

# City of Findlay

Lydia Mihalik, Mayor

## ENGINEERING DEPARTMENT

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

**February 4, 2014**

**Ms. Lydia Mihalik  
Mayor, City of Findlay  
Findlay, OH 45840**

**RE: Engineering Department  
Annual Report for Calendar Year 2013**

Ms. Mihalik:

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 for Capital Improvement projects
- 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. At the end of 2013, the Department maintained 6 full time employees, listed below.

Donna Corbin	Finance/Contract Control
Nathan Hoy	Project Manager
Dave Jordan	Chief Construction Inspector
Greg Craven	Engineering Technician (GIS)
David Ohl	Records Administrator
Mitch Heacock	Inspector/MS4 coordinator

Construction inspector Chad Ritzler, resigned to take a position with the City of Oregon, Ohio. CAD Technician Glen Springer transferred to a position in the Street Department. Mitch Heacock was hired as a construction inspector who will also assist with oversight of the MS4 stormwater program. Deidre Ramthun will now assist the office on a part-time basis as an administrative assistant in addition to her duties with the Civil Service Commission. The contract with the Hancock County Engineer's office under which Steve Wilson provides engineering services to the City on an as needed basis continued during 2013. The Administration has begun a search for a full time city engineer and hopes to have one in place early in 2014.

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,



Steven C. Wilson, PE, PS  
Project Manager

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

Our office reviewed and made recommendations for the following submittals to the CPC; Seventeen (17) site plans, four (4) preliminary subdivision plats, seven (7) final subdivision plats, and eight (8) alley vacations.

### **Development Inspections**

Engineering staff provided inspection and oversight for improvements that impact the City's infrastructure on the following projects; Glenwood Middle School, Family Dollar (N Main & Tiffin Ave), Findlay Products, Forest Trail sanitary sewer, Hancock County Engineer garage, Dick's Sporting Goods, Distribution Drive sanitary sewer and waterline, Eastern Woods apartments, Glenmar Addition, Hilton Garden Inn, and Lewis waterline and sanitary sewer.

### **Byal Avenue Improvements (West Park)**

Byal Avenue was reconstructed between Greenwood Street and Lima Avenue by the installation of new pavement and the addition of curbs, sidewalks, waterline, and storm sewers. The final project cost was \$667,000 with funding from Community Development Block Grant (\$255,000), Ohio Public Works Commission grant (\$338,000), and capital improvement and water/sewer funds (\$74,000).

### **Resurfacing 2013**

Twenty-one (21) road sections totaling 5 miles in length were resurfaced through the use of a contractor. Paving and milling costs totaled \$707,000. Curb (30,494 lineal feet), sidewalk and driveway replacements added \$726,000 to the final cost of \$1,433,000.

### **Resurfacing 2013 – ODOT Large City funding**

Four (4) road sections totaling 1.4 miles in length were resurfaced through the use of a contractor. Funding from the Ohio Department of Transportation (ODOT) provided 80% of the construction cost (\$280,000). The remaining 20% (\$70,000) was paid with City Permissive License funds.

### **Mr. Manhole project – ODOT Large City funding**

Fifty-one (51) manhole castings were rehabilitated to provide a smoother driving surface at several locations throughout the community. Funding from ODOT provided 80% of the construction cost (\$40,000). The remaining 20% (\$10,000) was paid with Sewer funds

### **Fostoria/Plaza Intersection improvement – ODOT Large City funding**

The intersection of Fostoria Avenue and Plaza Street was improved by the installation of left turn lanes on Fostoria and upgrading the span-wire traffic signal system to new mast arm poles and signals. 100% of the project cost of \$ 210,000 was provided by ODOT.

### **Sewer Lining Program 2013**

This annual program lines sanitary sewers to prevent storm and ground water infiltration and to structurally rehabilitate deteriorating sewers. In 2013, approximately 6,630 feet of sanitary sewer was lined for a cost of \$200,000.

### **Sewer Cleaning Program 2013**

This annual program inspects and cleans large diameter sanitary sewers. This year's work was performed along W High Street and the area south of High Street through the former Brandman property. Pipe sizes ranged from 24" to 66". At a cost of \$146,000, 5,290 feet of vitrified sewer pipe was inspected and cleaned.

### **Emergency Sewer Repairs**

Sections of existing concrete sanitary sewer on Beecher Street & Jennifer Lane were originally scheduled for sewer lining. The condition of the sewers was so poor that lining was not an option, they needed to be excavated and replaced with new pipe. A total of 930' is being replaced at a cost of \$ 150,000 paid from the Sewer fund.

### **Traffic Signal Upgrades**

Traffic signal upgrades are necessary to replace aging span wire systems and install modern traffic control equipment. In 2013, the following signal upgrades were completed:

- Trenton Avenue/Blanchard Street intersection – new mast arm poles and signals
- Pedestrian crossing traffic signal at Glenwood Middle School

Plans are being prepared for signal upgrades at the following intersections in 2014: N Main St at Bigelow; N Main St at Lexington, Crystal Ave at N Blanchard St

### **County Road 95/County Road 140 Waterline**

A 12" line was installed on County Road 95 from Torrey Pines Drive to County Road 140 and a 20" line was installed on County Road 140 from County Road 95 to Siferd Blvd. This project completed a "loop" that will enhance service in the Hillcrest area and also featured the first use of C900 PVC waterline in the City's system. Beaverdam Contracting performed the work at a cost of \$ 250,000.

### **Tiffin Avenue Signal Synchronization**

Bids for this project were taken in October, 2013. Installation of equipment is scheduled to begin in March, 2014. The project will coordinate traffic signals on Tiffin Avenue between Plaza Street and County Road 236. Funding will be provided by ODOT, an EECBG grant and \$ 40,000 in City funds. ODOT will inspect and administer the project.

### **Safe Routes to School Program (Donnell Middle School)**

This project proposes improvements along Lima Avenue, Lake Cascades Parkway and South West Street. A grant was received from ODOT in March of 2011 in the amount of \$330,000. The project will be inspected and administered by our office. Bids for the project were received in December, 2013 with Helms & Sons of Findlay awarded the contract. Construction will begin in Spring, 2014.

### **WPC Bar Screens**

Our office worked with the Water Pollution Control staff and consultant HDR to prepare bid documents for the construction of mechanical bar screens that will remove debris from the waste stream prior to entering treatment in the oxidation ditches. Bids were taken in January, 2014 and are being reviewed for recommendation of a contract award.

### **WTP By-pass Line**

Our office assisted the Water Treatment Plant staff and consultant HDR to prepare design plans and install a 30" bypass line that will allow more efficient operation of the treatment system and management of the treated water stored in the clearwells. Peterson Construction performed the work at a cost of \$ 422,730.

### **WTP Clearwell Repair**

Assisted the Water Treatment Plant staff and consultant HDR to design a repair to Clearwells 1, 2 & 3 at the Treatment Plant along with some other minor system upgrades. Bids were taken in January, 2014 and are being reviewed for recommendation of a contract award.

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
FOR THE YEAR OF 2013**

The following information is provided as a report of operations in the Engineering Department for the year 2013. Corresponding years 2011 and 2012 are shown for comparison.

**NEW SANITARY SEWER**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
8" Force Main	0 LF	0 LF	0 LF
4" Force Main	0 LF	0 LF	0 LF
6"	0 LF	0 LF	0 LF
8"	327 LF	2,019 LF	286 LF
10"	0 LF	0 LF	0 LF
12"	0 LF	0 LF	0 LF
15"	0 LF	0 LF	0 LF
18"	0 LF	0 LF	0 LF
TOTALS	<u>327 LF</u>	<u>2,019 LF</u>	<u>286 LF</u>

**SANITARY SEWER PERMITS ISSUED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Outside City	48	53	29
Inside City	53	35	61
TOTALS	<u>101</u>	<u>88</u>	<u>90</u>

**SANITARY SEWER FEES COLLECTED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Tap/Inspection Fees	\$8,505.00	\$7,665.00	\$6,825.00
Impact/Capacity Fees	\$61,545.00	\$56,181.00	\$134,169.00
Rotary Fees	\$4,686.00	\$6,165.36	\$0.00
	<u>\$74,736.00</u>	<u>\$70,011.36</u>	<u>\$140,994.00</u>

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
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**NEW STORM SEWER**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
6"	0 LF	0 LF	0 LF
8"	0 LF	55 LF	0 LF
10"	0 LF	90 LF	10 LF
12"	388 LF	3,136 LF	634 LF
15"	25 LF	1,712 LF	433 LF
18"	0 LF	1,892 LF	233 LF
21"	0 LF	721 LF	0 LF
24"	2,666 LF	4,984 LF	20 LF
27"	0 LF	45 LF	0 LF
30"	317 LF	60 LF	80 LF
36"	0 LF	1,760 LF	666 LF
42"	0 LF	0 LF	0 LF
48"	0 LF	2,740 LF	38 LF
54"	0 LF	0 LF	0 LF
60"	0 LF	0 LF	0 LF
84"	0 LF	0 LF	0 LF
<b>TOTALS</b>	<u>3,396 LF</u>	<u>17,195 LF</u>	<u>2,114 LF</u>

**STORM SEWER PERMITS ISSUED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Outside City	41	41	25
Inside City	39	36	48
<b>TOTALS</b>	<u>80</u>	<u>77</u>	<u>73</u>

**STORM SEWER FEES COLLECTED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Impact Fees	\$6,930.00	\$6,755.00	\$5,635.00

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
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**NEW WATERLINE**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
6"	600 LF	968 LF	77 LF
8"	1,392 LF	5,874 LF	1,680 LF
10"	0 LF	13 LF	0 LF
12"	0 LF	5,398 LF	(440) LF
16"	0 LF	535 LF	0 LF
20"	0 LF	0 LF	0 LF
24"	0 LF	0 LF	0 LF
30"	0 LF	0 LF	0 LF
36"	0 LF	0 LF	0 LF
TOTALS	<u>1,992 LF</u>	<u>12,788 LF</u>	<u>1,317 LF</u>

**WATER SERVICE PERMITS ISSUED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Outside City	58	53	29
Inside City	42	29	58
TOTALS	<u>100</u>	<u>82</u>	<u>87</u>

**WATER FEES COLLECTED**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Tap/Meter Fees	\$106,725.00	\$91,925.00	\$78,225.00
Rotary Fees	\$5,588.00	\$10,340.00	\$0.00
TOTALS	<u>\$112,313.00</u>	<u>\$102,265.00</u>	<u>\$78,225.00</u>

Impact Fees



**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

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

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Total(construction and annexations)	0.23 Miles	0.35 Miles	0.20 Miles

**STREET RESURFACING**

	<u>2013</u>	<u>2012</u>	<u>2010</u>
Total Increase	43,384 LF 8.22 Miles	20,714 LF 3.92 Miles	16,510 LF 3.13 Miles

**CURB CUT PERMITS**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Permits Issued	43	33	36
Fees Collected	\$1,100.00	\$775.00	\$925.00

**SIDEWALK PERMITS**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Total Repaired	3424 LF	3112 LF	3993 LF
Total Constructed	4239 LF	2522 LF	3618 LF
Permits Issued	99	123	131

**ANNEXATIONS**

	<u>2013</u>	<u>2012</u>	<u>2011</u>
Total Increase	0.000 Acres 0.000 Sq Mi.	0.000 Acres 0.000 Sq Mi.	9.100 Acres 0.015 Sq Mi.

**CITY OF FINDLAY  
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY  
FOR THE YEAR OF 2013**

**WATERLINES**

Total through 2012	314.90 Miles
Constructed 2013	0.11 Miles
Removed 2013	0.00 Miles
<b>TOTAL through 2013</b>	<b>315.01 Miles</b>

**SANITARY SEWERS**

Total through 2012	295.22 Miles
Constructed 2013	0.06 Miles
Removed 2013	0.00 Miles
<b>TOTAL through 2013</b>	<b>295.28 Miles</b>

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

Hard surface with curb through 2012	132.80 Miles
Hard surface without curb through 2012	61.79 Miles
<b>TOTAL pavement through 2012</b>	<b>194.59 Miles</b>
<b>TOTAL Right-of-Way through 2012</b>	<b>193.68 Miles</b>
<b>Vacated - 2013</b>	
Hard surface with curb	0.00 Miles
Hard surface without curb	0.00 Miles
Right-of-way	0.00 Miles
<b>Constructed - 2013</b>	
Hard surface with curb	0.23 Miles
Hard surface without curb	(0.23) Miles
<b>Dedicated - 2013</b>	
Right-of-way	0.00 Miles
<b>Annexed - 2013</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>133.03 Miles</b>
<b>TOTAL Hard Surface without curb</b>	<b>61.56 Miles</b>
<b>TOTAL Pavement through 2013</b>	<b>194.59 Miles</b>
<b>TOTAL Right-of-way through 2013</b>	<b>193.68 Miles</b>

**ANNEXATIONS**

Total through 2012		19.6308 Sq. Miles
Annexations 2013	3.591 Acres	0.0056 Sq. Miles
<b>TOTAL through 2012</b>		<b>19.6364 Sq. Miles</b>