

# **Storm Water Utility Capital Projects**

## **Planning**

The Capital Improvements Plan (CIP) Budget is updated annually. The CIP is a plan for the reconstruction of aging infrastructure to reduce all types of flooding and storm water issues. As part of preparing the CIP, the storm water systems are evaluated for adequacy and replacement requirements. The engineering staff of the storm water utility develops recommendations for the CIP based on review of citizen's complaints and consultation with the operations staff. These recommendations then go through a review process that includes the Director of Public Works, the City Manager, and finally the Columbia City Council.

Various evaluation tools are utilized to make the recommendations outlined in the annual CIP. These include evaluation of development, annexations, growth patterns, communications with citizens, and the need to upgrade smaller size infrastructure and/or replace older lines due to a history of storm water problems.

In addition, an active preventive maintenance program is in place that can identify problem areas that may require inclusion in the CIP. This program includes:

- 1.) Annual inspections of storm water detention facilities.
- 2.) Inspection of storm water systems.
- 3.) Video inspection of smaller storm water systems.
- 4.) Cooperation and compliance with State operated agencies such as the Department of Natural Resources

## **Funding**

Funding for the storm water CIP program is by enterprise revenue created by voters in 1991. The City will also continue to look for grant opportunities to support this capital plan and a possible increase to the storm water charges.

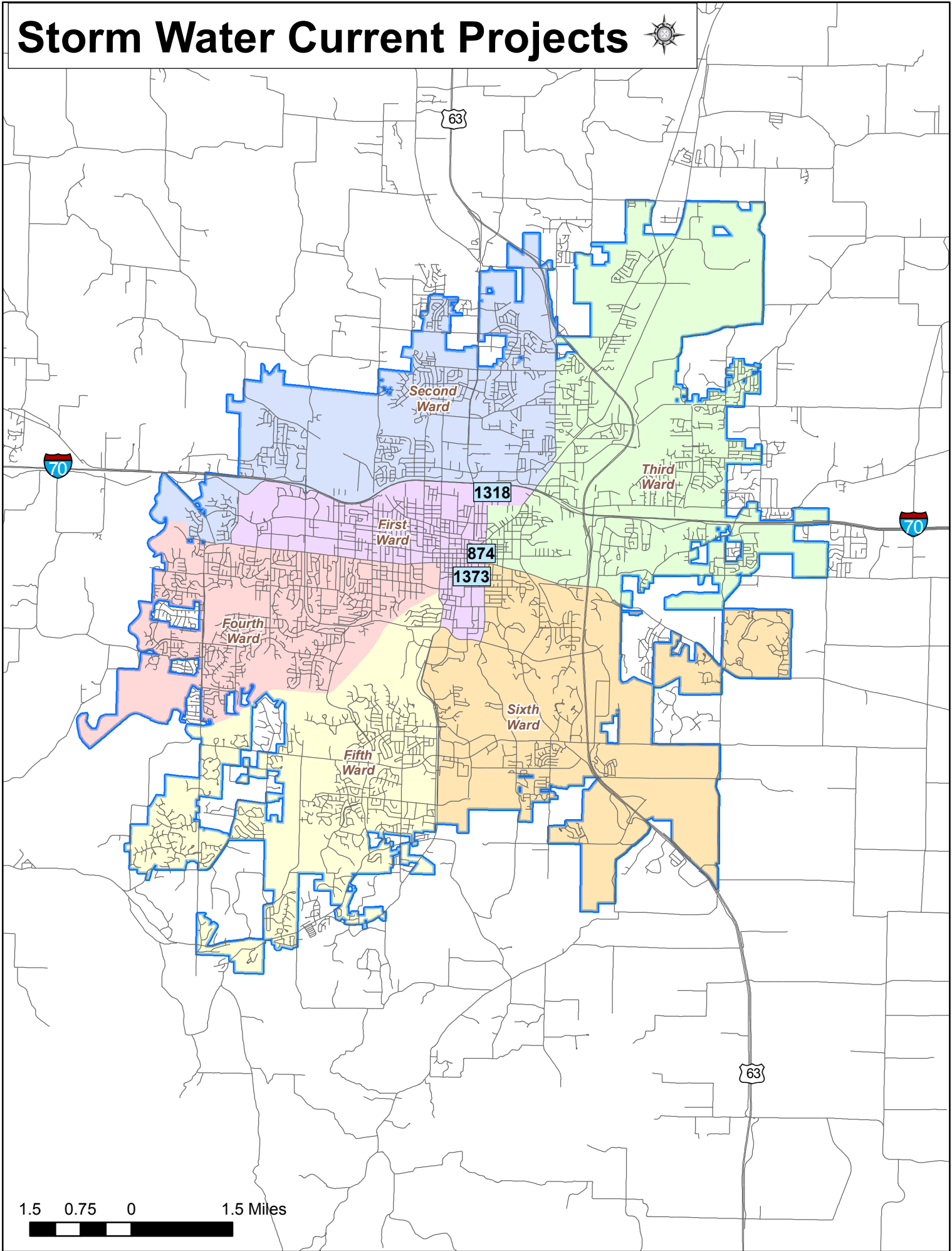
The City continues to work with developers and community leaders to ensure proper stormwater controls are being addressed.

CH2M HILL completed an engineering study of the City's Storm Water Utility and CIP program in 2008. This study determined that the Storm Utility's current rate structure is not generating sufficient revenues to adequately support the Storm Water CIP program. The Storm Water Utility will need to address this funding situation in order to repair/replace aging infrastructure and complete CIP identified in the budget.

In 2011, ERC, Inc. completed a Cost of Service Study for the Storm Water Utility, recommending a rate structure and business plan to address revenue needs. Different funding options are being explored for the Storm Water Utility.

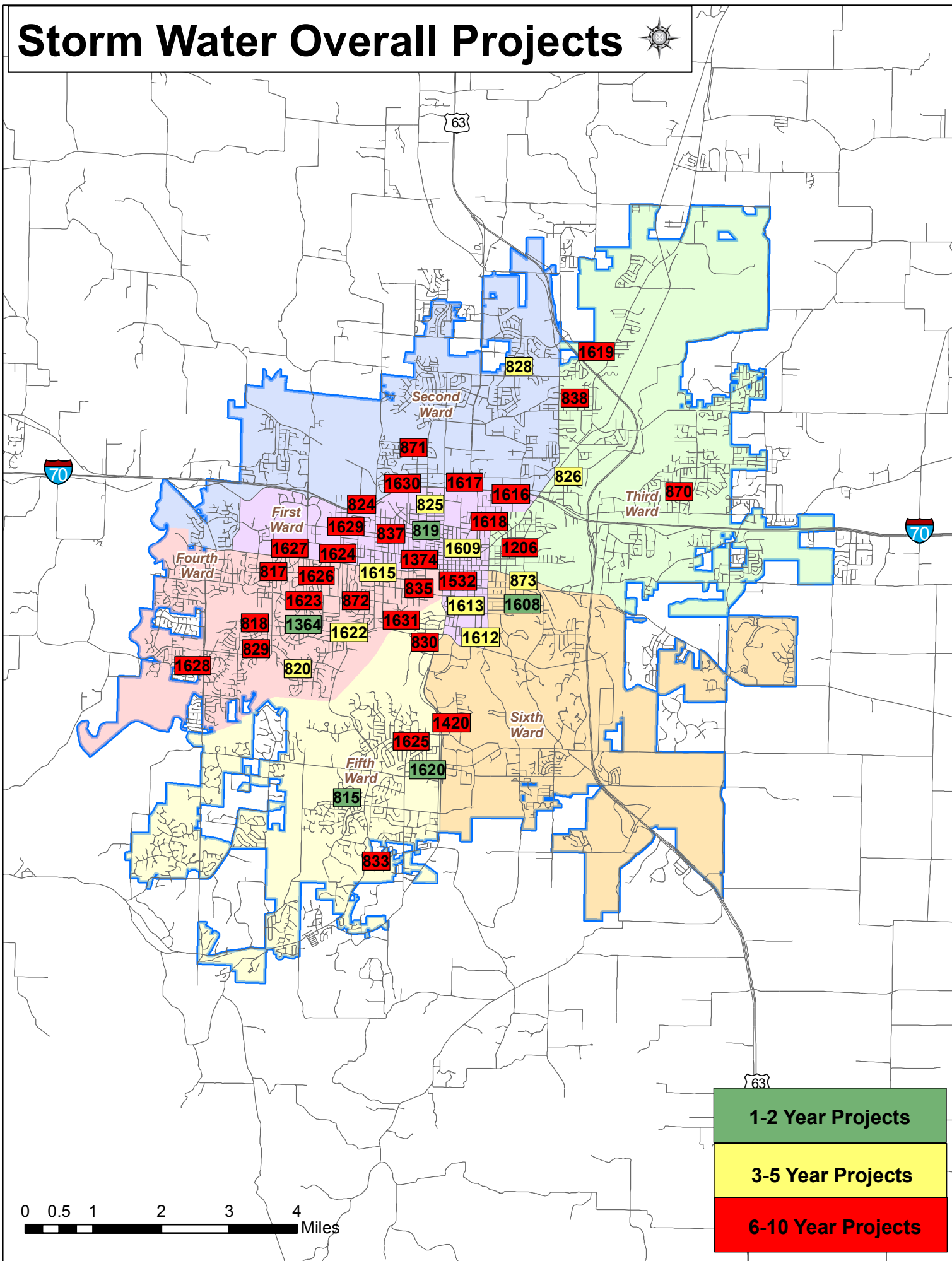


# Storm Water Current Projects





# Storm Water Overall Projects





## Storm Water CIP Projects

Project Name	Status	Ward	Begin Construction	Total Appropriated	Funding Still Needed	Unfunded/Future Ballot Amount
<b>Annual</b>						
1 Annual CAM Projects [ID: 1611]	On-going	All				\$250,000
2 Annual Downtown Tree Planters [ID: 1621]	On-going	1				\$125,000
3 Annual Floodplain Mapping [ID: 1614]	On-going	All				\$250,000
4 Annual Projects - C49017 [ID: 839]	On-going	Citywide		\$3,205	\$670,000	\$1,330,000
5 Annual Property Acquisition [ID: 1726]	On-going	All				\$250,000
5 Projects				\$3,205	\$670,000	\$2,205,000

Project Name	Status	Ward	Begin Construction	Total Project Cost	Funding Still Needed	Unfunded/Future Ballot Amount
<b>Current</b>						
1 Ash & Hubble [ID: 874]	Final Design	1	2013	\$155,000		
2 Grissum Bldg Water Quality Improvements C49102 [ID: 1318]	Construction	1	2012	\$254,745	\$25,000	
3 Hitt and Elm C49099 [ID: 1373]	Final Design	1	2013	\$87,000		
3 Projects				\$496,745	\$25,000	\$0

<b>1-2 Years</b>						
1 Garth @ Oak Tower C49110 [ID: 819]	Proposed	1	2015	\$420,000	\$400,000	\$400,000
2 Mill Creek Phase 3 C49111 [ID: 1620]	Proposed	5	2015	\$210,000	\$200,000	\$200,000
3 Rollins Rd at Rock Creek [ID: 1364]	Proposed	4	2015	\$500,000	\$500,000	\$500,000
4 Royal Lytham - Fallwood C49090 [ID: 815]	Preliminary Design	5	2015	\$410,000	\$376,500	\$376,500
5 Stormwater Master Plan [ID: 1039]	Proposed	NA	2015	\$400,000	\$400,000	\$400,000
6 Wilson Ross C49112 [ID: 1608]	Final Design	6	2015	\$155,000	\$150,000	\$150,000
6 Projects				\$2,095,000	\$2,026,500	\$2,026,500

<b>3-5 Years</b>						
1 Calvert Drive [ID: 1612]	Proposed	3	2016	\$700,000	\$700,000	\$700,000
2 Capri Estates Drainage [ID: 828]	Proposed	2	2018	\$350,000	\$350,000	\$350,000
3 East Downtown [ID: 1613]	Proposed	1	2017	\$1,500,000	\$1,500,000	\$1,500,000
4 Flat Branch System Inventory Model [ID: 1609]	Proposed	1	2017	\$400,000	\$400,000	\$400,000
5 Greenwood Stewart Phase 2 [ID: 1615]	Proposed	4	2018	\$1,600,000	\$1,600,000	\$1,600,000
6 Lakshire Estates Lake Modification [ID: 1622]	Proposed	3	2016	\$150,000	\$150,000	\$150,000
7 Martinshire Drive [ID: 820]	Proposed	4	2018	\$250,000	\$250,000	\$250,000
8 Rockhill Rd [ID: 873]	Proposed	6	2018	\$550,000	\$550,000	\$550,000
9 Sexton/McBaine Drainage [ID: 825]	Proposed	1	2017	\$265,500	\$265,500	\$265,500
10 Vandiver/Sylvan Storm Drainage [ID: 826]	Proposed	3	2017	\$2,450,000	\$2,450,000	\$2,450,000
10 Projects				\$8,215,500	\$8,215,500	\$8,215,500

<b>6-10 Years</b>						
1 Alan Lane [ID: 870]	Proposed	3	2021	\$240,000	\$240,000	\$240,000
2 Bourn Avenue [ID: 1623]	Proposed	4	2021	\$650,000	\$650,000	\$650,000
3 Braemore Drainage [ID: 817]	Proposed	4	2022	\$275,000	\$275,000	\$275,000
4 Bray/Longwell Drainage [ID: 818]	Proposed	4	2020	\$250,000	\$250,000	\$250,000
5 English/Subella/Jake Drainage [ID: 829]	Proposed	4	2022	\$180,000	\$180,000	\$180,000
6 Garth-Jewell [ID: 1617]	Proposed	1	2021	\$250,000	\$250,000	\$250,000
7 Gillespie Bridge Road [ID: 1628]	Proposed	5	2022	\$600,000	\$600,000	\$600,000
8 Grasslands-Brandon Drainage [ID: 830]	Proposed	4	2021	\$1,100,000	\$1,100,000	\$1,100,000
9 Greenwood South [ID: 1631]	Proposed	4	2021	\$200,000	\$200,000	\$200,000



## Storm Water CIP Projects

Project Name	Status	Ward	Begin Construc- tion	Total Project Cost	Funding Still Needed	Unfunded/ Future Ballot Amount
<b>6-10 Years</b>						
10 Hickman & 6th & 7th [ID: 1618]	Proposed	1	2021	\$950,000	\$950,000	\$950,000
11 Hinkson Avenue [ID: 1206]	Proposed	3	2022	\$300,000	\$300,000	\$300,000
12 Kelly Detention Retrofit C49108 [ID: 1420]	Proposed	6	2019	\$300,000	\$180,000	\$180,000
13 Leawood Subdivision [ID: 1627]	Proposed	4	2022	\$1,775,000	\$1,775,000	\$1,775,000
14 Mary Jane Jamesdale [ID: 1619]	Proposed	3	2021	\$150,000	\$150,000	\$150,000
15 Mill Creek Detention Retrofits [ID: 1625]	Proposed	5	2021	\$300,000	\$300,000	\$300,000
16 Nebraska Avenue [ID: 1616]	Proposed	1	2021	\$350,000	\$350,000	\$350,000
17 Old Plank Storm Drainage - South Side [ID: 833]	Proposed	5	2021	\$162,000	\$162,000	\$162,000
18 Parkade Blvd and Plaza [ID: 1630]	Proposed	1	2021	\$350,000	\$350,000	\$350,000
19 Proctor Drive [ID: 871]	Proposed	2	2021	\$600,000	\$600,000	\$600,000
20 Rockingham - E. Briarwood [ID: 1626]	Proposed	4	2022	\$550,000	\$550,000	\$550,000
21 Rollins/Cowan/Ridge Drainage [ID: 872]	Proposed	4	2022	\$170,000	\$170,000	\$170,000
22 Seventh and Locust [ID: 1374]	Proposed	1	2021	\$1,200,000	\$1,200,000	\$1,200,000
23 Sexton Road at Jackson [ID: 824]	Proposed	1	2019	\$315,000	\$315,000	\$315,000
24 Sixth & Elm Storm Drain Replacement C49109 [ID: 1532]	Proposed	1	2019	\$727,500	\$700,000	\$700,000
25 Stewart Park Drainage [ID: 835]	Proposed	1	2019	\$92,000	\$92,000	\$92,000
26 Wayne Road [ID: 837]	Proposed	1	2022	\$68,000	\$68,000	\$68,000
27 West Briarwood [ID: 1624]	Proposed	4	2021	\$250,000	\$250,000	\$250,000
28 Woodland-Northridge Drainage [ID: 838]	Proposed	3	2021	\$400,000	\$400,000	\$400,000
29 Worley Again East [ID: 1629]	Proposed	1	2021	\$1,400,000	\$1,400,000	\$1,400,000
29 Projects				\$14,154,500	\$14,007,000	\$14,007,000
<b>53 Total Projects</b>				<b>\$24,964,950</b>	<b>\$24,944,000</b>	<b>\$26,454,000</b>



## Garth @ Oak Tower C49110

**Description:**

Replace existing box culvert

Ward	Begin Design	Begin Construction
1	2014	2015
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$400,000
<b>Total Appropriated:</b>		\$20,000
<b>Total City Project Cost:</b>		\$420,000
<b>Est. Project Balance: 10/01/2013</b>		\$20,000

**Current Status:**

10/17/13: Design will begin if the 2013 Storm Water Ballot is approved or if funding becomes available in FY2015

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot and Enterprise Revenue

**Master Plan:**

FY	Eligible Funding Sources	Amount
2014	Ent Rev	\$20,000
2015	Future Ballot	\$400,000
		<u>\$420,000</u>





## Mill Creek Phase 3 C49111

**Description:**

Improve flooding intersection of Valencia & El Cortez.  
Install water quality improvements.

**Ward**

5

**Begin Design**

2014

**Begin Construction**

2015

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$200,000

**Total Appropriated:**

\$10,000

**Total City Project Cost:**

\$210,000

**Est. Project Balance: 10/01/2013**

\$10,000

**Current Status:**

10/17/13: Design will begin if funding becomes available in FY2015

**Factors Effecting Timing/Completion of Project:**

Funding, weather, easements

**Eligible Funding Sources:**

Future Ballot and Enterprise Revenue

**Master Plan:****FY****Eligible Funding Sources****Amount**

2014

Ent Rev

\$10,000

2015

Future Ballot

\$200,000

\$210,000





## Rollins Rd at Rock Creek

**Description:**

Replace failing corrugated metal pipe

**Ward**

4

**Begin Design**

2015

**Begin Construction**

2015

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$500,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$500,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13 - Future Project

**Factors Effecting Timing/Completion of Project:**

Funding and weather

**Eligible Funding Sources:**

Future ballot

**FY**

2015

**Eligible Funding Sources**

Future Ballot

**Amount**

\$500,000

\$500,000

**Master Plan:**



## Royal Lytham - Fallwood C49090

**Description:**

Reconstruct existing stormwater system to reduce flooding issues, including water quality improvements

**Ward**

5

**Begin Design**

2010

**Begin Construction**

2015

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$376,500

**Total Appropriated:**

\$33,500

**Total City Project Cost:**

\$410,000

**Est. Project Balance: 10/01/2013**

\$10,963

**Current Status:**

10/17/13: Maintenance of downstream channel performed in September. Design will begin if funding becomes available in FY2015

**Factors Effecting Timing/Completion of Project:**

Funding, permits

**Eligible Funding Sources:**

Enterprise Revenue and Future Ballot

**FY****Eligible Funding Sources****Amount**

2014

Ent Rev

\$10,000

2015

Future Ballot

\$376,500

\$386,500

**Master Plan:**

Royal Lytham - Fallwood C49090



## Stormwater Master Plan

**Description:**

Stormwater Utility Master Plan - Watershed studies

**Ward**

NA

**Begin  
Design**

2015

**Begin  
Construction**

2015

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$400,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$400,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2015

**Eligible Funding Sources**

Future Ballot

**Amount**

\$400,000

\$400,000

**Master Plan:**



## Wilson Ross C49112

**Description:**

Replace undersized, failing box pipes, create an overflow section, replace failing pipes.

Ward	Begin Design	Begin Construction
6	2014	2015
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$150,000
<b>Total Appropriated:</b>		\$5,000
<b>Total City Project Cost:</b>		\$155,000
<b>Est. Project Balance: 10/01/2013</b>		\$5,000

**Current Status:**

10/17/13: Design is 95% complete. In the process of acquiring easements, but some property owners have not donated easements for PPCE; therefore, plan to take before Council to determine if we should continue project or place funds towards other project(s). Will need \$140,000 to construct project if it moves forward this fiscal year.

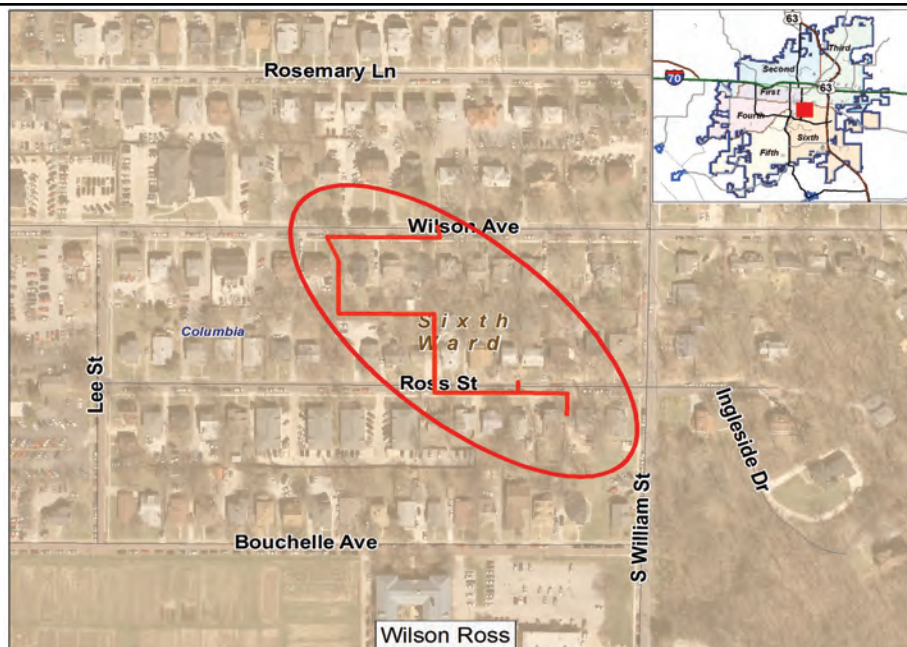
**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot and Enterprise Revenue

FY	Eligible Funding Sources	Amount
2014	Ent Rev	\$5,000
2015	Future Ballot	\$150,000
		<u>\$155,000</u>

**Master Plan:**



**Calvert Drive****Description:**

Install a large water quality cell to assist with stormwater management at Sylvan and Vandiver/Quail. Potential "hot spot" area for the Hinkson Creek.

**Ward**

3

**Begin Design**

2015

**Begin Construction**

2016

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$700,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$700,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2015

Future Ballot

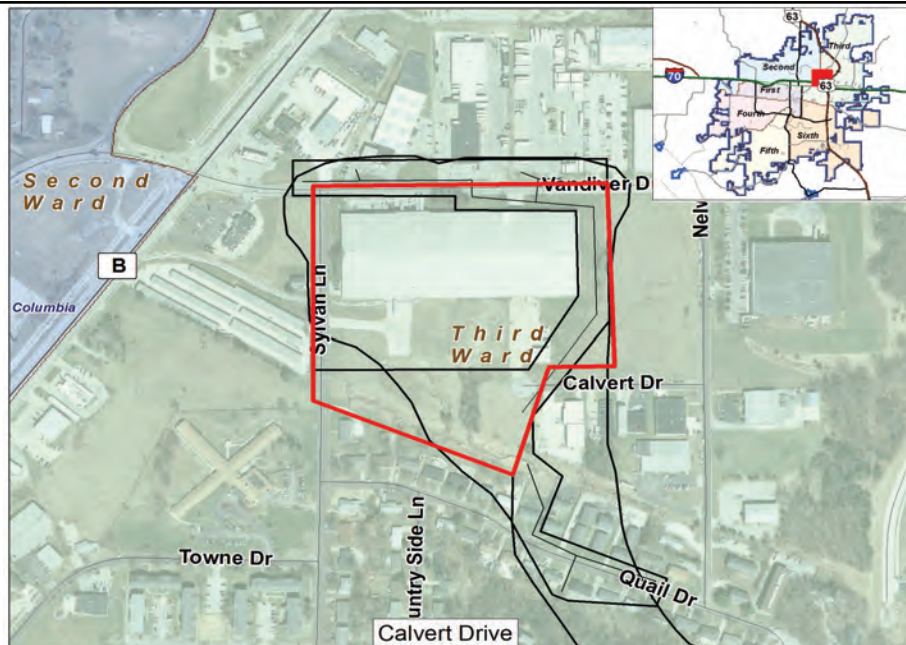
\$100,000

2016

Future Ballot

\$600,000

\$700,000

**Master Plan:**



Capri Estates Drainage		
Ward	Begin Design	Begin Construction
2	2018	2018
Eligible for Percent for Arts?		No
Current Funding Request:		\$350,000
Total Appropriated:		\$0
Total City Project Cost:		\$350,000
Est. Project Balance: 10/01/2013		\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

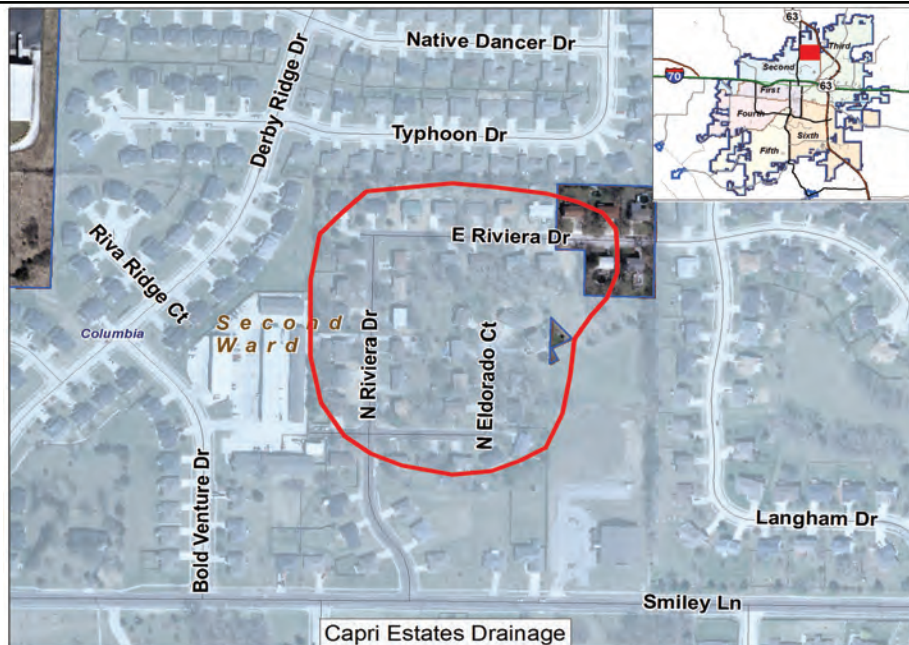
Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2018	Future Ballot	\$350,000
		\$350,000





## East Downtown

**Description:**

Replace failing and undersized CMP from Hitt and Elm to College and Elm. Include water quality improvements.

**Ward**

1

**Begin Design**

2015

**Begin Construction**

2017

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$1,500,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$1,500,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2015

Future Ballot

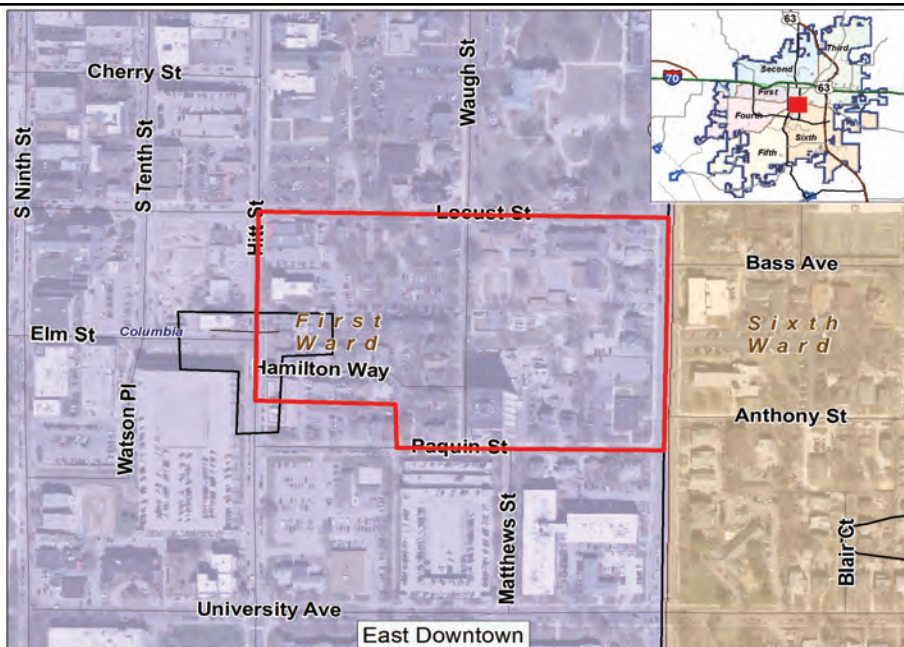
\$150,000

2017

Future Ballot

\$1,350,000

\$1,500,000

**Master Plan:**



## Flat Branch System Inventory Model

**Description:**

Inspection and assessment of the existing enclosed Flat Branch drainage system. Develop a model to prioritize what improvements are needed to eliminate structure and street flooding and what water quality improvements may be possible.

**Ward**

1

**Begin Design**

2017

**Begin Construction**

2017

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$400,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$400,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2017

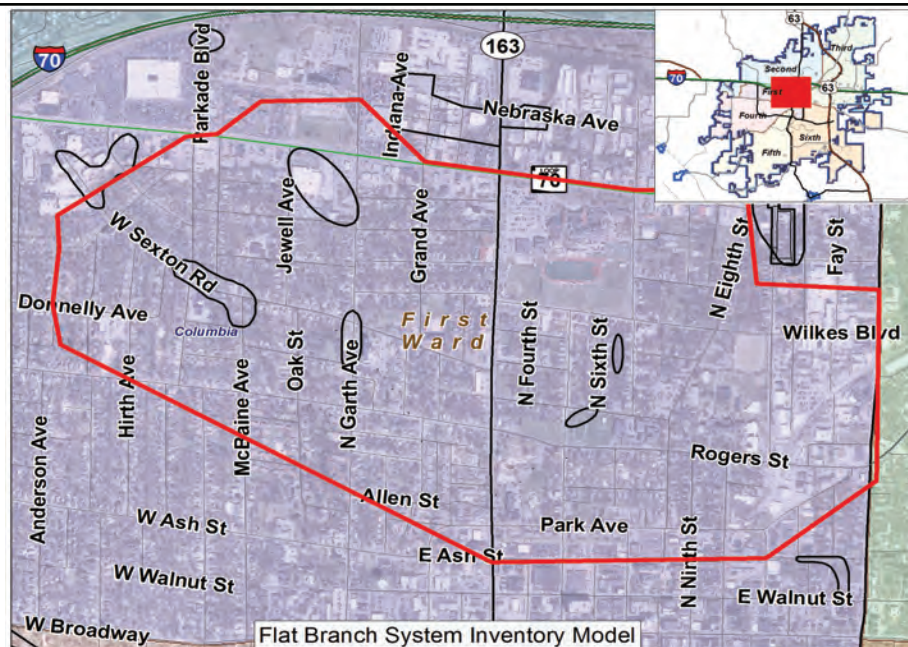
**Eligible Funding Sources**

Future Ballot

**Amount**

\$400,000

\$400,000

**Master Plan:**



## Greenwood Stewart Phase 2

**Description:**

Replace failing Reinforced Concrete Box (RCB) on new alignment and extend system to address other flooding issues. Use Low Impact Development (LID) retrofits to address flooding issues.

**Ward**

4

**Begin Design**

2018

**Begin Construction**

2018

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$1,600,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$1,600,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Preliminary

**Factors Effecting Timing/Completion of Project:**

Funding, Easements, Weather

**Eligible Funding Sources:**

Future Ballot

**FY**

2018

**Eligible Funding Sources**

Future Ballot

**Amount**

\$1,600,000

\$1,600,000

**Master Plan:**



## Lakshire Estates Lake Modification

**Description:**

Rehabilitate dam to reduce risk of flooding and dam failure. Improve outlet and spillway to provide water quality benefit to Hinkson. Plant natives around pond edge.

**Ward**

3

**Begin Design**

2016

**Begin Construction**

2016

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$150,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$150,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, weather

**Eligible Funding Sources:**

Future Ballot

**FY**

2016

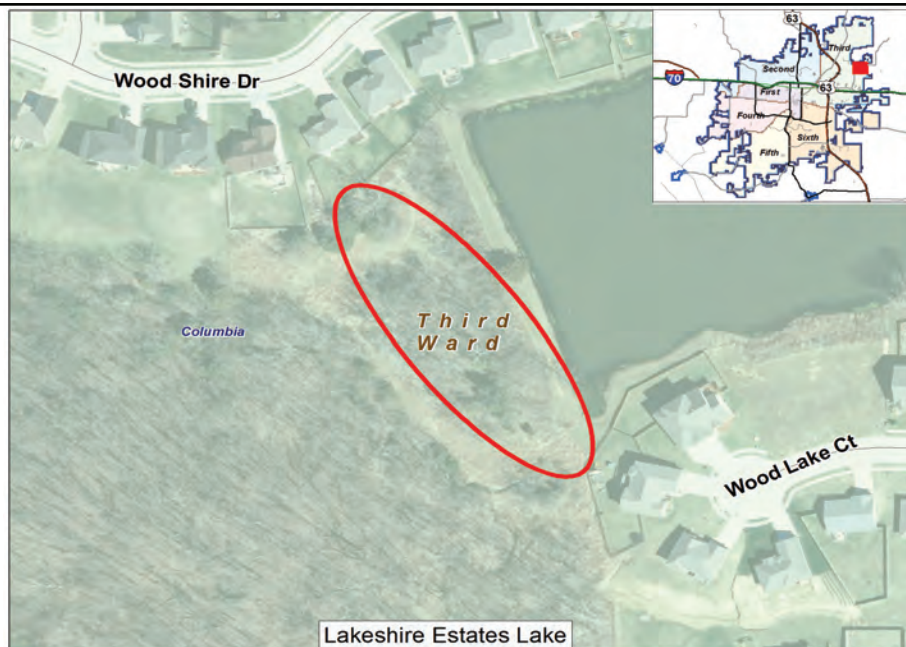
**Eligible Funding Sources**

Future Ballot

**Amount**

\$150,000

\$150,000

**Master Plan:**



**Martinshire Drive****Description:**

Reconstruct existing stormwater system and water quality improvements.

**Ward**

4

**Begin Design**

2018

**Begin Construction**

2018

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$250,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$250,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2018

**Eligible Funding Sources**

Future Ballot

**Amount**

\$250,000

\$250,000

**Master Plan:**



## Rockhill Rd

**Description:**

Replace pipe/inlets-needs channel work to protect street

**Ward**

6

**Begin Design**

2018

**Begin Construction**

2018

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$550,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$550,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13:Future project

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**FY**

2018

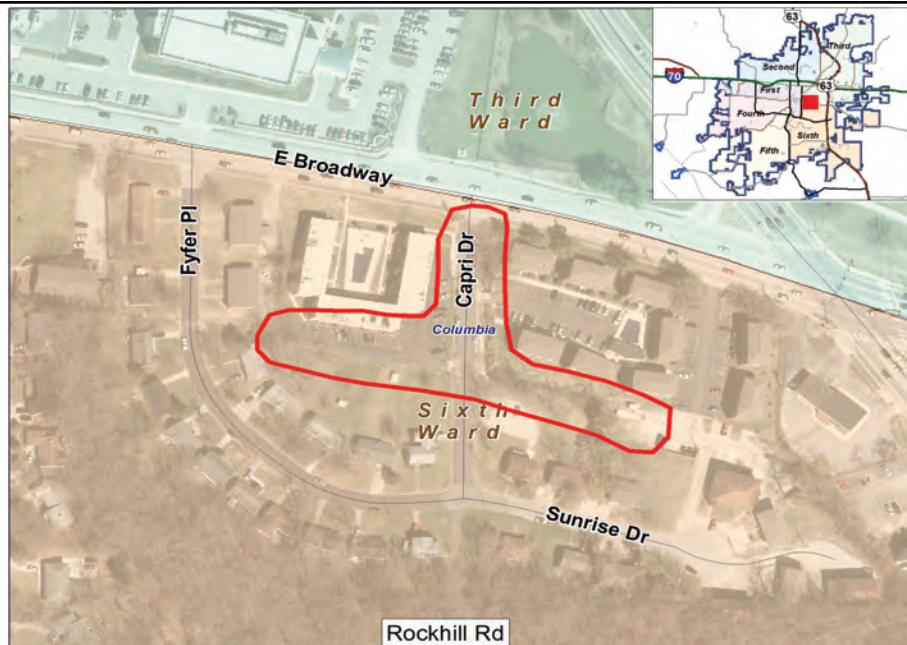
**Eligible Funding Sources**

Future Ballot

**Amount**

\$550,000

\$550,000

**Master Plan:**



**Sexton/McBaine Drainage****Description:**

Replace existing storm water drain to reduce flooding issues.

**Ward**

1

**Begin Design**

2017

**Begin Construction**

2017

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$265,500

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$265,500

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2017

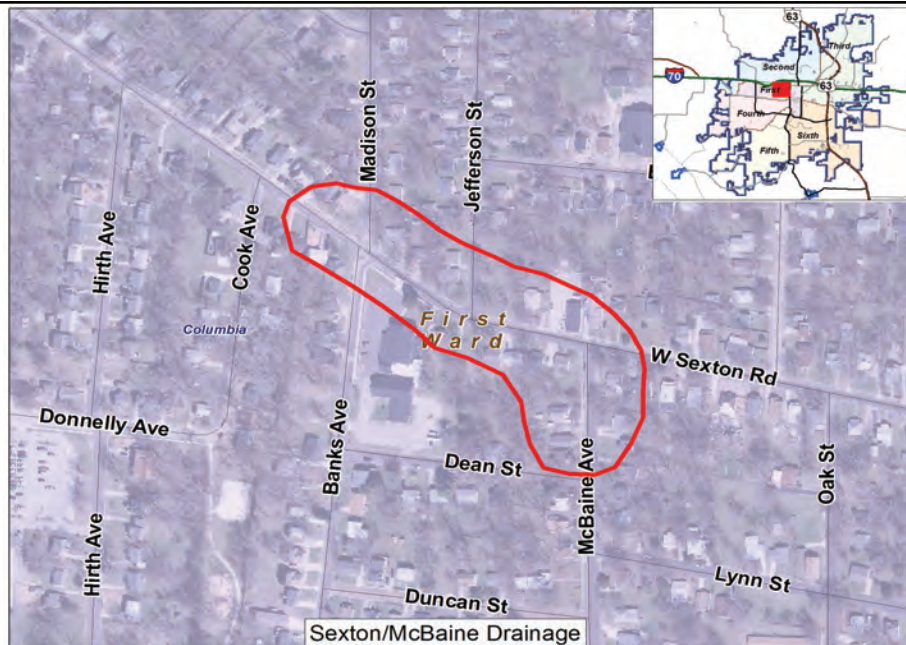
**Eligible Funding Sources**

Future Ballot

**Amount**

\$265,500

\$265,500

**Master Plan:**



## Vandiver/Sylvan Storm Drainage

**Description:**

Reconstruction of storm water drainage on major arterial to relieve flooding. Includes water quality improvements.

**Ward**

3

**Begin Design**

2015

**Begin Construction**

2017

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$2,450,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$2,450,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2015

Future Ballot

\$250,000

2016

Future Ballot

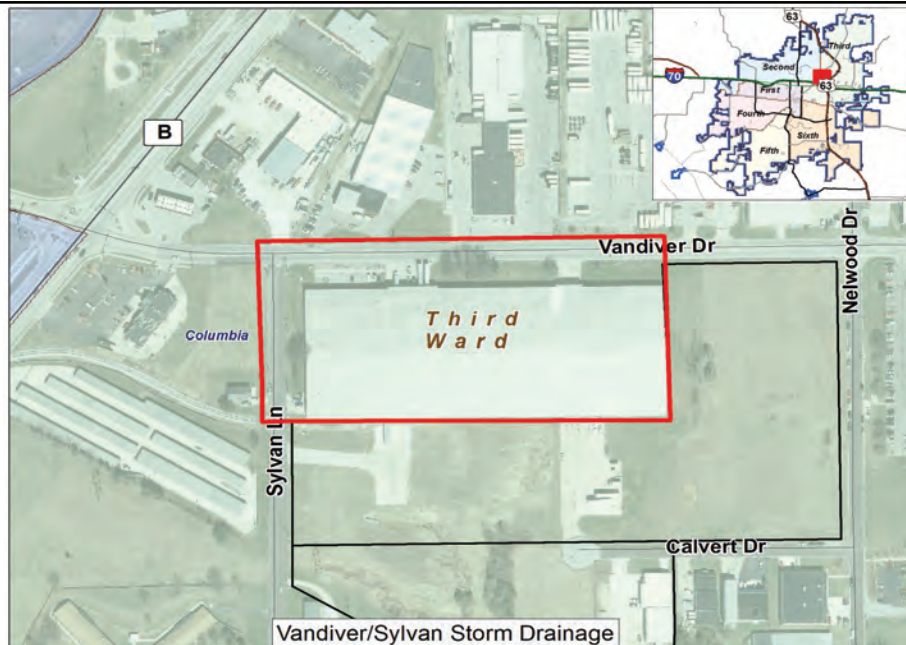
\$1,700,000

2017

Future Ballot

\$500,000

\$2,450,000





## Alan Lane

**Description:**

Inlet/pipe/channel upgrade

This is an old drainage system that is deteriorated and undersized and needs to be replaced.

**Ward**

3

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$240,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$240,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future Project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2021

**Eligible Funding Sources**

Future Ballot

**Amount**

\$240,000

\$240,000

**Master Plan:**



**Bourn Avenue****Description:**

Replacement of failing pipes and inlets, address some open channel concerns, install water quality improvements.

**Ward**

4

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$650,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$650,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2020

Future Ballot

\$65,000

2021

Future Ballot

\$585,000

\$650,000

**Master Plan:**



**Braemore Drainage****Description:**

Reconstruct under sized existing stormwater system to reduce flooding issues. Includes water quality improvements.

**Ward**

4

**Begin Design**

2021

**Begin Construction**

2022

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$275,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$275,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2021

Future Ballot

\$27,500

2022

Future Ballot

\$247,500

\$275,000





**Bray/Longwell Drainage****Description:**

Swale modification and pipe extension to fix flooding problem in area

**Ward**

4

**Begin Design**

2019

**Begin Construction**

2020

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$250,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$250,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2019

Future Ballot

\$25,000

2020

Future Ballot

\$225,000

\$250,000

**Master Plan:**



English/Subella/Jake Drainage		Ward	Begin Design	Begin Construction
		4	2021	2022
<b>Description:</b> Upgrade existing system. Reconstruct existing stormwater system to reduce flooding issues.		<b>Eligible for Percent for Arts?</b>	No	
		<b>Current Funding Request:</b>	\$180,000	
		<b>Total Appropriated:</b>	\$0	
		<b>Total City Project Cost:</b>	\$180,000	
		<b>Est. Project Balance: 10/01/2013</b>	\$0	

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding and RoW

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2021	Future Ballot	\$18,000
2022	Future Ballot	\$162,000
		<hr/> \$180,000





**Garth-Jewell****Description:**

Replace failing infrastructure under the buildings, install water quality improvements.

**Ward**

1

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$250,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$250,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, weather, easements

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2020

Future Ballot

\$25,000

2021

Future Ballot

\$225,000

\$250,000

**Master Plan:**



## Gillespie Bridge Road

**Description:**

Replace undersized CMP. May require road to be raised.

Ward	Begin Design	Begin Construction
5	2021	2022
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$600,000
<b>Total Appropriated:</b>		\$0
<b>Total City Project Cost:</b>		\$600,000
<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

FY	Eligible Funding Sources	Amount
2021	Future Ballot	\$60,000
2022	Future Ballot	\$540,000
		<hr/> \$600,000

**Master Plan:**



## Grasslands-Brandon Drainage

**Description:**

Improve existing open channel system

**Ward**

4

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$1,100,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$1,100,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding, property owners, weather

**Eligible Funding Sources:**

Future Stormwater Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

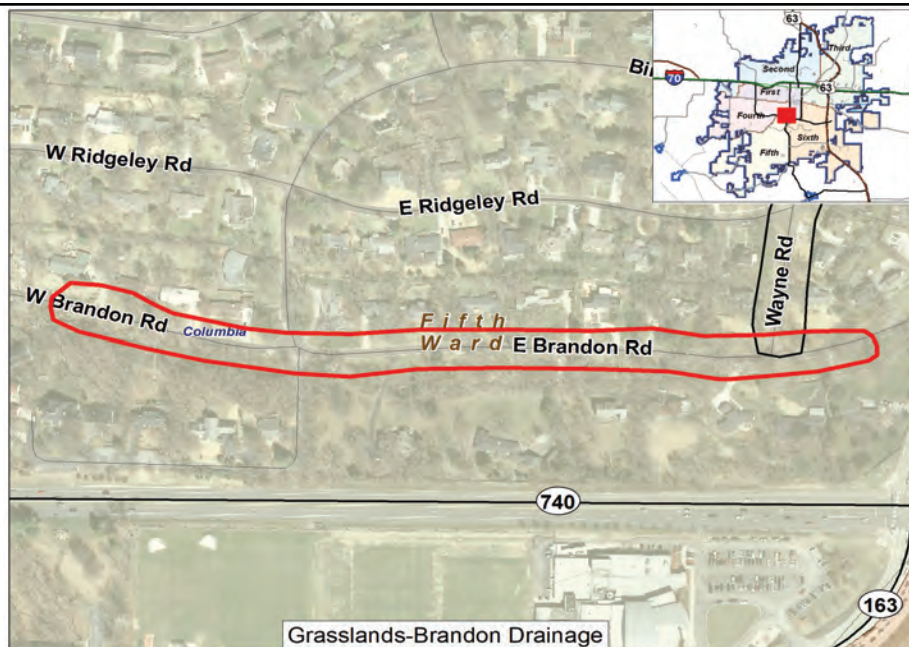
\$100,000

2021

Future Ballot

\$1,000,000

\$1,100,000





## Greenwood South

**Description:**

Replace failing CMP, address flooding concerns and erosion at outlet.

**Ward**

4

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$200,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$200,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

\$20,000

2021

Future Ballot

\$180,000

\$200,000





**Hickman & 6th & 7th****Description:**

Replace undersized, failing box culvert, create an overflow section, replace failing pipes. Install water quality improvements.

**Ward**

1

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$950,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$950,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

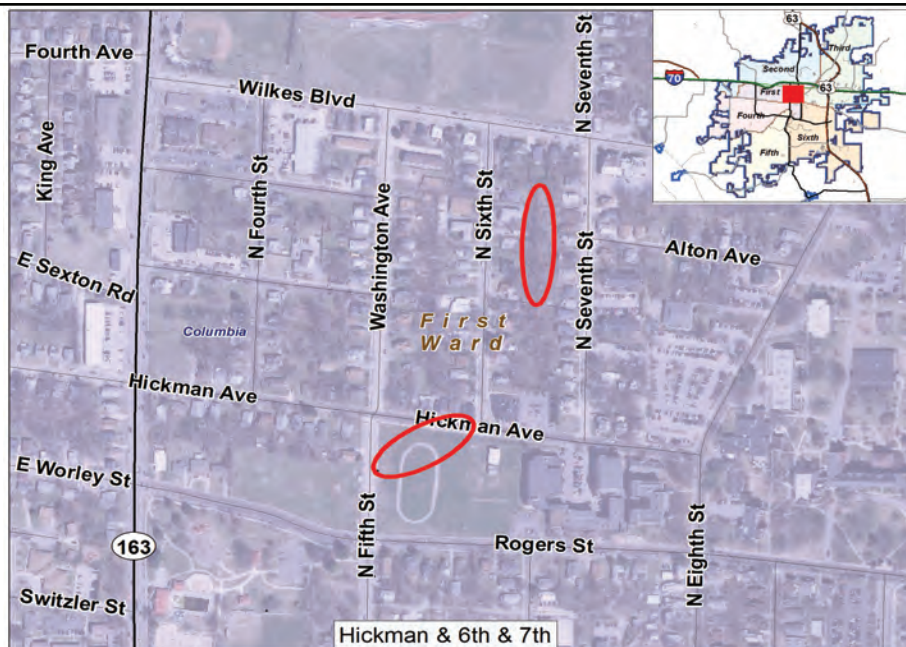
\$100,000

2021

Future Ballot

\$850,000

\$950,000





## Hinkson Avenue

**Description:**

Design and replace undersized system from Ann and Amelia to Hinkson Ave and Old 63, including Stephens Stables.

**Ward**

3

**Begin Design**

2020

**Begin Construction**

2022

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$300,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$300,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future Project

**Factors Effecting Timing/Completion of Project:**

funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2022

**Eligible Funding Sources**

Future Ballot

**Amount**

\$300,000

\$300,000

**Master Plan:**



## Kelly Detention Retrofit C49108

**Description:**

Enhance existing detention basins to improve water quality

**Ward**

6

**Begin Design**

2013

**Begin Construction**

2019

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$180,000

**Total Appropriated:**

\$120,000

**Total City Project Cost:**

\$300,000

**Est. Project Balance: 10/01/2013**

\$89,991

**Current Status:**

10/17/13: To be surveyed

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY**

2019

**Eligible Funding Sources**

Future Ballot

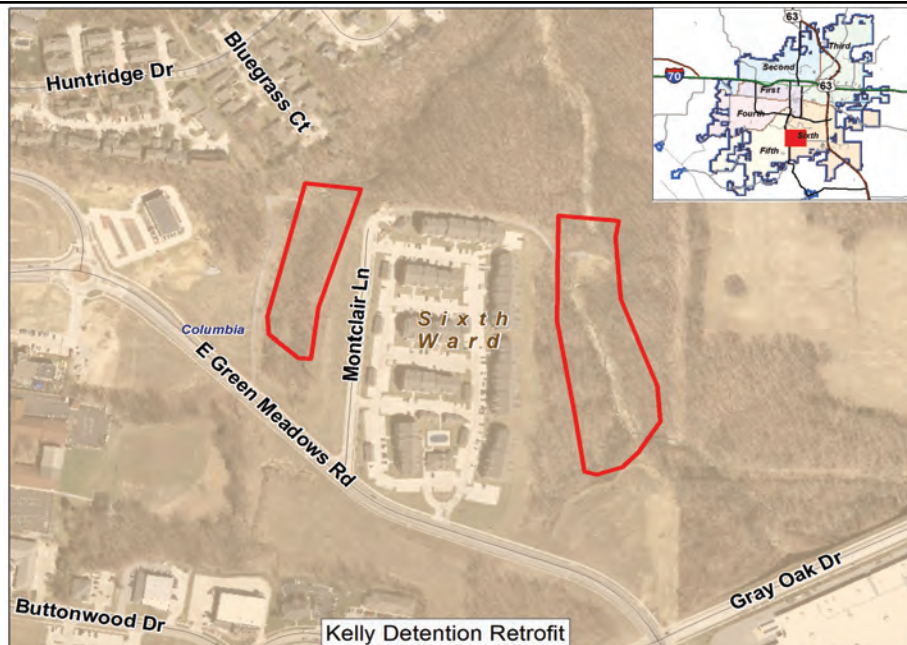
**Amount**

\$180,000

\$180,000

**Master Plan:**

None





## Leawood Subdivision

**Description:**

Replace undersized CMP system that is failing.  
 Extend storm drainage system to alleviate flooding.  
 Install water quality improvements. In coordination or follow up to the Braemore project.

**Ward**

4

**Begin Design**

2021

**Begin Construction**

2022

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$1,775,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$1,775,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2021

Future Ballot

\$177,500

2022

Future Ballot

\$1,597,500

\$1,775,000

**Master Plan:**



## Mary Jane Jamesdale

**Description:**

Alleviate street flooding and erosion issues.

**Ward**

3

**Begin  
Design**

2020

**Begin  
Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$150,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$150,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

\$15,000

2021

Future Ballot

\$135,000

\$150,000





Mill Creek Detention Retrofits	Ward	Begin Design	Begin Construction
	5	2020	2021
<b>Description:</b> Retrofit detention basins on PUD properties for the water quality storm.	<b>Eligible for Percent for Arts?</b>		No
	<b>Current Funding Request:</b>		\$300,000
	<b>Total Appropriated:</b>		\$0
	<b>Total City Project Cost:</b>		\$300,000
	<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**  
10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2020	Future Ballot	\$30,000
2021	Future Ballot	\$270,000
		<hr/> \$300,000





## Nebraska Avenue

**Description:**

Replace undersized system to alleviate severe street flooding. Use water quality retrofits to address possible "hot spot" concerns.

Ward	Begin Design	Begin Construction
1	2020	2021
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$350,000
<b>Total Appropriated:</b>		\$0
<b>Total City Project Cost:</b>		\$350,000
<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**

10/17/13: Preliminary

**Factors Effecting Timing/Completion of Project:**

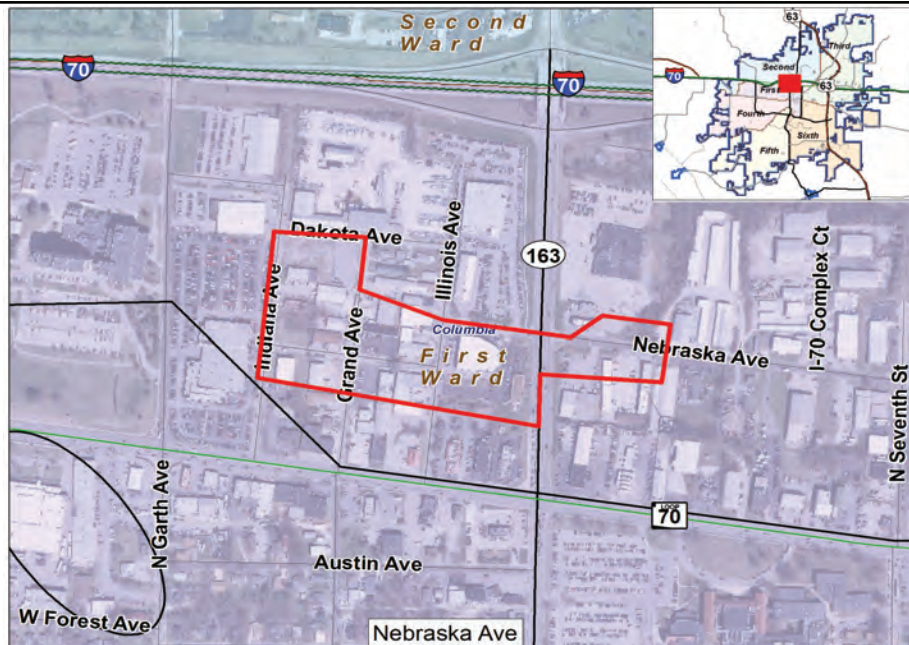
Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2020	Future Ballot	\$50,000
2021	Future Ballot	\$300,000
		<hr/>
		\$350,000





## Old Plank Storm Drainage - South Side

**Description:**

Improve roadside ditches to handle stormwater

**Ward**

5

**Begin  
Design**

2020

**Begin  
Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$162,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$162,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding, development

**Eligible Funding Sources:**

Future Ballot

**FY**

2021

**Eligible Funding Sources**

Future Ballot

**Amount**

\$162,000

\$162,000

**Master Plan:**



Parkade Blvd and Plaza		Ward	Begin Design	Begin Construction
		1	2020	2021
<b>Description:</b> Replace undersized and failing system and install detention and water quality improvements.		<b>Eligible for Percent for Arts?</b>		No
		<b>Current Funding Request:</b>		\$350,000
		<b>Total Appropriated:</b>		\$0
		<b>Total City Project Cost:</b>		\$350,000
		<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**  
10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**  
Funding, easements, weather

Eligible Funding Sources:	FY	Eligible Funding Sources	Amount
Future Ballot	2020	Future Ballot	\$35,000
	2021	Future Ballot	\$315,000
			\$350,000
<b>Master Plan:</b>			





**Proctor Drive****Description:**

Culvert replacement due to street flooding.

**Ward**

2

**Begin  
Design**

2020

**Begin  
Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$600,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$600,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

\$60,000

2021

Future Ballot

\$540,000

\$600,000





## Rockingham - E. Briarwood

**Description:**

Replace undersized CMP system that is failing. Backyard flooding to be addressed. Install water quality improvements to help culvert at Rollins Road.

**Ward**

4

**Begin Design**

2021

**Begin Construction**

2022

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$550,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$550,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2021

Future Ballot

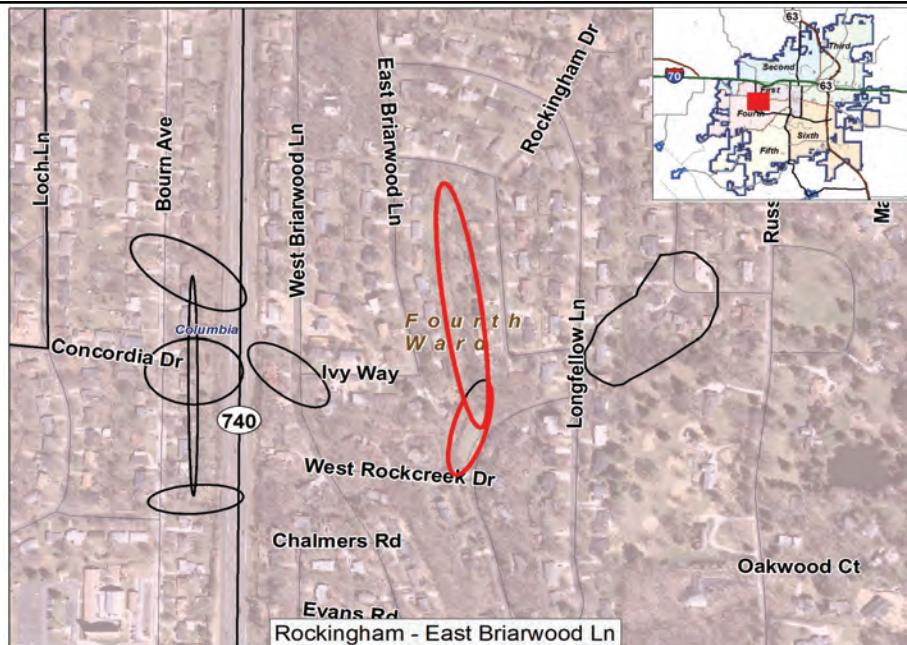
\$55,000

2022

Future Ballot

\$495,000

\$550,000





## Rollins/Cowan/Ridge Drainage

**Description:**

Inlet/pipe replacement

**Ward**

4

**Begin Design**

2021

**Begin Construction**

2022

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$170,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$170,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2021

Future Ballot

\$17,000

2022

Future Ballot

\$153,000

\$170,000





Seventh and Locust		
Ward	Begin Design	Begin Construction
1	2021	2021
<b>Description:</b> Replace failing rock box. Help protect building at 7th and Cherry from flooding. Add water quality treatment - tree planters or other devices - to system to 8th & Cherry.		
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$1,200,000
<b>Total Appropriated:</b>		\$0
<b>Total City Project Cost:</b>		\$1,200,000
<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**

10/17/13: Future Project

**Factors Effecting Timing/Completion of Project:**

Funding and Weather

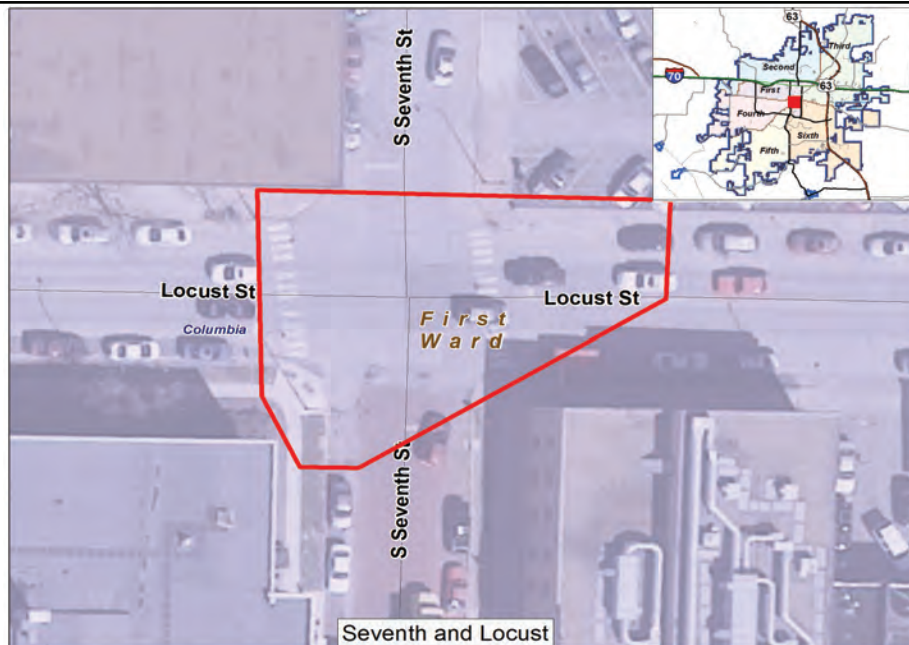
**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

None

FY	Eligible Funding Sources	Amount
2021	Future Ballot	\$1,200,000
		\$1,200,000





Sexton Road at Jackson		Ward	Begin Design	Begin Construction
		1	2019	2019
<b>Description:</b> Replace existing stormwater system to reduce flooding issues.		<b>Eligible for Percent for Arts?</b>		No
		<b>Current Funding Request:</b>		\$315,000
		<b>Total Appropriated:</b>		\$0
		<b>Total City Project Cost:</b>		\$315,000
		<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**  
10/17/13: Future Project

**Factors Effecting Timing/Completion of Project:**  
Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2019	Future Ballot	\$315,000
		\$315,000





### Sixth & Elm Storm Drain Replacement C49109

**Description:**

This proposed project involves replacing approximately 320 feet of 60-inch by 48-inch reinforced concrete box (RCB) between S. Fifth Street and S. Sixth Street near Elm Street. The existing RCB is approximately 100 years old and is in poor structural condition.

Ward	Begin Design	Begin Construction
1	2013	2019
<b>Eligible for Percent for Arts?</b>		No
<b>Current Funding Request:</b>		\$700,000
<b>Total Appropriated:</b>		\$27,500
<b>Total City Project Cost:</b>		\$727,500
<b>Est. Project Balance: 10/01/2013</b>		\$27,500

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Easements, funding and weather

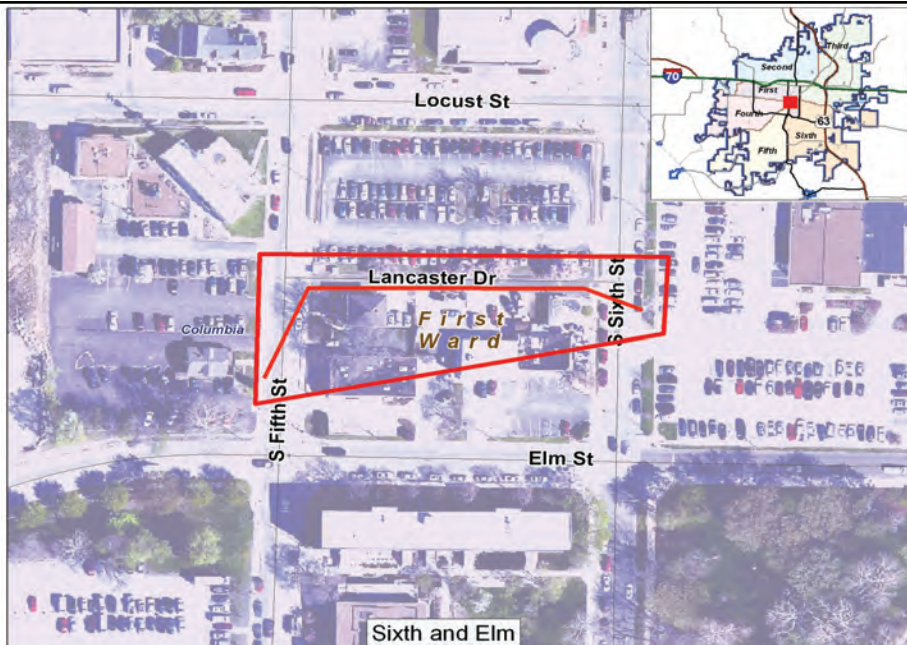
**Eligible Funding Sources:**

Future Ballot

FY	Eligible Funding Sources	Amount
2019	Future Ballot	\$700,000
		\$700,000

**Master Plan:**

none





## Stewart Park Drainage

**Description:**

Drainage improvements/erosion stabilization

**Ward**

1

**Begin  
Design**

2019

**Begin  
Construction**

2019

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$92,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$92,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding, Board of Directors of the park

**Eligible Funding Sources:**

Future Ballot

**FY**

2019

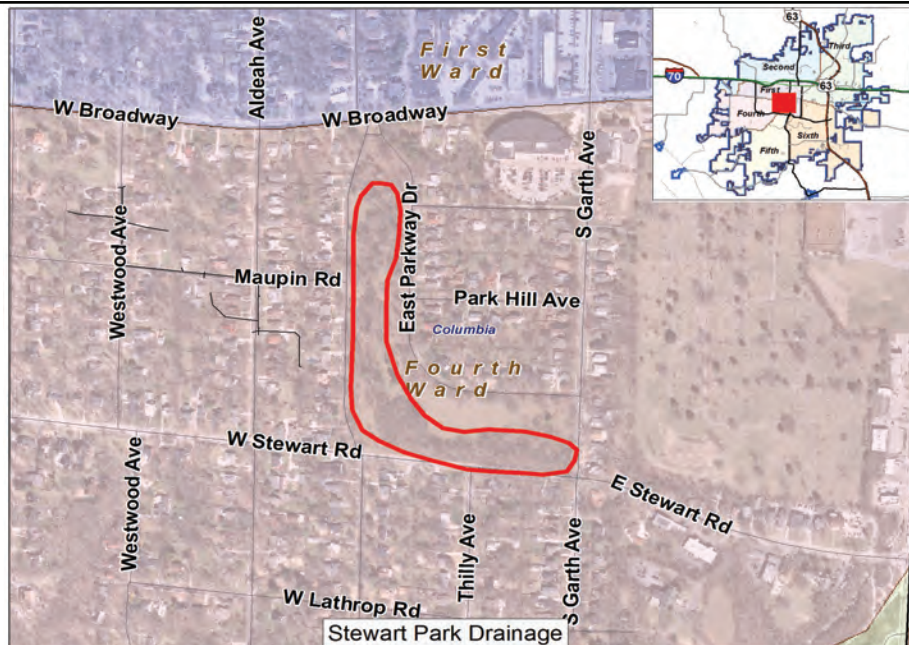
**Eligible Funding Sources**

Future Ballot

**Amount**

\$92,000

\$92,000

**Master Plan:**



Wayne Road	Ward	Begin Design	Begin Construction
	1	2021	2022
<b>Description:</b> Reconstruct existing storm water system in Grasslands	<b>Eligible for Percent for Arts?</b>		No
	<b>Current Funding Request:</b>		\$68,000
	<b>Total Appropriated:</b>		\$0
	<b>Total City Project Cost:</b>		\$68,000
	<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

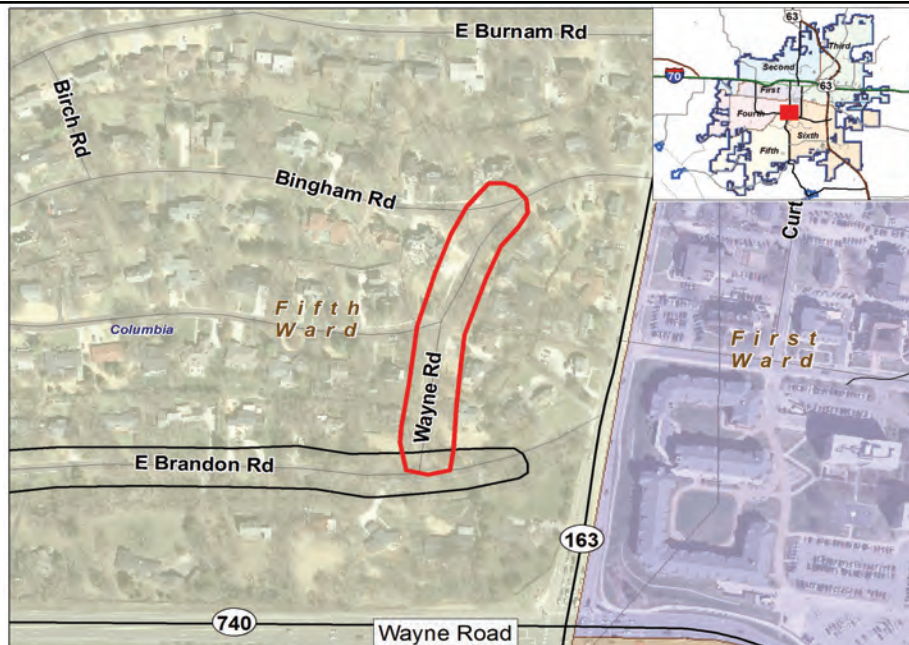
Funding

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2022	Future Ballot	\$68,000
		\$68,000





## West Briarwood

**Description:**

Alleviate structure flooding and street flooding.  
Address open channel issues and failing retaining wall. Include water quality improvements.

**Ward**

4

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$250,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$250,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**

Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:****FY****Eligible Funding Sources****Amount**

2020

Future Ballot

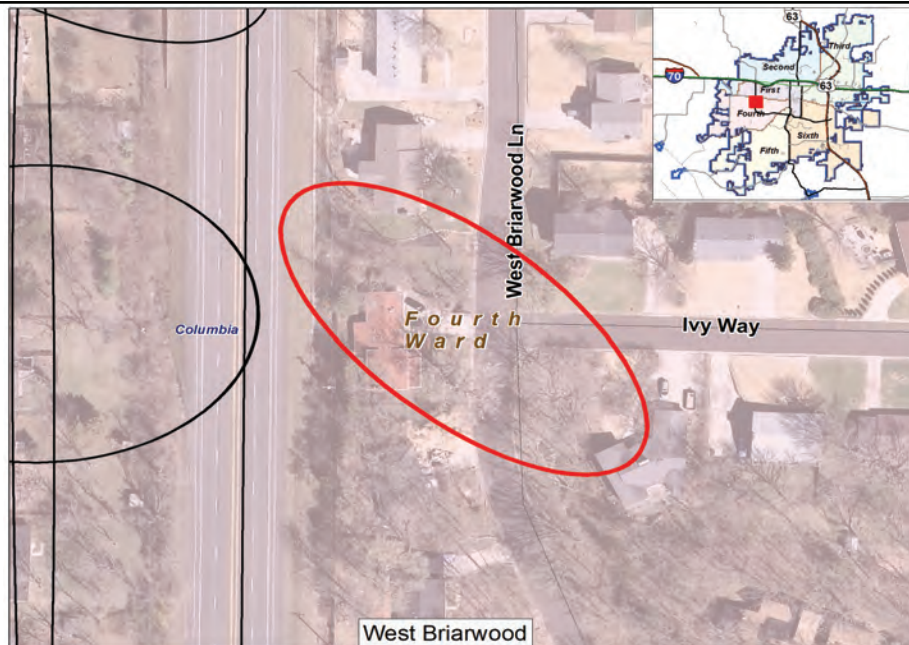
\$25,000

2021

Future Ballot

\$225,000

\$250,000





## Woodland-Northridge Drainage

**Description:**

Reconstruction of existing stormwater system, to reduce flooding issues

**Ward**

3

**Begin Design**

2020

**Begin Construction**

2021

**Eligible for Percent for Arts?**

No

**Current Funding Request:**

\$400,000

**Total Appropriated:**

\$0

**Total City Project Cost:**

\$400,000

**Est. Project Balance: 10/01/2013**

\$0

**Current Status:**

10/17/13: Future project

**Factors Effecting Timing/Completion of Project:**

Funding

**Eligible Funding Sources:**

Future Ballot

**FY****Eligible Funding Sources****Amount**

2020

Future Ballot

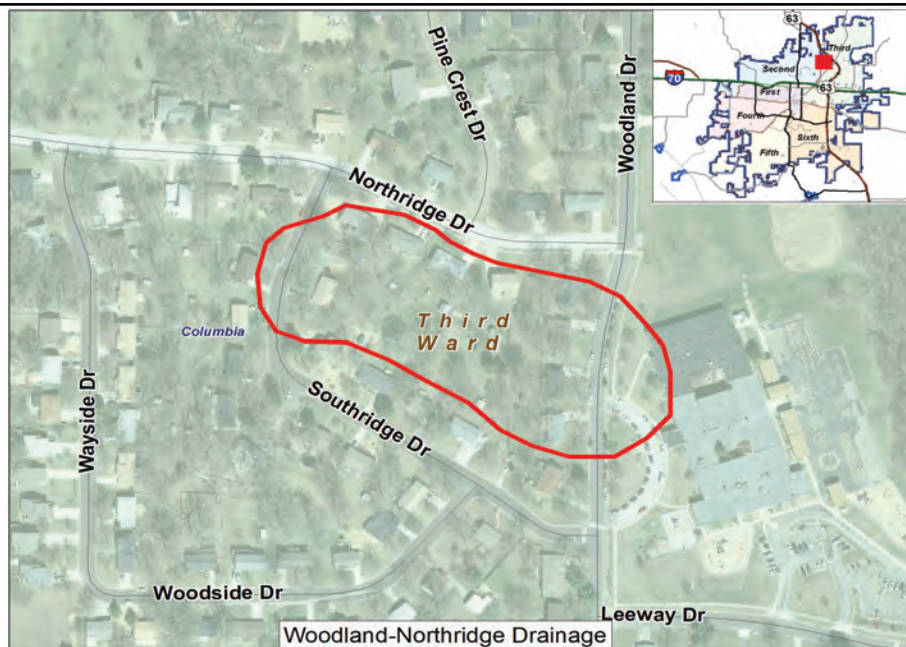
\$40,000

2021

Future Ballot

\$360,000

\$400,000

**Master Plan:**



Worley Again East	Ward	Begin Design	Begin Construction
	1	2020	2021
<b>Description:</b> Replace undersized system and install detention and water quality improvements.	<b>Eligible for Percent for Arts?</b>		No
	<b>Current Funding Request:</b>		\$1,400,000
	<b>Total Appropriated:</b>		\$0
	<b>Total City Project Cost:</b>		\$1,400,000
	<b>Est. Project Balance: 10/01/2013</b>		\$0

**Current Status:**  
 10/17/13: Conceptual

**Factors Effecting Timing/Completion of Project:**  
 Funding, easements, weather

**Eligible Funding Sources:**

Future Ballot

**Master Plan:**

FY	Eligible Funding Sources	Amount
2020	Future Ballot	\$140,000
2021	Future Ballot	\$1,260,000
		<u>\$1,400,000</u>





## Storm Water 10+ Year Projects

	Project Name	Ward
1	2302 Business 70 East [ID: 1372]	3
2	Nifong & Bethel Drainage Project [ID: 1475]	5
3	Pear Tree Circle Storm Drainage [ID: 834]	5
4	Rangeline Street Smith Street [ID: 1478]	1
5	Salt Storage Site Improvements [ID: 1320]	2
6	Sappington Drainage [ID: 823]	4

6 Projects