 57,804	\$ 59,538	\$ 61,324
6. Stormwater Quality (NPDES Permit Compliance)	\$ 188,000	\$ 193,640	\$ 199,449	\$ 205,433	\$ 211,596	\$ 217,944	\$ 224,482	\$ 231,216	\$ 238,153	\$ 245,297
7. Service Requests (Private Property Drainage Problems)	\$ 131,000	\$ 134,930	\$ 138,978	\$ 143,147	\$ 147,442	\$ 151,865	\$ 156,421	\$ 161,113	\$ 165,947	\$ 170,925
8. Master Plan Subdivision Detention Basins	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$ 3,211,000	\$ 3,149,830	\$ 3,241,325	\$ 3,317,019	\$ 3,407,530	\$ 3,500,756	\$ 3,496,778	\$ 3,595,682	\$ 3,697,552	\$ 3,802,479
\$'s Available for Other Uses	\$ 2,611,000	\$ 2,534,830	\$ 2,610,875	\$ 2,689,201	\$ 2,769,877	\$ 2,852,973	\$ 2,938,563	\$ 3,026,720	\$ 3,117,521	\$ 3,211,047

**NOTES:**  
 1. Fiscal Years FY14 through FY22 assumes a 3% inflation.  
 2. Single Family - \$83.49 per year

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## Additional Stormwater Maintenance & Capital Projects (\$2M Range)

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
\$'s Available for Other Uses	\$ 1,756,000	\$ 1,808,680	\$ 1,862,940	\$ 1,918,829	\$ 1,976,393	\$ 2,035,685	\$ 2,096,756	\$ 2,159,659	\$ 2,224,448	\$ 2,291,182	
<b>ADDITIONAL PROJECTS</b>											
<b>COST</b>											
1. Additional Channel Maintenance (e.g. Boneyard 2nd St. Reach, Phinney Branch - Mattis to Scottsdale, etc.)	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,000,000
2. Washington Street West - Drainage Improvements	\$ 8,700,000	\$ 1,556,000	\$ 1,608,680	\$ 1,662,940	\$ 1,718,829	\$ 1,776,393	\$ 377,158				\$ 8,700,000
3. Kaskaskia Watershed Master Plan	\$ 200,000					\$ 200,000					\$ 200,000
4. Phinney Branch Channel Improvements (Winsor to Crescent)	\$ 4,300,000					\$ 1,258,527	\$ 1,896,756	\$ 1,144,717			\$ 4,300,000
5. Boneyard Creek Improvements - Phase 3	\$ 7,300,000							\$ 850,942	\$ 2,024,448	\$ 2,091,182	\$ 4,966,572
<b>TOTAL EXPENDITURES</b>	\$ 1,756,000	\$ 1,808,680	\$ 1,862,940	\$ 1,918,829	\$ 1,976,393	\$ 2,035,685	\$ 2,096,756	\$ 2,159,659	\$ 2,224,448	\$ 2,291,182	
<b>BALANCE</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**NOTE:**  
 1. Assumption was made that capital projects would be "pay as you go".

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## Additional Stormwater Maintenance & Capital Projects (\$3M Range)

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
\$'s Available for Other Uses	\$ 2,611,000	\$ 2,534,830	\$ 2,610,875	\$ 2,689,201	\$ 2,769,877	\$ 2,852,973	\$ 2,938,563	\$ 3,026,750	\$ 3,177,521	\$ 3,211,047	
<b>ADDITIONAL PROJECTS</b>	<b>COST</b>										
1. Additional Channel Maintenance (e.g. Boneyard 2nd St. Reach, Phinney Branch - Mattis to Scotsdale, etc.)	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,000,000
2. Washington Street West - Drainage Improvements	\$ 8,700,000	\$ 2,411,000	\$ 2,334,830	\$ 2,410,875	\$ 1,543,295						\$ 8,700,000
3. Kaskaskia Watershed Master Plan	\$ 200,000			\$ 200,000							\$ 200,000
4. Phinney Branch Channel Improvements (Windsor to Crescent)	\$ 4,300,000			\$ 745,906	\$ 2,569,877	\$ 984,217					\$ 4,300,000
5. Boneyard Creek Improvements - Phase 3	\$ 7,300,000					\$ 1,668,756	\$ 2,738,563	\$ 2,826,750	\$ 65,931		\$ 7,300,000
<b>TOTAL EXPENDITURES</b>	\$ 2,611,000	\$ 2,534,830	\$ 2,610,875	\$ 2,689,201	\$ 2,769,877	\$ 2,852,973	\$ 2,938,563	\$ 3,026,750	\$ 265,931	\$ 200,000	
<b>BALANCE</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,911,590	\$ 3,011,047

NOTE:  
1. Assumption was made that capital projects would be "pay as you go".

# Questions?

