

# City of Findlay

Lydia Mihalik, Mayor

## ENGINEERING DEPARTMENT

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Paul E. Schmelzer, P.E., P.S.  
Service-Safety Director

January 30, 2017

Honorable Lydia Mihalik  
Mayor, City of Findlay

**RE: Engineering Department Annual Report for Calendar Year 2016**

Honorable Mayor:

The City of Findlay Engineering Department has endeavored to provide citizens, developers, contractors, City departments, and other interested parties with the best service possible in regard to all of the following functions:

- Civil Engineering
- Project management
- Engineering records maintenance
- Infrastructure tracking
- Construction inspection
- Plan review
- Infrastructure planning
- Bonding, inspection, tracking of private development
- Contracting for City departments
- Utility/sidewalk permitting
- Address assignment
- GIS development
- Support for USACE Flood Feasibility Study
- Representation to numerous City Committees and Commissions
- Prevailing wage coordination
- Flood Hazard Mitigation
- City mapping
- Airport grant administration

The varied knowledge base, expertise and dedication of the Engineering Department staff make the provision of these services possible. The knowledge of our staff is truly our greatest asset, essential to maintaining cost effective and efficient service. With the support of the Administration, the Department hired a new Construction Inspector to fill a vacancy created by a retirement during 2016. The Department had 7 full time employees, listed below for 2016:

Donna Corbin	Project Coordinator
Jeremy Kalb	Project Manager
Jeff Corbin	Construction Inspector
Greg Craven	Engineering Technician (GIS)
David Ohl	Records Administrator
Mitch Heacock	Inspector/MS4 coordinator
Brian Thomas	City Engineer

Deidre Ramthun continues to assist the office on a part-time basis as an administrative assistant in addition to her duties with the Civil Service Commission.

The following pages contain the Annual Operations Summary listing detailed statistical information and summaries of the projects the Engineering Department has worked on.

Please do not hesitate to contact me with any questions you may have regarding this information or department operations in general.

Respectfully Submitted,

A handwritten signature in blue ink, consisting of a stylized 'B' followed by a long horizontal line that loops back under the 'A' and ends with a small flourish.

Brian A. Thomas, PE, PS, CPESC  
City Engineer

### **City Planning Commission (CPC)**

The Engineering Department reviewed and made recommendations for the following submittals to the CPC; Twenty five (25) site plans, four (4) preliminary subdivision plats, five (5) final subdivision plats, and four (4) street or alley vacations.

### **Development Inspections**

Engineering staff provided inspection and oversight for improvements that impact the City's infrastructure on the following projects; Liberty Ridge Townhomes, Glenmar 2<sup>nd</sup> Addition, Woods at Hillcrest 8<sup>th</sup> Addition, Somerset 3<sup>rd</sup> Addition, McLane Distribution Center, Township Road 94 Sanitary Sewer Extension, Marathon Water Projects (Hardin Street and Beech Street), Hickory Lake 1<sup>st</sup> Addition, Distribution Drive Waterline Extension, and Villas at Hunter's Creek 1<sup>st</sup> Addition.

### **Resurfacing 2016**

Fourteen (14) road sections totaling 9.45 miles in length were resurfaced and 4.85 miles of curb were replaced through the use of a contractor. Paving and milling costs totaled \$323,047.56. Curb, sidewalk and driveway replacements added \$830,524.72 to the final cost of \$1,153,570.00.

### **Resurfacing 2016 – ODOT Large City funding**

Three (3) road sections totaling 4.25 miles in length were resurfaced and 1.80 miles of curb were replaced through the use of a contractor. Funding from the Ohio Department of Transportation (ODOT) provided 80% of the construction cost (\$502,401). The remaining 20% (\$125,927) was paid with City Permissive License funds.

### **Sewer Lining Program 2016**

This annual program adds a plastic liner to sanitary sewers to prevent storm water and groundwater infiltration and to structurally rehabilitate deteriorating sewers. In 2016, approximately 410 feet of 8" sewer, 7,750 feet of 10" sewer, 1,805 feet of 12" sewer and 417 feet of 15" sewer was lined. The total length of sanitary sewer lined was approximately 10,382 feet. LiquiForce Services of Romulus, Michigan performed the work at a cost of \$366,310.

### **Sewer Cleaning Program 2016**

This annual program inspects and cleans large diameter sanitary sewers. This year, there were not any large diameter sewers that needed cleaned, so the money was transferred to the Sewer Lining Program so that more sewers could be lined.

### **Santee and Ely Emergency Sanitary Sewer Replacement**

This project replaced approximately 460 feet of 15" sanitary sewer that had collapsed in the unpaved alley between Santee and Ely Streets. Helms & Sons Excavating, Inc. of Findlay, Ohio performed the work at a cost of \$51,161.00.

### **West Lima Street Waterline**

This project involved the installation of approximately 1,420 of 8” waterline along West Lima Street from Western Avenue to the West. This project replaced the old 6” waterline that is corroded had had low pressure. The new waterline will have better flow and pressure for the existing users. Beaverdam Contracting Inc. of Bluffton, Ohio performed the work at a cost of \$199,704.50.

### **Traffic Signal Upgrades**

Traffic signal upgrades are necessary to replace aging span wire systems and install modern traffic control equipment. In 2016, new mast arm poles and foundations were installed at the following intersections:

McManness Avenue/Center Street – \$22,960.00 by National Light & Power, of Sandusky, Ohio

Lima Avenue/South Weest Street - \$25,510.00 by National Power & Light, of Sandusky, Ohio

West Sandusky Street/South Weest Street - \$23,900.00 by National Power & Light, of Sandusky, Ohio

West Lincoln Street/South Weest Street - \$23,405.00 by National Power & Light, of Sandusky, Ohio

### **G & H Street Sewer Separation**

This is the first phase of several projects that will install separate storm sewers in the area bounded by Tiffin Avenue, Blanchard Street, McManness Avenue and the Norfolk & Southern railroad. Sewers will vary in size from 10” to 24”. The total length of storm sewers installed in this phase was 3,076 feet. The contract was awarded to Hohenbrink Excavating of Findlay for a cost \$404,505.

### **Fostoria Avenue Storm Sewer Phase 2**

This project involved the construction of a large trunk sewer along Fostoria Avenue from Woodworth Drive to Plaza Street and from Oakdale Drive to Cherry Drive through an easement located at the rear of the properties. Storm sewers sizes varied from 8” to 30”. The total length of sewer installed as part of this project was approximately 2,025 feet. JDR Excavating Inc., of Findlay, Ohio completed the work at a cost of \$404,661. \$252,500 of the project cost was funded by a grant from Ohio Public Works Commission.

### **County Road 99 Waterline (Forest Trail to County Road 142)**

This project involves the construction of new 24” waterline along County Road 99 between County Road 142 and Forest Trail Drive. This waterline will primarily serve the Woods at Hillcrest Subdivisions, the commercial real estate along County Road 99 and is another section of the City’s looped waterline plan. The project includes the installation of approximately 2,320 feet of waterline. The contract was awarded to Cash Services, LLC of Millbury, Ohio for a cost of \$354,664.50.

## **Planning for 2017**

Final design and construction plans are nearing completion for the following projects scheduled to be built in 2017:

- Downtown Revitalization Plan (TAP)
- ODOT Large City FY 17 Resurfacing
- Resurfacing 2017
- West Hardin Sewer Separation
- Blanchard River/Stanford Parkway Waterline Replacment
- Brandman Area Sewer Diversion and CSO Removal
- Airport Drainage Improvements
- South Main Street Waterline Replacement
- Davis Street Waterline Replacement
- Heather Drive Waterline Replacement
- Woodside Drive Waterline Replacement
- Vincent Street Waterline Replacement
- Annual Sewer & Manhole Lining Program
- County Road 300 Drainage Improvments
- High Street Sewer Replacement
- McManness Avenue/McConnell Street Sewer Separation
- Park Street Rehabilitation
- Areas B-4 & B-6 Sewer Separation – Phase 1
- Areas B-4 & B-6 Sewer Separation – Phase 2
- Central Avenue/Dayton Avenue Sewer Separation
- Main Street Alley Reconstruction
- Traffic Signal upgrades at:
  - South Main Street/Lincoln Street
  - South Main Street/Main Cross Street
  - South Main Street/Sandusky Street
  - Northgate Boulevard/Bigelow Avenue

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
FOR THE YEAR OF 2016**

The following information is provided as a report of operations in the Engineering Department for the year 2016. Corresponding years 2014 and 2015 are shown for comparison.

**NEW SANITARY SEWER**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
8" Force Main	0 LF	0 LF	0 LF
6" Force Main	0 LF	1,130 LF	0 LF
4" Force Main	0 LF	-1,130 LF	0 LF
6"	0 LF	0 LF	0 LF
8"	5,028 LF	5,389 LF	1,870 LF
10"	1,954 LF	0 LF	768 LF
12"	2,287 LF	0 LF	0 LF
15"	0 LF	0 LF	0 LF
18"	0 LF	0 LF	0 LF
TOTALS	<u>9,269 LF</u>	<u>5,389 LF</u>	<u>2,638 LF</u>

**SANITARY SEWER PERMITS ISSUED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Outside City	69	56	53
Inside City	82	71	90
TOTALS	<u>151</u>	<u>127</u>	<u>143</u>

**SANITARY SEWER FEES COLLECTED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Tap/Inspection Fees	\$13,605.00	\$11,236.00	\$13,567.00
Impact/Capacity Fees	\$243,819.00	\$123,414.00	\$192,303.00
Rotary Fees	\$37,573.00	\$0.00	\$2,200.00
	<u>\$294,997.00</u>	<u>\$134,650.00</u>	<u>\$208,070.00</u>

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DEPARTMENT OF ENGINEERING**

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**NEW STORM SEWER**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
6"	0 LF	0 LF	0
8"	0 LF	0 LF	0
10"	176 LF	0 LF	0
12"	502 LF	198 LF	0
15"	1,083 LF	20 LF	0
18"	410 LF	0 LF	0
21"	0 LF	0 LF	0
24"	468 LF	55 LF	0
27"	0 LF	0 LF	0
30"	0 LF	1,232 LF	0
36"	0 LF	0 LF	0
42"	0 LF	1,353 LF	0
48"	0 LF	330 LF	0
54"	0 LF	266 LF	0
60"	0 LF	0 LF	0
84"	0 LF	0 LF	0
<b>TOTALS</b>	<u>2,639 LF</u>	<u>3,454 LF</u>	<u>0</u>

**STORM SEWER PERMITS ISSUED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Outside City	33	36	46
Inside City	51	49	47
<b>TOTALS</b>	<u>84</u>	<u>85</u>	<u>93</u>

**STORM SEWER FEES COLLECTED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Tap/Inspector Fees	\$6,825.00	\$7,000.00	\$8,575.00

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**NEW WATERLINE**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
2"	313 LF	(846) LF	0 LF
6"	3,243 LF	1,144 LF	1,227 LF
8"	8,623 LF	4,095 LF	655 LF
10"	0 LF	0 LF	0 LF
12"	1,668 LF	1,810 LF	667 LF
16"	0 LF	0 LF	0 LF
20"	1,930 LF	0 LF	0 LF
24"	2,320 LF	0 LF	0 LF
30"	0 LF	0 LF	0 LF
36"	0 LF	0 LF	0 LF
TOTALS	<u>18,097 LF</u>	<u>6,203 LF</u>	<u>2,549 LF</u>

**WATER SERVICE PERMITS ISSUED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Outside City	73	61	64
Inside City	71	59	73
TOTALS	<u>144</u>	<u>120</u>	<u>137</u>

**WATER FEES COLLECTED**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Tap/Meter Fees	\$143,550.00	\$123,900.00	\$138,625.00
Rotary Fees	\$20,526.00	\$2,420.00	\$41,281.02
TOTALS	<u>\$164,076.00</u>	<u>\$126,320.00</u>	<u>\$179,906.02</u>



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**NEW PAVEMENT (HARD SURFACE WITH CURB)**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total(construction and annexations)	0.30 Miles	0.00 Miles	1.09 Miles

**STREET RESURFACING**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Increase	25,648 LF 4.86 Miles	39,600 LF 7.50 Miles	20,677 LF 3.91 Miles

**CURB CUT PERMITS**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Permits Issued	66	62	62
Fees Collected	\$1,650.00	\$1,500.00	\$1,500.00

**SIDEWALK PERMITS**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Repaired	3267 LF	3681 LF	3327 LF
Total Constructed	4287 LF	946 LF	3400 LF
Permits Issued	98	106	102

**ANNEXATIONS**

	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Increase	0.172 Acres 0.000 Sq Mi.	28.651 Acres 0.045 Sq Mi.	276.623 Acres 0.432 Sq Mi.

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
FOR THE YEAR OF 2016**

**WATERLINES**

Total through 2015	317.75 Miles
Constructed - 2016	3.43 Miles
Removed - 2016	0.00 Miles
<b>TOTAL through 2016</b>	<b>321.18 Miles</b>

**SANITARY SEWERS**

Total through 2015	297.52 Miles
Constructed - 2016	1.76 Miles
Removed - 2016	0.00 Miles
<b>TOTAL through 2016</b>	<b>299.28 Miles</b>

**STREET RIGHT-OF-WAY AND PAVEMENT**

Hard surface with curb through 2015	133.88 Miles
Hard surface without curb through 2015	61.25 Miles
<b>TOTAL pavement through 2015</b>	<b>195.13 Miles</b>
<b>TOTAL Right-of-Way through 2015</b>	<b>194.75 Miles</b>
<b>Vacated -2016</b>	
Hard surface with curb	0.00 Miles
Hard surface without curb	0.00 Miles
Right-of-way	0.00 Miles
<b>Constructed - 2016</b>	
Hard surface with curb	0.30 Miles
Hard surface without curb	0.00 Miles
<b>Dedicated - 2016</b>	
Right-of-way	0.30 Miles
<b>Annexed - 2016</b>	
Hard surface with curb	0.00 Miles
Hard surface without curb	0.00 Miles
Right-of-way	0.00 Miles
<b>TOTAL Hard Surface with curb</b>	<b>134.18 Miles</b>
<b>TOTAL Hard Surface without curb</b>	<b>61.25 Miles</b>
<b>TOTAL Pavement through 2016</b>	<b>195.43 Miles</b>
<b>TOTAL Right-of-way through 2016</b>	<b>195.05 Miles</b>

**ANNEXATIONS**

Total through 2015		20.1584 Sq. Miles
Annexations - 2016	0.172 Acres	0.0003 Sq. Miles
<b>TOTAL through 2016</b>		<b>20.1587 Sq. Miles</b>