

City of Findlay

Lydia Mihalik, Mayor

ENGINEERING DEPARTMENT

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

January 28, 2015

Honorable Lydia Mihalik
Mayor, City of Findlay

RE: **Engineering Department
Annual Report for Calendar Year 2014**

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. At the end of 2014, the Department maintained 6 full time employees, listed below:

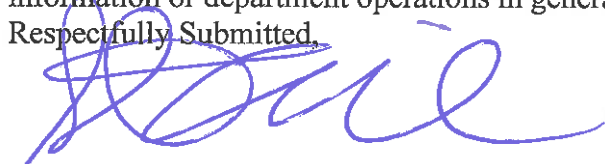
Donna Corbin	Project Coordinator
Nathan Hoy	Project Manager
Dave Jordan	Chief Construction Inspector
Greg Craven	Engineering Technician (GIS)
David Ohl	Records Administrator
Mitch Heacock	Inspector/MS4 coordinator

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 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 2014. The Administration was unable to secure a full time city engineer during 2014 but will continue their search in 2015.

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; Twenty two (22) site plans, four (4) preliminary subdivision plats, ten (10) final subdivision plats, and fourteen (14) street or alley vacations.

Development Inspections

Engineering staff provided inspection and oversight for improvements that impact the City's infrastructure on the following projects; Advance Auto Parts, Century Health (2627 Crystal Ave), Distribution Drive, Eastern Woods apartments, Gateway Church waterline, Glenmar 1st Addition, Hanco (Croy Dr), Hickory Lake subdivision, Hilton Garden Inn, Lewis properties (CR 99), Marathon parking garage, McLane Distribution Center, Ohio Logistics (Distribution Dr), Somerset 1st & 2nd additions, Taylor Volkswagen.

Logan Avenue Improvements (West Park)

Logan 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 \$738,000 with funding from Community Development Block Grant (\$109,000), Ohio Public Works Commission grant (\$250,000), and capital improvement and water/sewer funds (\$379,000).

Resurfacing 2014

Twenty (20) road sections totaling 4.4 miles in length were resurfaced through the use of a contractor. Paving and milling costs totaled \$409,000. Curb, sidewalk and driveway replacements added \$726,000 to the final cost of \$1,131,000. Cold weather caused a delay in completion of some of the projects until 2015. The remaining project costs total \$318,000

Resurfacing 2014 – ODOT Large City funding

Four (4) road sections totaling 3.3 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 (\$509,000). The remaining 20% (\$127,000) was paid with City Permissive License funds.

Emergency Sewer Repairs

Funding normally set aside for sewer lining was encumbered instead for three (3) conventional sanitary sewer replacement projects. The first project involved replacing 590' of 10" sewer on Beecher Avenue that was constructed by JDR Excavating of Findlay for a total price of \$ 88,000. The second replaced 400' of 8" sewer on Jennifer Lane and was also constructed by JDR Excavating at a cost of \$42,000. The second project will take place on Greendale Avenue and Sutton Place. Vernon Nagel of Napoleon was awarded a contract in the amount of \$178,000 and is scheduled to begin early in 2015.

Sewer Cleaning Program 2014

This annual program inspects and cleans large diameter sanitary sewers. This year's work was performed on the trunk sewer that lies along the south side of the Blanchard River from Main Street east to Warrington Avenue. Pipe sizes ranged from 27" to 42" and totaled 5,580 feet in length. Final project cost totaled \$ 143,000.

Bright Rd/ East Bigelow Waterline

This project replaced 750 feet of badly corroded waterline on East Bigelow Avenue at the Bright Road intersection and was prompted by the proposed resurfacing of Bright Road in 2015. Cash Services of Northwood, Ohio performed the work at a cost of \$ 70,000.

East Melrose Waterline

This project will install 1,400 feet of 12" waterline on East Melrose Avenue between Breckenridge Road and Romick Parkway that will close a gap in the existing waterline system. Cash Services of Northwood, Ohio was awarded a contract in the amount of \$80,000 for the work that will begin early in 2015.

Glessner Avenue Waterline

1,500 feet of existing 6" waterline on Glessner Avenue was replaced between West Main Cross Street and West Sandusky Street. R.A. Bores Excavating of Monroeville, Ohio performed the work for a final cost of \$ 130,000.

South Water Tower Painting

The Water Tower at the intersection of Edgar Avenue and Bank Street was repainted by UCL, Inc. of Cincinnati at a cost of \$ 668,500. Dixon Engineering of Medina, Ohio prepared the technical specifications for the work and also performed the on-site inspection.

Traffic Signal Upgrades

Traffic signal upgrades are necessary to replace aging span wire systems and install modern traffic control equipment. In 2014, new mast arm poles and foundations were installed at the following intersections:

N Main St/Bigelow – \$ 47,000 by National Light & Power of Sandusky, Ohio

N Main/Lexington – \$ 30,000 by FET Construction of Sylvania, Ohio

N Blanchard/Crystal – \$ 53,000 by FET Construction of Sylvania, Ohio

New signals and controllers were installed at each intersection by the Traffic Dept. at an average price of \$35,000 per intersection.

Tiffin Avenue Signal Synchronization

Bids for this project were taken in October, 2013 and the work was completed in 2014. The project coordinated traffic signals on Tiffin Avenue between Plaza Street and County Road 236. Funding was provided by ODOT, an EECBG grant and \$ 40,000 in City funds. ODOT inspected and administered the project.

Safe Routes to School Program (Donnell Middle School)

This project constructed improvements along Lima Avenue, Lake Cascades Parkway and South West Street. The project was inspected and administered by our office. Helms & Sons of Findlay completed the work at a cost of \$ 197,000 which was funded completely by a grant from ODOT.

WPC Bar Screens & WTP Clearwell Repairs

These projects were awarded to PAE & Associates of Brookville, Ohio due to cost savings associated with a combined bid. The contract amount totals \$ 4,234,000. The consulting firm HDR is providing construction oversight and administration. Work on both projects should be completed by the end of February, 2015.

Interstate 75 Widening

The City was requested by ODOT to perform reviews of the proposed construction plans that will affect the City's infrastructure. An existing sanitary sewer in the I-75 right of way between the Norfolk & Southern railroad and West Sandusky Street is proposed to be abandoned which will require the City to provide new sanitary sewer outlets to Freudenberg NOK on Marathon Blvd and the Northern Ohio Sugar plant north of Logan Ave. ODOT will reimburse a portion if not all of these sanitary sewer costs.

Planning for 2015

Final design and construction plans are nearing completion for the following projects scheduled to be built in 2015:

- N Main St/Center St/Tiffin Ave Curb Replacement as a precursor to ODOT's planned resurfacing of US 224

- ODOT Large City FY 15 Resurfacing

- G & H Street Sewer Separation

- Fostoria Avenue Storm Sewer Phase 1

- W Lincoln/W Hardin Sewer Separation

- CR 99 Waterline (Forest Trail to Technology Drive)

- West Park Sanitary Sewer (Elyria, Blaine & Newell Streets)

- Traffic Signal upgrades at:

 - Sandusky/Osborn

 - Lima Ave/S West St

 - Sandusky/S West St

 - McManness/Center

 - Sandusky/East St

 - Sandusky/Blanchard

- North Water Tower Painting

- Water Treatment Plant SCU#1 Painting

- Sweetwater Rd waterline replacement

**CITY OF FINDLAY
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY
FOR THE YEAR OF 2014**

The following information is provided as a report of operations in the Engineering Department for the year 2014. Corresponding years 2012 and 2013 are shown for comparison.

NEW SANITARY SEWER

	<u>2014</u>	<u>2013</u>	<u>2012</u>
8" Force Main	0 LF	0 LF	0
4" Force Main	0 LF	0 LF	0
6"	0 LF	0 LF	0
8"	1,870 LF	327 LF	2,019
10"	768 LF	0 LF	0
12"	0 LF	0 LF	0
15"	0 LF	0 LF	0
18"	0 LF	0 LF	0
TOTALS	<u>2,638 LF</u>	<u>327 LF</u>	<u>2,019</u>

SANITARY SEWER PERMITS ISSUED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Outside City	53	48	53
Inside City	90	53	35
TOTALS	<u>143</u>	<u>101</u>	<u>88</u>

SANITARY SEWER FEES COLLECTED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Tap/Inspection Fees	\$13,567.00	\$8,505.00	\$7,665.00
Impact/Capacity Fees	\$192,303.00	\$61,545.00	\$56,181.00
Rotary Fees	\$2,200.00	\$4,686.00	\$6,165.36
	<u>\$208,070.00</u>	<u>\$74,736.00</u>	<u>\$70,011.36</u>

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**OPERATIONS SUMMARY
FOR THE YEAR OF 2014**

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NEW STORM SEWER

	<u>2014</u>	<u>2013</u>	<u>2012</u>
6"	0 LF	0 LF	0 LF
8"	0 LF	0 LF	55 LF
10"	0 LF	0 LF	90 LF
12"	0 LF	504 LF	3,136 LF
15"	0 LF	25 LF	1,712 LF
18"	0 LF	370 LF	1,892 LF
21"	0 LF	0 LF	721 LF
24"	0 LF	2,666 LF	4,984 LF
27"	0 LF	0 LF	45 LF
30"	0 LF	317 LF	60 LF
36"	0 LF	48 LF	1,760 LF
42"	0 LF	0 LF	0 LF
48"	0 LF	0 LF	2,740 LF
54"	0 LF	0 LF	0 LF
60"	0 LF	0 LF	0 LF
84"	0 LF	0 LF	0 LF
TOTALS	0 LF	3,930 LF	17,195 LF

STORM SEWER PERMITS ISSUED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Outside City	46	41	41
Inside City	47	39	36
TOTALS	93	80	77

STORM SEWER FEES COLLECTED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Impact Fees	\$8,575.00	\$6,930.00	\$6,755.00

**CITY OF FINDLAY
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY
FOR THE YEAR OF 2014**

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NEW WATERLINE

	<u>2014</u>	<u>2013</u>	<u>2012</u>
6"	1,227 LF	600 LF	968 LF
8"	655 LF	1,392 LF	5,874 LF
10"	0 LF	0 LF	13 LF
12"	667 LF	0 LF	5,398 LF
16"	0 LF	0 LF	535 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>2,549 LF</u>	<u>1,992 LF</u>	<u>12,788 LF</u>

WATER SERVICE PERMITS ISSUED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Outside City	64	58	53
Inside City	73	42	29
TOTALS	<u>137</u>	<u>100</u>	<u>82</u>

WATER FEES COLLECTED

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Tap/Meter Fees	\$138,625.00	\$106,725.00	\$91,925.00
Rotary Fees	\$41,281.02	\$5,588.00	\$10,340.00
TOTALS	<u>\$179,906.02</u>	<u>\$112,313.00</u>	<u>\$102,265.00</u>

Impact Fees

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NEW PAVEMENT (HARD SURFACE WITH CURB)

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Total(construction and annexations)	1.09 Miles	0.23 Miles	0.35 Miles

STREET RESURFACING

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Total Increase	20,677 LF 3.91 Miles	43,384 LF 8.22 Miles	20,714 LF 3.92 Miles

CURB CUT PERMITS

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Permits Issued	62	43	33
Fees Collected	\$1,500.00	\$1,100.00	\$775.00

SIDEWALK PERMITS

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Total Repaired	3327 LF	3424 LF	3112 LF
Total Constructed	3400 LF	4239 LF	2522 LF
Permits Issued	102	99	123

ANNEXATIONS

	<u>2014</u>	<u>2013</u>	<u>2012</u>
Total Increase	276.623 Acres 0.432 Sq Mi.	0.000 Acres 0.000 Sq Mi.	0.000 Acres 0.000 Sq Mi.

**CITY OF FINDLAY
DEPARTMENT OF ENGINEERING**

**OPERATIONS SUMMARY
FOR THE YEAR OF 2014**

WATERLINES

Total through 2013	315.01 Miles
Constructed - 2014	0.48 Miles
Removed - 2014	0.00 Miles
TOTAL through 2014	315.49 Miles

SANITARY SEWERS

Total through 2013	295.28 Miles
Constructed - 2014	0.50 Miles
Removed - 2014	0.00 Miles
TOTAL through 2014	295.78 Miles

STREET RIGHT-OF-WAY AND PAVEMENT

Hard surface with curb through 2013	133.11 Miles
Hard surface without curb through 2013	61.48 Miles
TOTAL pavement through 2013	194.59 Miles
TOTAL Right-of-Way through 2013	194.21 Miles
Vacated -2014	
Hard surface with curb	0.32 Miles
Hard surface without curb	0.00 Miles
Right-of-way	0.32 Miles
Constructed - 2014	
Hard surface with curb	0.00 Miles
Hard surface without curb	0.00 Miles
Dedicated - 2014	
Right-of-way	0.00 Miles
Annexed - 2014	
Hard surface with curb	0.86 Miles
Hard surface without curb	0.00 Miles
Right-of-way	0.86 Miles
TOTAL Hard Surface with curb	133.65 Miles
TOTAL Hard Surface without curb	61.48 Miles
TOTAL Pavement through 2014	195.13 Miles
TOTAL Right-of-way through 2014	194.75 Miles

ANNEXATIONS

Total through 2013		19.6364 Sq. Miles
Annexations - 2014	276.627 Acres	0.4322 Sq. Miles
TOTAL through 2014		20.0686 Sq. Miles