

**2016-2020  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 WATER PROJECT SUMMARY**

	2016	2017	2018	2019	2020	Category Totals
Design/Engineering	\$15,000	\$52,800	\$89,700	\$24,500	\$25,200	\$207,200
Right-of-Way	\$0	\$0	\$0	\$0	\$0	\$0
Utilities	\$0	\$0	\$10,000	\$0	\$0	\$10,000
Construction	\$935,800	\$385,000	\$648,500	\$122,100	\$125,800	\$2,217,200
Contract Admin./Inspection	\$67,800	\$43,900	\$67,500	\$12,300	\$12,600	\$204,100
<b>Yearly Totals</b>	<b>\$1,018,600</b>	<b>\$481,700</b>	<b>\$815,700</b>	<b>\$158,900</b>	<b>\$163,600</b>	

Source of Funding Water Revenues: Fund 266

**Grand Total = \$2,638,500**

**Portion of Cost to be funded by Development**

	2016	2017	2018	2019	2020	Category Totals
Design/Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0	\$0
Utilities	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$120,000	\$0	\$0	\$0	\$0	\$120,000
Contract Admin./Inspection	\$14,400	\$0	\$0	\$0	\$0	\$14,400
<b>Yearly Totals</b>	<b>\$134,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

Source of Funding Water Revenues: Deposited to Fund 266

**Grand Total = \$134,400**

Percentage 5%

**2016-2020  
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Project	Total Cost	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fiscal Year 2019	Fiscal Year 2020	Fund Name	Fund Number
W-20 Water Tank Painting								
Design/Engineering	\$4,500		\$4,500					
Right-of-Way								
Utilities								
Construction	\$360,000	\$90,000	\$270,000					
Contract Admin./Inspection	\$35,400	\$3,000	\$32,400					
TOTAL	\$399,900	\$93,000	\$306,900				Water Revenue	266
W-28 Norwich Street Water Main								
Design/Engineering	\$25,000							
Right-of-Way	\$45,000							
Utilities	\$50,000							
Construction	\$510,000							
Contract Admin./Inspection	\$30,000							
TOTAL	\$660,000						Water Revenue	266
W-45 Hilliard Participation in Columbus Water System Improvements								
Design/Engineering	\$123,200	\$15,000	\$28,800	\$29,700	\$24,500	\$25,200		
Right-of-Way								
Utilities								
Construction	\$651,400	\$170,000	\$115,000	\$118,500	\$122,100	\$125,800		
Contract Admin./Inspection	\$68,700	\$20,400	\$11,500	\$11,900	\$12,300	\$12,600		
TOTAL	\$843,300	\$205,400	\$155,300	\$160,100	\$158,900	\$163,600	Water Revenue	266
W-46 Britton Parkway - Section 3, - 12" Waterline								
Design/Engineering								
Right-of-Way								
Utilities								
Construction	\$206,000	\$206,000						
Contract Admin./Inspection	\$24,800	\$24,800						
TOTAL	\$230,800	\$230,800					Water Revenue	266

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Project	Total Cost	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fiscal Year 2019	Fiscal Year 2020	Fund Name	Fund Number
W-47(D) Edwards Farm Drive (formerly Trueman Blvd - Section 3) Waterline								
Design/Engineering								
Right-of-Way								
Utilities								
Construction	\$120,000	\$120,000						
Contract Admin./Inspection	\$14,400	\$14,400						
<b>TOTAL</b>	<b>\$134,400</b>	<b>\$134,400</b>					Water Revenue	266
W-48 Cosgray Road 12" Water Main								
Design/Engineering	\$19,500		\$19,500					
Right-of-Way								
Utilities								
Construction	\$130,000			\$130,000				
Contract Admin./Inspection	\$15,600			\$15,600				
<b>TOTAL</b>	<b>\$165,100</b>		<b>\$19,500</b>	<b>\$145,600</b>			Water Revenue	266
W-49 Old Hilliard Water Line Replacement								
Design/Engineering	\$60,000			\$60,000				
Right-of-Way								
Utilities	\$10,000			\$10,000				
Construction	\$400,000			\$400,000				
Contract Admin./Inspection	\$40,000			\$40,000				
<b>TOTAL</b>	<b>\$510,000</b>			<b>\$510,000</b>			Water Revenue	266
W-50 Riggins - Wilcox Roads Waterline Extensions								
Design/Engineering								
Right-of-Way								
Utilities								
Construction	\$349,800	\$349,800						
Contract Admin./Inspection	\$5,200	\$5,200						
<b>TOTAL</b>	<b>\$355,000</b>	<b>\$355,000</b>					CIP	304

**C.I.P. No. W-20**  
**Water Tank Painting**

This project provides for regular painting of the water towers in Hilliard. Currently, this project involves the Wayne Street, Westbrook Drive and Cosgray Road water tanks. As additional tanks are constructed in the City, they will be added to the painting program.

Tanks should be painted approximately every 10 to 15 years. The Wayne Street (Old Hilliard) water tank was last painted in the early 1990s and was repainted in 2007. The Westbrook Drive tank was repainting in 2013. Engineering studies have shown these tanks have lead paint that will require special protection during the removal of the lead and cadmium. The Cosgray Road water tank was constructed in 2000 and is not scheduled for repainting until 2017.

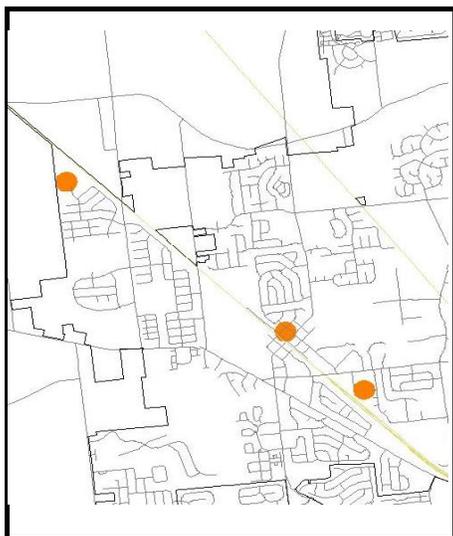
**2016 - \$106,800**

Wayne Street Water Tower Painting

**2017 - \$306,900**

Cosgray Road Water Tower Painting

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$4,500
Right-of-Way	\$0
Utilities	\$0
Construction	\$360,000
Contract Admin./Inspection	\$35,400
<b>Total</b>	<b>\$399,900</b>

Companion C.I.P.'s

[Redacted]

Authorizing Legislation

[Redacted]

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

[Redacted]

Priority Level: 1

	Fiscal Year = 2016				
	2016	2017	2018	2019	2020
Design/Engineering		\$4,500			
Right-of-Way					
Utilities					
Construction	\$90,000	\$270,000			
Contract Admin./Inspection	\$3,000	\$32,400			

**C.I.P. No. W-45**

**Hilliard Participation in Columbus Water System Improvements**

This project is established to provide a funding source for joint improvements to the water system in the Hilliard area with the City of Columbus. Funding for design and construction administration and inspection have been included.

**2016 - \$205,400**

Construction of the extension of the 12-inch waterline along the Heritage Rails to Trail to tie into the Estates of Hoffman Farms and Water Tower. Hilliard share - \$50,000

Design of the Hilliard Roger A. Reynolds Municipal Park Waterline extension and loop \$15,000

Point Pleasant Booster Station Improvements \$ 120,000

**2017 - \$155,300**

Construction of the Hilliard Roger A. Reynolds Municipal Park Waterline extension and loop

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$123,200
Right-of-Way	\$0
Utilities	\$0
Construction	\$651,400
Contract Admin./Inspection	\$68,700
<b>Total</b>	<b>\$843,300</b>

Companion C.I.P.'s

[Redacted]

Authorizing Legislation

Ord. 06-17

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

Priority Level: I

	Fiscal Year = 2016				
	2016	2017	2018	2019	2020
Design/Engineering	\$15,000	\$28,800	\$29,700	\$24,500	\$25,200
Right-of-Way					
Utilities					
Construction	\$170,000	\$115,000	\$118,500	\$122,100	\$125,800
Contract Admin./Inspection	\$20,400	\$11,500	\$11,900	\$12,300	\$12,600

**C.I.P. No. W-46**

**Britton Parkway - Section 3, - 12" Waterline**

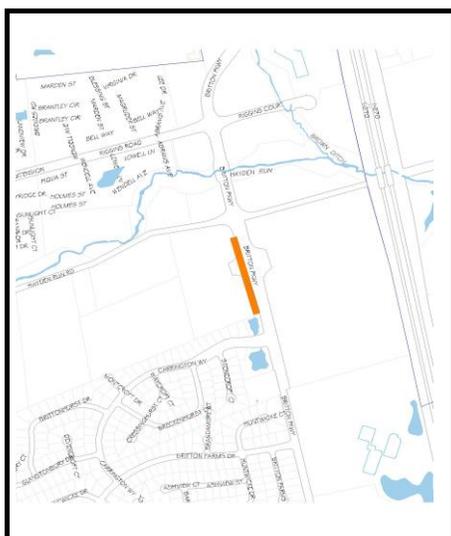
This project consists of the connections 900 lin. ft. of a new 12-inch waterline along the new portion of Britton Parkway, south of Britton Parkway.approximatley 100 feet to 1000 feet..

Design for this project began in 2015 and is being paid for as part of the Columbus Campus, LLC as part of a development project, \$206,000 for construction, and \$24,800 (waterline portion \$16,00) for plan review and construction inspection services The project schedule provides for engineering being done in conjunction with a 629 Grant 2015 cost of \$140,000 (waterline portion \$16,00) in 2015 and construction in 2016 following all utility relocation work of CIP T-117.

**2016 - \$230,800**

12 inch watermian connection in conjunction with the VADATA CENTER

Location Map  
(No Scale)



Figures below are for 5 year program  
using 2009 dollars

Design/Engineering	\$0
Right-of-Way	\$0
Utilities	\$0
Construction	\$206,000
Contract Admin./Inspection	\$24,800
<b>Total</b>	<b>\$230,800</b>

Companion C.I.P.'s

T-68B, T-117, S-36, ST-36

Authorizing Legislation

Ord. 06-17

Funding Source

Department	
Fund Name	Water Revenue
Fund Number	266

Project Origin

	Fiscal Year = 2016				
	2016	2017	2018	2019	2020
Design/Engineering					
Right-of-Way					
Utilities					
Construction	\$206,000				
Contract Admin	\$24,800				

**C.I.P. No. W-47(D)**

**Edwards Farm Drive (formerly Trueman Blvd - Section 3) Waterline**

This project will be designed and constructed in conjunction with the CIP T-69C Edwards Farm Drive roadway project. It consists of construction of a new 12-inch water line along the new portion of Trueman Boulevard north of Davidson Road being constructed for the Vision Development.

According to the City's 2001 water master plan, the water line north of Davidson Road is not needed for system wide water distribution purposes. Therefore, the new 12-inch water line will be built primarily to serve the Vision Development and future developments abutting this section of Edwards Farm Drive..

**2016 \$ 134,400**

Vision Development's estimated construction cost for 12" water line

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$0
Right-of-Way	\$0
Utilities	\$0
Construction	\$120,000
Contract Admin./Inspection	\$14,400
<b>Total</b>	<b>\$134,400</b>

Companion C.I.P.'s

T-69C

Authorizing Legislation

Ord. 06-17

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

Priority Level: I

Design/Engineering  
Right-of-Way  
Utilities  
Construction  
Contract Admin./Inspection

Fiscal Year =		2016			
	2016	2017	2018	2019	2020
Design/Engineering					
Right-of-Way					
Utilities					
Construction	\$120,000				
Contract Admin./Inspection	\$14,400				

**C.I.P. No. W-48**  
**Cosgray Road 12" Water Main**

The construction of approximately 600' of 12" water main along the east side of Cosgray Road and going south from a point approximately 50' south of the centerline of Woodsviev Way. This new line will help loop the existing water system. Design is complete.

**2017 Design \$19,500**

**2018 constructionProject - \$145,600**

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$19,500
Right-of-Way	\$0
Utilities	\$0
Construction	\$130,000
Contract Admin./Inspection	\$15,600
<b>Total</b>	<b>\$165,100</b>

Companion C.I.P.'s

[Redacted]

Authorizing Legislation

[Redacted]

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

[Redacted]

Priority Level: I

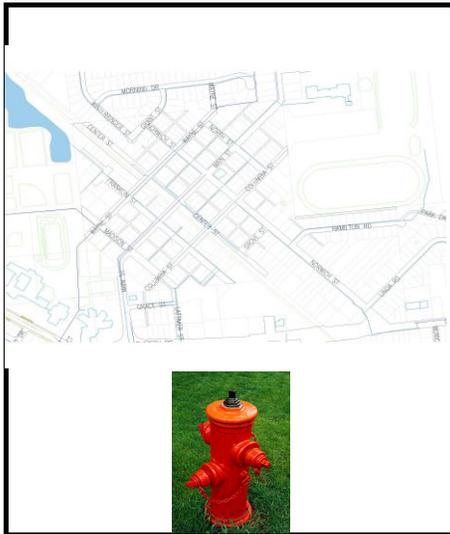
	Fiscal Year = 2016				
	2016	2017	2018	2019	2020
Design/Engineering		\$19,500			
Right-of-Way					
Utilities					
Construction			\$130,000		
Contract Admin./Inspection			\$15,600		

**C.I.P. No. W- 49**

**Old Hilliard Water Line Replacement**

This project replaces approximately 2,900 linear feet of 2-inch and 4-inch diameter water line in Old Hilliard. Some of the alleys and streets in Old Hilliard have existing 2-inch and 4-inch water lines that are substandard in size. After repairing a break in one of them in 2010, it was noted that these lines are cast iron material in poor condition as well. Existing 2-inch and 4-inch water lines will be replaced with 6-inch or 8-inch ductile iron water lines adequately sized for the area to be served. Additional fire hydrants may be constructed in those areas that lack an adequate amount of hydrants. The project would include the replacement of alleys for those water lines located in alleys.

Location Map  
(No Scale)



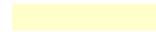
Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$60,000
Right-of-Way	\$0
Utilities	\$10,000
Construction	\$400,000
Contract Admin./Inspection	\$40,000
<b>Total</b>	<b>\$510,000</b>

Companion C.I.P.'s



Authorizing Legislation



Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin



Priority Level: 1

Fiscal Year = 2016

	2016	2017	2018	2019	2020
Design/Engineering			\$60,000		
Right-of-Way			\$0		
Utilities			\$10,000		
Construction			\$400,000		
Contract Admin./Inspection			\$40,000		

**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 WATER PROJECT SUMMARY**

**C.I.P. No. W-50**

**Riggins - Wilcox Roads Waterline Extensions**

This projects extends a 16-inch water main along Riggins Road west of Wilcox and a 12-inch water main along Wilcox Road through the roundabout and connects them. It also provides for stubs for future development to the south along Wilcox Road and west to undeveloped land.

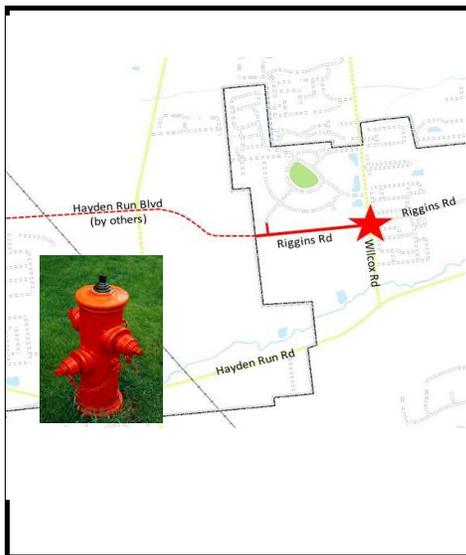
400-feet of 12 inch water line w/ Fire Hydrants.  
 1,780-feet of 16-inch water line w/Fire Hydrants.

**2016 - \$355,000**

The Riggins Road extension will be constructed in 2016 so the waterline along Riggins will need to be extended as part of that project.

This project is funded using carryover funds from the 2015 CIB. W-50 Hilliard CIP line item 304.531.55902

Location Map  
 (No Scale)



Figures below are for 5 year program  
 uses current year \$

Design/Engineering	\$0
Right-of-Way	\$0
Utilities	\$0
Construction	\$349,800
Contract Admin./Inspection	\$5,200
<b>Total</b>	<b>\$355,000</b>

Companion C.I.P.'s  
 T-135 & S-40

Authorizing Legislation

Funding Source

Department	531
Fund Name	CIP
Fund Number	304

Project Origin  
 Priority Level: I

	Fiscal Year = 2016				
	2016	2017	2018	2019	2020
Design/Engineering					
Right-of-Way					
Utilities					
Construction	\$349,800				
Contract Admin./Inspection	\$5,200				