

HAMILTON COUNTY OHIO

2016 ANNUAL REPORT

THEODORE B. HUBBARD, P.E.-P.S.
HAMILTON COUNTY ENGINEER



TIMOTHY P. GILDAY, P.E.-P.S.
Chief Deputy Engineer

February 25, 2016



**THEODORE B. HUBBARD, P.E.-P.S.
HAMILTON COUNTY ENGINEER**

To the County and Township Officials:

It is an honor and privilege to welcome you to the 2016 Annual Meeting of County and Township Officials. I would like to personally thank you for your ongoing cooperation, which is a testament that local governments can work together without an expensive and cumbersome bureaucracy.

Salt prices are finally in line with market supply and demand. As you may recall, the below market prices two years ago at \$45 / ton made it impossible to get timely refills. The above market prices of last year at \$104 / ton forced us to utilize grit material with the salt. The current \$70 / ton price of salt ensures refill supplies should be available.

Limited revenues and the rising construction costs needed to address aging infrastructure continue to be a universal concern on federal, state and local levels. An open and honest dialog is required so that we can converge on a revenue generating system that emphasizes user fees, restricts usage based on source of funding, incorporates private sector participation from those who directly benefit and improves efficiency by dramatically reducing unnecessary bureaucracy.

Maximizing the efficient use of local road and bridge revenue continues to be a priority. The Hamilton County Engineer's Office (HCEO) has sustained the program of verifying license fee registrations to ensure funding is being directed to the appropriate jurisdiction. The successful collaboration between the Hamilton County Sheriff's Office and the HCEO continues to preserve infrastructure by enforcing commercial vehicle laws. Currently a process is being examined that could potentially reduce the fuel fees paid in association with some of the vehicle types operated by the HCEO.

Leveraging local transportation dollars continues to be important in order to maximize the delivery of capital improvement projects. The overall 2015 Construction Program with inclusion of the 20% Fund Program and the Municipal Road Program is reported to be over 7 times as large as the local funding provided from resources administered by the HCEO.

The announcement that the of the federal \$305 billion Fixing America's Surface Transportation (FAST) Act was passed into law in December of 2015 is good news. This bill will provide federal funds to the states so that there is some improved degree of certainty for the planning of major projects. Unfortunately, since the federal gas tax has not been adjusted since 1993, the gas tax will not be able to fund the FAST Act without supplements from other federal sources. This situation could create additional difficulties as attempts are made to develop acceptable funding strategies for mega projects such as the Brent Spence Bridge and Western Hills Viaduct.

The HCEO is working with other County Engineers across Ohio to have legislation passed by the General Assembly to give counties the option to enact additional permissive auto fees. Implementation would require local approval. Only infrastructure improvements could be funded from this source. All urban jurisdictions could benefit from this legislation.

The following report provides an overview of our past year activities as well as our goals and projects for the future. Please review the enclosed material as well as the exhibits on display. Your input and partnership are most deeply appreciated and essential for the achievement of our collective goal to make Hamilton County the best place to live and to work.

Your questions, comments and suggestions, as always, are most welcome and deeply appreciated.

Very truly yours,

Theodore B. Hubbard, P.E.-P.S.
Hamilton County Engineer



Table of Contents

Ted Hubbard Welcome Letter	2
Table of Contents	3
Contact Information	4
Hamilton County Facts & Data	5
Engineer's Office Functions	6-9
License Revenue Program	10
Motor Vehicle Registration.....	11
License Revenue-Township Distribution	12-13
License Revenue-Annual Distribution	14-17
OPWC Projects for 2016.....	18-21
Projected 2016 and 2017 Roadway Projects	22
Projected 2016 and 2017 Bridge/Slide Projects	23
2015 Construction Projects	24
2015 Paving Information.....	25
Financial Report.	26-31
Traffic Department Information	32-33
County Snow & Ice.....	34
2015 Snow Roadeo Winners.....	35

CONTACT US

We strongly recommend our web site at www.hamilton-co.org/engineer for the latest , and pertinent information. At the web site you can view project and construction news, Hamilton County Storm Water District information, order maps and much more. Departmental information is available on our web site.

Address: 138 East Court Street, Room 700
County Administration Building
Cincinnati, Ohio 45202
Voice: 513.946.4250
Fax: 513.946.4288
Internet: [**www.hamilton-co.org/engineer**](http://www.hamilton-co.org/engineer)
Email: hce.webmaster@hamilton-co.org



CONTACT INFORMATION

HAMILTON COUNTY, STATE OF OHIO

Formed in 1790, Population 2012 Census 802,038 with 414 Square Miles,
12 Townships, 36 other Municipalities, and City of Cincinnati, and over 360,000 parcels of land.

THEODORE B. HUBBARD, P.E.-P.S. HAMILTON COUNTY ENGINEER

Phone: 513-946-8902
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Fax: 513-946-4288
Fax: 513-946-8901

Hamilton County Administration Building
138 East Court Street, Room 700
Cincinnati, OH 45202-1258
www.hamilton-co.org/engineer
Email: Ted.Hubbard@hamilton-co.org

Office Hours Monday -Friday: 7:30-4:00

General Information	County Administration Building	946-4250	
General Information	Burlington Facility	946-8900	
Tim Gilday P.E.-P.S.	Chief Deputy Engineer/Engineer Services	946-8914	
Eric Beck P.E.	Deputy Engineer/Field Operations	946-8432	
Todd Gadbury P.E.	Planning and Design Engineer	946-8445	
Greg Gelhausen	Fleet Superintendent	946-8409	
Robert Heidkamp P.S.	Deputy Surveyor, GIS, Computer	946-4265	
Todd Long P.E.-P.S.	Deputy Engineer / Records/ Storm Water	946-4254	
Bill Luchsinger CPA	Fiscal Officer	946-4255	
Mark McGownd	Fleet Superintendent	946-8409	
Charlene Vollhardt	Compliance Officer	946-8431	
Gina Stammer	Administrative Secretary	946-8902	
Tom Brayshaw P.E.	Professional Engineer Bridge Department	946-8419	
Rob Duncan	Western Maintenance Supervisor	946-4968	
Rick Feller	Sign Shop	946-8415	
Jim Hetzel P.S	Professional Surveyor	946-4263	
Robin Hopper	Purchasing Agent I (Field Office)	946-8404	
Jay Jones	Information System Manager	946-4270	
Michelle McMullen	Road Records Supervisor	946-4299	
Kirk Music	Eastern Maintenance Supervisor	946-4978	
Jeff Newby P.E.	Professional Engineer Traffic Department	946-8421	
Mike Rodziewicz P.S.	Tax Map, GIS	946-4284	
Mike Roach	Central Maintenance Supervisor	946-8922	
Fred Schlimm	Project Funding Coordinator	946-8912	
Tom Spille	Traffic Signals Foreman	946-8412	
Dennis Vitolo	Tax Map Supervisor	946-4259	
Caroline Waddle	Human Resources Supervisor	946-4271	
Board of County Commissioners	946-4400	Animal Shelter (SPCA)	541-6100
County Administrator	946-4420	Hamilton County Public Health	946-7800
Cincinnati Metropolitan Housing	721-4580	Job & Family Services	946-1000
Community Development	946-8230	Mental Health & Recovery Board	946-8600
County Auditor	946-4000	Developmental & Disabilities Services	794-3300
Building Commissioner	946-4550	Metropolitan Sewer District	244-5500
Clerk of Courts-Auto Title	946-4646	Ohio Kentucky Indiana (OKI)	621-6300
Communications Center	825-2170	Hamilton County Park Board	521-7275
County Prosecutor	946-3000	Planning & Development	946-4550
Hamilton County Coroner	946-8700	Hamilton County Recorder	946-4600
County Facilities	946-5000	Regional Computer Center	352-6400
County Personnel	946-4700	Hamilton County Sheriff	946-6400
Board of Education	674-4200	Soil & Water Conservation	772-7645
Board of Elections	632-7000	Hamilton County Treasurer	946-4800
Emergency Management	263-8200	Veterans Service Commission	946-3300
Environmental Services	946-7777	Zoning	946-4502

Hamilton County Facts and Data

GENERAL DATA

Population (2012) 802,038 (Including Municipalities)
 State Rank 3rd

Area 414 square miles

Source: Hamilton County Regional Planning Commission

Courthouse elevation 548 Feet
 Highest elevation 1,072 Feet (Rumpke Landfill)
 Lowest elevation 450 Feet (Ohio River)
 Highest Natural elevation 962 Feet Water Tower @ North Bend & Colerain

2012 POPULATION

Anderson Twp.	43,515	Harrison Twp.	3,999
Colerain Twp.	58,557	Miami Twp.	10,683
Columbia Twp.	4,532	Springfield Twp.	36,323
Crosby Twp.	2,761	Sycamore Twp.	19,202
Delhi Twp.	29,480	Symmes Twp.	14,721
Green Twp.	58,412	Whitewater Twp.	5,496

TOTAL 287,681

Source: Hamilton County Regional Planning Commission.

Information available to the public includes:



Surveys
 Field Notes
 Section Corners



Benchmarks (survey monuments with State Plane Coordinates and Elevation)

Tax Maps (shows property lines, roads, subdivision names, Book-Page-Parcel)

HAMILTON COUNTY ENGINEER'S OFFICE

THEODORE B. HUBBARD, P.E. - P.S.

www.hamilton-co.org/Engineer



MAINTENANCE DEPT.

- Largest Department in Engineer's Office
- Maintains Roadways
 - Snow & Ice Removal in winter
 - Fix potholes
 - Cut brush/mow in Right of Way
 - Stabilize road & hill slips
 - Pipes/walls/piers & guardrails
 - Roadkill & foreign object removal
- 3 Divisions & 2 Substations
 - Divisions
 - Eastern - located in Newtown
 - Central - located in Burlington Area
 - Western - located just outside Miamitown
 - Substation (locations)
 - Delhi Township
 - City of Harrison
 - Service Garage & Traffic Dept
 - Hartwell

For more information visit:
www.hamilton-co.org/engineer/maintenance.htm
or scan the QR Code to the right -->



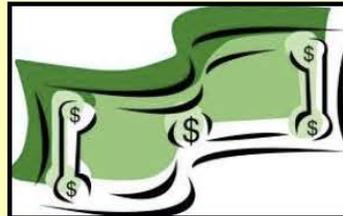
BUDGET DEPT.

- Budget of \$20 mil + for roads & bridges
- Responsible for procurement of equipment & materials for projects
- Monitors payroll & Capital Improvement Projects

How the Engineer's Office is funded

- Fuel taxes
- Motor Vehicle Registration Fees
- Supplemental Funds (voted bond issues & levies, as well as fines)

For more information visit:
www.hamilton-co.org/Engineer/budget.htm
or scan the QR Code to the right -->



ONLINE INFORMATION

- Engineer's Office Manuals
 - Subdivision Manual
 - Driveway Manual
 - Right of Way Manual
 - Transfer & Conveyance Standards
 - Benchmarks
 - Section Corners
- For this information and more visit:
www.hamilton-co.org/engineer/taxmaps_new.htm
 or scan the QR Code to the right -->



ONLINE INFORMATION

- CAGIS Online
 - Tax Maps
 - Old Index Sheets
 - Surveys
 - Topographic Maps
- For the CAGIS map visit:
<http://cagisonline.hamiltonco.org/cagisonline/index.html>
 or scan the QR Code to the right -->



PLANNING & DESIGN DEPT.

- Responsible for all improvement plans for county roads
- Includes
 - Development of improvement concept
 - Preparation and/or review of detailed plans
 - Acquisition of easements and/or Right of Way
 - Preparation of notes and quantities for bidding
 - Selection of contractor for improvements
- Project types include
 - Road/Lane widening
 - Drainage/storm sewer improvements
 - Installation/repair of guardrails
 - Sidewalk replacement
 - Resurfacing of pavement
- Capital Improvement Program

For more information visit:
www.hamilton-co.org/engineer/planning_design.htm
 or scan the QR Code to the right -->



HAMILTON COUNTY STORM WATER DISTRICT (HCSWD)

- Administered by The Hamilton County Engineer's Office
- In partnership with other offices
 - Hamilton County Soil and Water Conservation District
 - Hamilton County Department of Planning and Development
 - Hamilton County Public Health
 - City of Cincinnati Stormwater Management Utility
 - The Metropolitan Sewer District of Greater Cincinnati
- Goals
 - Protection of Watersheds
 - Compliance with federal storm water permit requirements
 - Minimize impact of local flooding
 - Improvement of overall health of local rivers, streams, & creeks
- Membership of District
 - 38 of 49 jurisdiction in Hamilton County including all 12 townships

For more information visit:
www.hamilton-co.org/stormwater/
 or scan the QR Code to the right -->



For more information visit:
www.savelocalwaters.org/
 or scan the QR Code to the right -->



HAMILTON COUNTY ENGINEER'S OFFICE

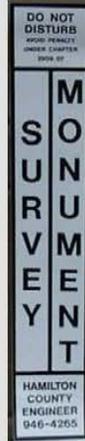
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SURVEY/GIS DEPT.

- Land Surveying
- Record Keeping
 - Tax Maps
 - Benchmarks
 - Surveys
 - Section & Military Survey Corners
- Maintain Tax Maps
- Review of Deeds
- Editing of data for CAGIS



For more information visit:
www.hamilton-co.org/Engineer/survey_GIS.htm
or scan the QR Code to the left <--

For Recorders Plat Books Pre Apr 2003 visit:
http://recordersoffice.hamilton-co.org/helpful_information/plats.html
or scan the QR Code to the right -->



For the CAGIS map visit:
<http://cagisonline.hamilton-co.org/cagisonline/index.html>
or scan the QR Code to the left <--



CONSTRUCTION/PERMITS DEPT.

- Issues Permits for work done in Public Right of Way & Subdivisions

PERMITS

- Inspection of projects to ensure compliance with Permit Regulations
- Investigates complaints from public
 - Obstructions of Right of Way
 - Drainage problems
 - Illegally placed advertising in Right of Way
 - Problems due to new construction

CONSTRUCTION

- Inspection to validate fulfillment of contract

-Projects include:

- Intersection widening
- Sidewalk installation
- Storm sewer installation
- Road resurfacing

- Assist townships with road improvements

For more information visit:
www.hamilton-co.org/engineer/permits_const.htm
or scan the QR Code to the right -->



ONLINE INFORMATION

- Engineer's Office Manuals
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TRAFFIC DEPT.

The traffic department is responsible for the operation of 165 traffic signals, the maintenance of the pavement markings and over 19,000 signs, and performs and reviews traffic studies.

The Signal Shop maintains the traffic signals and school flashers, performs quarterly inspections, adjust signal timings, upgrades equipment(i.e. pedestrian countdown signals, addition of uninterruptable power supplies, new controller units).

The Sign Shop performs the long line and intersection striping on the county roadways, plus the manufacturing and installation of roadway signs.

The Traffic Department performs a number of zone and traffic studies

- School Zones
- Speed Zones
- No Parking Zones
- Pedestrian Safety Zones
- Curve Advisory Speed Studies
- Sight Distance Studies
- Traffic Signal Warrant Studies
- All-Way Stop Warrant Studies
- Yearly traffic counts at intersections
- Yearly crash analysis of intersections
- Yearly sign inspection to retroreflectivity standards
- Review of Traffic Impact Studies for developments
- Review of traffic control plans

For more information visit:
www.hamilton-co.org/Engineer/traffic.htm
 or scan the QR Code to the right -->



BRIDGE DEPT.

The Bridge Department is responsible for the inspection and maintenance of 421 bridges on the County roadway system. By state law, each structure must be inspected annually.

- Annual inspection of all county and township bridges
- Underwater inspections of below water features.
- Load Ratings performed for each structure per federal law.
- Submission of all inspection reports to the Ohio Department of Transportation.

Responsible for all plans for improvements or replacement of county bridges:

- Development of improvement concept.
- Preparation and/or review of detailed plans.
- Preparation of notes and quantities for bidding.
- Selection of contractor for improvements.
- Inspection and project management of bridge and retaining wall projects.

The Bridge Department also designs and constructs retaining structures to correct landslides, which affect the public right of way.

The Bridge Department oversees the daily work of the bridge maintenance crew. The "Bridge Crew" completes routine maintenance and minor repairs to keep the structures and retaining walls functioning as designed.

For more information visit:
www.hamilton-co.org/Engineer/Bridges.htm
 or scan the QR Code to the right -->



LICENSE Revenue 20% License Revenue Program



Each year the County Engineer has distributed to the Townships a portion (20%) of the License Revenue added in 1989. Funding amounts this year are based upon the 2015 Motor Vehicle Registrations (MVR). The Townships leverage these funds with a State Capital Improvement Program, Community Development Program, License Revenue Improvement Program, etc. This leveraging of funds will have a great impact on improving the infrastructure within Hamilton County and our Townships. The Office of the Hamilton County Engineer forwards application forms to each township annually. The Townships complete the forms and return them to the Engineer for review and prioritizing. After the review process, the Engineer presents findings and recommendations to the Board of Hamilton County Commissioners for final authorization.

When approved by the Board of Hamilton County Commissioners, the Clerk of the Board issues a Volume and Image number to record the legislation. The Townships that have approved projects are sent a letter informing them of the approval.

The Township may request a warrant by a letter of invoice to the Engineer for the funds to be dispersed. The letter must include the dollar amount being requested, the project name, and the year of approval for 20% funding. The Hamilton County Auditor’s Office issues payment directly to the Township. The funds are for use on the project specified. When the project is complete, the Township is expected to submit a full accounting to the Engineer. Funds not required for the named project are to be returned to the Engineer.

Funding Source

The 20% program funding is from funds received from the sale of license plates within the Township limits. This year, each Township receives an allotment percentage based on the year 2015 actual Motor Vehicle Registrations. This Fund provides approximately \$200,000.00 annually, and provides provisions for carry over.

Funds set aside for a Township for a 20% project must be paid to the Township, even if these monies ultimately must be returned to the Engineer. For example, in a case where the requested/approved project is to be performed by a Consultant/Contractor under the Engineer’s contract (such as engineering, resurfacing, etc.) the monies shall be requested as detailed and forwarded to the Township. The Engineer will notify the Township of payment due by copy of Consultant/Contractor invoice whereby the Township shall send payment to the Engineer who in turn pays the Consultant/Contractor. If the final contract amount is lower than the funding received from the 20% funds, the Township must return the balance to the Engineer for deposit back into the 20% fund account.



HAMILTON COUNTY MOTOR VEHICLE REGISTRATIONS

TYPE OF REGISTRATION	2014 DISTRICT UNITS*	2015 DISTRICT UNITS**	2014 TOWNSHIP UNITS*	2015 TOWNSHIP UNITS**
Passenger Car	611,439	629,814	234,140	238,845
Motor Homes	1,640	1,676	888	921
Motorcycles	17,713	18,244	8,099	8,249
House Vehicles	4,193	4,320	2,503	2,579
Mopeds	94	91	18	18
Non-Commercial Trailer	17,180	17,595	9,848	10,058
Non-Commercial Trucks	57,830	57,583	28,331	28,642
Farm Trucks	186	176	155	148
Buses	1,056	1,098	266	281
Commercial Trailers	10,673	11,338	4,367	4,329
Non IRP Trucks	37,706	38,794	11,311	11,818
IRP Trucks	7,330	7,413	3,628	3,249
Transfers	53,284	53,062	17,489	17,128
Conversions & Add Weight	85	63	44	426
TOTAL REGISTRATION:	820,409	842,267	321,087	326,291

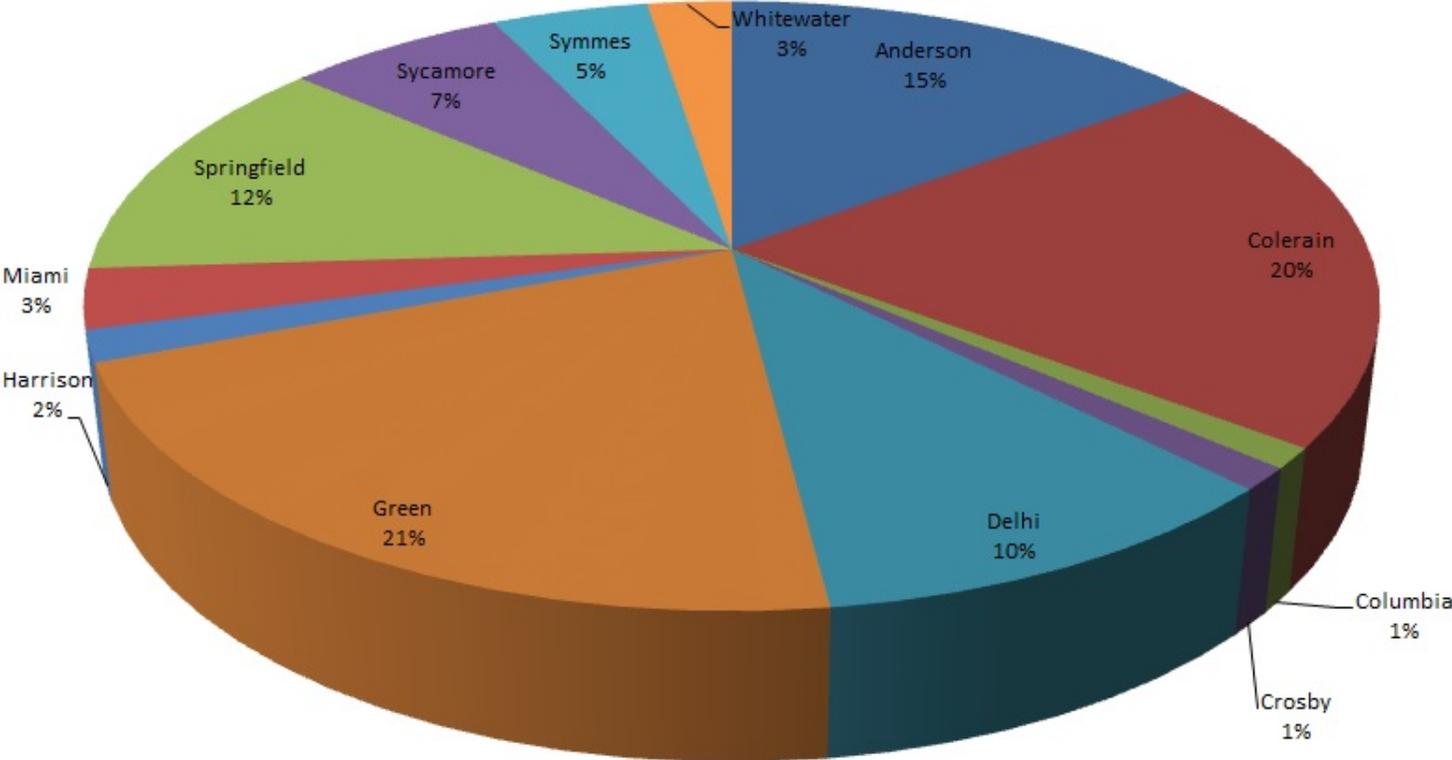
*Source: State of Ohio, Bureau of Motor Vehicles as of Dec 2014
 **Source: State of Ohio, Bureau of Motor Vehicles as of Dec 2015



LICENSE REVENUE TOWNSHIP DISTRIBUTION

TOWNSHIP	2015 M V R ANNUAL	2015 PERCENT	2016 YTD MONIES	2015 YTD AWARDED	2016 AVAILABLE
Anderson	\$29,560	14.78%	\$785,037	\$726,476	\$58,561
Colerain	\$40,327	20.16%	\$1,127,241	\$1,005,644	\$121,597
Columbia	\$2,808	1.40%	\$66,995	\$53,421	\$13,574
Crosby	\$2,737	1.37%	\$66,261	\$58,251	\$8,010
Delhi	\$18,151	9.08%	\$532,130	\$513,979	\$18,151
Green	\$41,270	20.64%	\$1,080,698	\$1,039,428	\$41,270
Harrison	\$3,769	1.88%	\$97,045	\$82,006	\$15,039
Miami	\$7,956	3.98%	\$173,332	\$156,727	\$16,605
Springfield	\$23,260	11.63%	\$626,734	\$603,474	\$23,260
Sycamore	\$14,501	7.25%	\$379,096	\$321,276	\$57,819
Symmes	\$10,590	5.29%	\$260,429	\$229,367	\$31,062
Whitewater	\$5,072	2.54%	\$133,818	\$123,732	\$10,086
Totals	\$200,000	100.00%	\$5,328,812	\$4,913,781	\$415,034

2015 TOWNSHIP DISTRIBUTION



License Revenue —Continued

ANNUAL TOWNSHIP DISTRIBUTION

<u>TOWNSHIP</u>	<u>PROJECT YEAR</u>	<u>P R O J E C T</u>	<u>APPROVED</u>	<u>YEAR PAID TWP</u>
ANDERSON				
	1990	PAVEMENT MANAGEMENT	\$11,050.00	1990
	1991	BARTELS	\$10,275.00	1991
	1992	BARTELS CONSTRUCTION	\$62,741.00	1992
	1994	SIGNAL HILL SLIDE REPAIR	\$50,000.00	1995
	1995	DEBOLT ROAD REHAB	\$10,000.00	1995
	1996	LAWYER POINT CANCELLED	\$0.00	n/a
	1997	PINEWELL DRIVE	\$50,000.00	1998
	1998	NAGEL/BEECHMONT	\$60,000.00	2000
	1999	RIVERBY DRIVE	\$18,100.00	2000
	1999	ENGINEERING FOR SCIP PROJECT	\$15,000.00	2000
	2000	AYERSHIRE WILSHIRE SUNWAY	\$30,000.00	2001
	2001	FOREST PARK SUBD	\$31,824.00	2001
	2002	FOREST LAKE SUBD	\$30,000.00	2002
	2003	PAVEMENT CONDITION SURVEY	\$12,000.00	2003
	2004	BRUNS LANE	\$48,710.00	2004
	2005	SIGNAL HILL	\$29,500.00	2006
	2006	COVENTRY WOODS	\$31,935.00	2006
	2007	2007 STREET RESURFACING	\$30,247.00	2007
	2008	2008 STREET RESURFACING	\$30,191.00	2008
	2009	2009 STREET REHABILITATION	\$29,442.00	2010
	2010	2010 RESURFACING	\$17,796.00	2011
	2012	DYER STREET REHABILITATION	\$29,349.00	2012
	2014	SHERWOOD SUBDIVISION	\$88,316.00	2014
	ANDERSON TOTAL:		\$726,476.00	
COLERAIN				
	1990	PAVEMENT REHAB EARL	\$4,600.00	1990
	1990	COLERAIN/SPRINGDALE INTERSECTION	\$20,000.00	1990
	1991	COLERAIN CORRIDOR STUDY	\$5,000.00	1991
	1991	EARL AVE RECONST, PH II	\$24,105.00	1991
	1991	SHELDON DR RECONST, ENGR ONLY	\$19,366.00	1991
	1992	ROUNDTOP, CLARA, MCGILL, PRECHTEL	\$31,700.00	1992
	1992	PRECHTEL	\$23,850.00	1997
	1993	1993 ISSUE 2 RESURFACING	\$48,113.00	1993
	1994	1994 RESURFACING	\$40,000.00	1994
	1995	COLERAIN CORRIDOR SUBAREA 1	\$85,630.00	1995
	1997	1997 RESURFACING	\$48,690.00	1998
	1998	1998 STREET REHABILITATION	\$43,580.00	1999
	1999	VARIOUS ROADS REPAIR PROJECT	\$43,580.00	2000
	2000	RESURFACING 2000	\$43,580.00	2000
	2001	RESURFACING 2001	\$43,580.00	2001
	2002	RESURFACING 2002	\$42,732.00	2002
	2003	VARIOUS ROAD RESURFACING	\$42,732.00	2003
	2004	2004 STREET REHABILITATION	\$42,522.00	2004
	2005	VARIOUS ROAD REHABILITATION	\$39,218.00	2005
	2006	2006 RESURFACING & CONCRETE WORK	\$40,390.00	2006
	2007	2007 STREET RESURFACING	\$40,035.00	2007
	2008	2008 STREET RESURFACING	\$40,035.00	2008
	2009	2009 STREET RESURFACING	\$40,035.00	2009
	2010	2010 RESURFACING	\$31,367.00	2010
	2011	2011 STREET RESURFACING	\$40,313.00	2011
	2012	2012 RESURFACING PROGRAM	\$40,313.00	2012
	2013	2013 RESURFACING PROGRAM	\$40,578.00	2013
	COLERAIN TOTAL:		\$1,005,644.00	

License Revenue—Continued

ANNUAL DISTRIBUTION

<u>TOWNSHIP</u>	<u>PROJECT YEAR</u>	<u>P R O J E C T</u>	<u>APPROVED</u>	<u>YEAR PAID TWP</u>
COLUMBIA				
	1992	PAVEMENT EVAL RIDGEWOOD SUBD	\$6,784.00	1992
	1995	1995 ROAD RESURFACING	\$7,116.00	1997
	1997	FAIRHURST DRIVE	\$4,744.00	1997
	1999	VARIOUS ROADS REPAIR PROJECTS	\$4,744.00	2001
	2000	RESURFACING 2000	\$2,372.00	2000
	2002	BERWICK STREET RESURFACING	\$4,210.00	2002
	2009	RIDGE & HIGHLAND	\$16,264.00	2010
	2011	STREET RESUFACING	\$7,187.00	2011
	COLUMBIA TOTAL:		\$53,421.00	
CROSBY				
	1999	VARIOUS ROADS REPAIR PROJECT	\$23,676.00	1999
	2002	RESURFACING 2002	\$6,988.00	2003
	2004	2004 STREET REHABILITATION	\$4,560.00	2006
	2009	2009 STREET RESURFACING	\$12,400.00	2011
	2011	ARISTOCRAT DRIVE CRACK SEALING	\$5,520.00	2012
	2013	CHIPSTONE DRIVE	\$5,107.00	2013
	CROSBY TOTAL:		\$58,251.00	
DELHI				
	1990	PAVEMENT MGMT SURVEY & PROGRAM	\$14,750.00	1990
	1990	PAVEDEX STUDY	\$3,935.00	1990
	1991	PAVEDEX STUDY	\$2,805.00	1991
	1991	FAYSEL DRIVE	\$26,500.00	1991
	1992	PAVEMENT MGMT UPDATE/UPGRADE	\$9,749.00	1992
	1993	DYNAFLECT TESTING OF ROADS	\$13,840.00	1993
	1994	SALT DOME FACILITY	\$105,000.00	1994
	1998	PAVEMENT MGMT STUDY	\$9,355.00	1998
	2000	PAVEMENT MGMT SYSTEM UPGRADE	\$11,300.00	2000
	2001	PAVEMENT MGMT STUDY	\$24,100.00	2002
	2004	PAVEMENT MGMT STUDY	\$15,500.00	2004
	2005	2005 STREET REHABILITATION	\$98,800.00	2005
	2006	PAVEMENT MGMT STUDY	\$15,500.00	2006
	2007	2007 STREET RESURFACING	\$22,768.00	2008
	2008	2008 STREET RESURFACING	\$18,534.00	2008
	2009	2009 STREET RESURFACING	\$18,692.00	2009
	2010	PMS Road Condition Survey	\$11,091.00	2010
	2011	2011 STREET RESURFACING	\$18,549.00	2011
	2012	2012 STREET REHABILIAIYON PROGRAM	\$18,549.00	2012
	2013	2013 STREET REHABILITATION PROGRAM	\$18,400.00	2013
	2014	2014-A STREET REHABILITATION PROGRAM	\$18,186.00	2014
	2015	2015-A STREET REHABILITATION PROGRAM	\$18,076.00	2015
	DELHI TOTAL:		\$513,97900	
GREEN				
	1990	WYNNBURNE DRIVE	\$41,735.00	1990
	1991	WHITE OAK DR REHABILITATION	\$40,000.00	1991
	1991	GREENWAY, WOODHAVEN, MOONRIDGE	\$10,885.00	1991
	1992	RECONSTRUCT/REHAB LA GRANGE LN	\$27,298.00	1992
	1993	RIDGEDALE DRIVE REHAB	\$37,053.00	1993
	1994	TURF LANE REHAB	\$38,000.00	1994
	1995	MENZ LANE	\$39,910.00	1995
	1996	STEVIE LANE	\$41,370.00	1996
	1997	SUMMERDALE DRIVE	\$39,000.00	1997
	1998	1998 STREET REHABILITATION	\$41,775.00	1998
	1999	CLEARVIEW AV REHABILITATION	\$40,000.00	1999

License Revenue —Continued
ANNUAL DISTRIBUTION

<u>TOWNSHIP</u>	<u>PROJECT YEAR</u>	<u>P R O J E C T</u>	<u>APPROVED</u>	<u>YEAR PAID TWP</u>
GREEN TOWNSHIP				
(CONT. From page 11)				
	2000	HAUBNER RD REHABILITATION	\$41,772.00	2000
	2001	VALLEYBROOK DRIVE	\$39,860.00	2001
	2002	RUEBEL PLACE	\$39,884.00	2002
	2003	TALLOAK COURT RESURFACING	\$39,884.00	2003
	2004	LINSAN DRIVE REHABILITATION	\$40,000.00	2004
	2005	EPLEY ROAD IMPROVEMENT (SCIP MATCH)	\$40,000.00	2005
	2006	FLORIDALE LANE	\$40,000.00	2006
	2007	2007 STREET RESURFACING	\$41,700.00	2007
	2008	2008 STREET RESURFACING	\$41,700.00	2008
	2009	2009 STREET RESURFACING	\$41,700.00	2009
	2010	2010 STREET RESURFACING	\$31,788.00	2011
	2011	2011 STREET RESURFACING	\$40,469.00	2011
	2012	2012 STREET RESURFACING	\$40,469.00	2012
	2013	2013 STREET REHABILITATION PROGRAM	\$40,502.00	2013
	2014	2013 STREET REHABILITATION PROGRAM	\$40,927.00	2014
	2015	2015 STREET REHABILITATION PROGRAM	\$41,747.00	2015
	GREEN TOTAL:		\$1,039,428.00	
HARRISON				
	1991	LEES CREEK ROAD	\$18,651.00	1992
	1995	1995 ROAD REHAB	\$3,633.00	1995
	1996	HOPPING SLIDE	\$25,000.00	1997
	2007	2007 STREET RESURFACING	\$18,442.00	2007
	2014	FARMLAND DRIVE	\$16,280.00	2014
	HARRISON TOTAL:		\$82,006.00	
MIAMI				
	1993	TOWER ROAD RESURFACING	\$5,612.33	1993
	1997	PICKWAY DRIVE	\$53,793.00	1997
	2002	FROGTOWN STREET IMPROVEMENTS	\$11,912.00	2003
	2004	QUADRANT DRIVE RESURFACING	\$11,300.00	2004
	2007	2007 STREET RESURFACING	\$20,000.00	2008
	2010	2010 RESURFACING	\$23,110.00	2011
	2014	WHISPERING FARM TRAIL	\$31,000.00	2014
	MIAMI TOTAL:		\$156,727.33	
SPRINGFIELD				
	1990	FEASIBILITY STUDY-DRAINAGE/ST. REHAB	\$27,034.00	1990
	1991	HOLYHCK,FALMTH,CHRSTOPL,RYNRD	\$16,000.00	1991
	1992	HOLYHCK,FALMTH,CHRSTOPL,RYNRD	\$32,823.00	1992
	1993	EDGEMONT TERRACE ENGR	\$24,700.00	1993
	1994	MT HEALTHY HGTS	\$24,634.00	1995
	1995	HOLLYHOCK SUBD	\$24,733.00	1995
	1996	EDGEMONT TERRACE	\$24,689.00	1996
	1997	1997 RESURFACING	\$24,689.00	1998
	1998	1998 RESURFACING	\$24,689.00	1999
	1999	VARIOUS ROADS REPAIR PROJECTS	\$24,689.00	1999
	2000	RESURFACING 2000	\$24,689.00	2000
	2001	RESURFACING 2001	\$24,689.00	2001
	2002	WINTONDALE SUBD RESURFACING	\$21,668.00	2002
	2003	MILLBROOK SUBD	\$21,668.00	2003
	2004	PAVEMENT MANAGEMENT SYSTEM STUDY	\$14,200.00	2004
	2005	2005 STREET REHABILITATION	\$26,610.00	2005
	2006	2006 RESURFACING	\$22,162.00	2006
	2007	2007 STREET RESURFACING	\$22,479.00	2007
	2008	2008 STREET RESURFACING	\$22,479.00	2008
	2009	2009 STREET RESURFACING	\$22,952.00	2009

License Revenue—Continued

ANNUAL DISTRIBUTION

<u>TOWNSHIP</u>	<u>PROJECT YEAR</u>	<u>P R O J E C T</u>	<u>APPROVED</u>	<u>YEAR PAID TWP</u>
<i>SPRINGFILED</i>				
(CONT. From page 12)				
	2010	2010 RESURFACING	\$16,567.00	2010
	2011	2011 STREET RESURFACING	\$22,913.00	2011
	2012	2010 RESURFACING	\$22,913.00	2012
	2013	2013 ROAD IMPROVEMENT	\$22,724.00	2013
	2014	2014 PAVEMENT REJUVINATION PROGRAM	\$22,863.00	2014
	2015	2014 PAVEMENT REJUVINATION PROGRAM	\$11,072.00	2015
	2015	2015 PAVEMENT REJUVINATION PROGRAM	\$12,146.00	2015
	SPRINGFIELD TOTAL:		\$603,474.00	
<i>SYCAMORE</i>				
	1991	91 ROAD IMPROVE PROG (91-04 RESURF)	\$40,000.00	1991
	1993	JUD, HUDDLESTON, ESTERMARIE DRIVE REHB	\$19,043.22	1994
	1994	1994 RD IMPROVEMENT	\$6,383.00	1994
	1995	1995 RD IMPROVEMENT	\$17,868.00	1995
	1996	1996 RD RESURFACING	\$13,800.00	1997
	1997	1997 RESURFACING	\$13,800.00	1997
	1998	1998 RESURFACING	\$13,800.00	2000
	1999	1999 RESURFACING	\$13,800.00	2000
	2000	KUGLER MILL	\$13,800.00	2001
	2001	HIGH POINT SUBD	\$13,800.00	2002
	2002	2002 RESURFACING	\$15,006.00	2002
	2003	GOLDCOAST, REDSKY, PALACE	\$15,006.00	2004
	2004	GOLDCOAST, REDSKY, PALACE	\$12,983.00	2004
	2005	2005 STREET REHABILITATION	\$14,968.00	2005
	2006	STURBRIDGE SUBDIVISION	\$15,455.00	2008
	2008	2008 STREET RESURFACING	\$29,605.00	2008
	2009	STURBRIDGE SUBDIVISION	\$14,588.00	2009
	2012	STREET REHABILITATION	\$37,571.00	2012
	SYCAMORE TOTAL:		\$321,276.22	
<i>SYMMES</i>				
	1990	ARNOLD LANE IMPROVEMENT	\$12,910.00	1990
	1991	ARNOLD LN IMPROVE, ADD'L ENGR	\$7,975.00	1991
	1992	EMERGENCY SIGNAL	\$3,900.00	1992
	1994	SHORE DR REPAIR	\$9,800.00	1994
	1996	SALT DOME	\$80,495.54	1996
	2005	SALT DOME	\$60,000.00	2006
	2013	2013 RESURFACING	\$54,286.00	2013
	SYMMES TOTAL:		\$229,366.54	
<i>WHITEWATER</i>				
	1995	MIAMITOWN STORM SEWER & RESURF	\$30,000.00	1995
	1997	FURLONG DRIVE	\$10,000.00	1997
	2000	LUTHER LANE	\$15,696.00	2001
	2014	MIAMITOWN STREETS REHABILITATION	\$68,036.00	2001
	WHITEWATER TOTAL:		\$123,732.00	
TOTAL TOWNSHIP EXPENDITURES				
TO DATE			\$ 4,913,781.09	

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OWNSHIP AND COUNTY ENGINEER PROJECT DESCRIPTIONS



FOR PROGRAM YEAR 2015

DISTRICT 2 - HAMILTON COUNTY & TOWNSHIP

Hamilton County Projects

Galbraith Road (Cheviot to Georgianna)

Estimated cost \$2,234,880. Improvements included pavement reconstruction, the addition of a left-turn lane on westbound Galbraith for Cheviot Road and construction of new sidewalk beginning at Cella Drive and ending at Cheviot Road. A SCIP grant of \$1,542,067 was awarded for this project. Construction completed in 2015.

Hopper Road Storm Sewer

Estimated cost \$403,575. Reconstruction and realignment of existing storm sewer. Project limits begin at house number 8036 Hopper Road and terminate at house number 8141 (approximately 1,085'). An interest free SCIP loan was awarded for the total cost of this project. This project was completed in 2015.

Sheed Road Bridge B-0225

Estimated cost \$687,625. B-0225 is located approximately .575 mile east of the westernmost intersection with Gaines Road. The bridge was reconstructed with composite pre-stressed concrete box beams, modified concrete abutments, approach slabs, and bridge rail. An interest free SCIP loan was awarded for the total cost of this project. This project was completed in 2015.

Blue Rock & Cheviot Roads Intersection Improvements

Estimated cost \$3,930,000. Blue Rock & Cheviot Roads are to be widened and reconfigured to improve alignment and operation. Improvements to include the relocation of the northern intersection of Blue Rock and Cheviot Roads to a point 400' north of its present location and construction of sidewalk. A Surface Transportation Program (STP) grant of \$3,144,000 and an LTIP grant of \$786,000 have been awarded for this project. Construction to begin in 2016, with completion in 2017.

Meredith Road

Estimated cost \$5,245,000. The entire length of Meredith Road is to be reconstructed beginning at Hamilton Avenue (US 127) and terminating at Daly Road. A SCIP grant of \$3,147,000 has been awarded for this project. Construction to begin in 2016 and be completed in 2017.

Pippin Road (Springdale to Compton)

Estimated cost \$4,043,174. Project components include rehabilitation of the pavement including the construction of curb and an enclosed drainage system replacing the roadside ditch drainage system in place; widening of the pavement to construct turn lanes at Cornwall Drive, Glenaire Drive, Adams Road, Hyannis Drive, and Brampton Drive; widening of all 11' lanes to 14'; replacement of the existing asphalt sidewalk with concrete walk; replacement of three culverts; adding storage capacity to left turn lanes at Springdale Road, and for the right turn lane at North Compton; replacement of traffic signals to permit protected left turn movement for all approaches at Springdale Road; installation of a traffic signal at Pippin & Adams. An LTIP grant of \$1,138,854 has been awarded for this project as well as \$2,500,000 in STP funds. Construction to begin in 2016 and be completed in 2017.

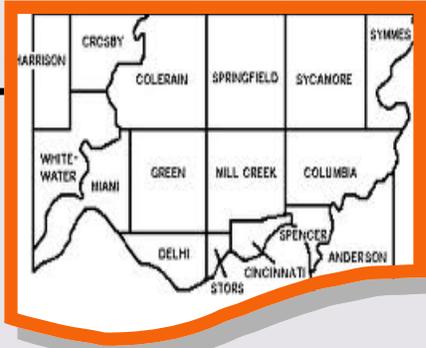
John Gray Road Bridge B-0135

Estimated cost \$662,600. Complete reconstruction with a pre-stressed concrete composite box beam bridge. Construction scheduled for 2016, with completion in 2017.

Ronald Reagan Cross County Highway (Colerain Avenue west to I-275)

Estimated cost \$7,500,000. Rehabilitation of the pavement surface and bridge overpasses. An STP grant for \$6,000,000 has been awarded for this project.

TOWNSHIP AND COUNTY ENGINEER PROJECT DESCRIPTIONS



FOR PROGRAM YEAR 2015—CONTINUED DISTRICT 2 - HAMILTON COUNTY & TOWNSHIP

Walton Creek Road Slip Repair

Estimated cost \$280,000. Reconstruction of the landslide affected area. A concrete wall is to be constructed utilizing reinforced concrete piers with concrete plugs below the affected area of the roadway, and concrete panels above. The pavement is to be reconstructed utilizing granular base material and full depth asphalt. A SCIP grant of \$140,000 has been awarded for this project. Construction scheduled for spring 2016, with completion in fall 2016.

Hamilton County Partnership Projects

Hamilton County & Green Township

Rybolt Road (Hearne to Taylor)

Estimated cost \$5,222,555. The intersection of Rybolt & Taylor Roads was reconstructed and realigned, and the intersection of Rybolt & Wesselman Roads was reconstructed with the addition of turn lanes. Other improvements included construction of new storm sewer and rehabilitation of the pavement. An LTIP grant of \$1,778,570 was awarded for this project. Construction was completed in 2015.

Hamilton County & Green Township

Harrison Avenue & Sheed Road Intersection Improvements

Estimated cost \$2,403,325. Project limits extend from a point just south of the intersection of Harrison & Sheed to Mullen Road (Green Township/Colerain Township Corporation Limit). This project saw the reconstruction/realignment of the intersection of Harrison & Sheed, adding a designated left turn lane on Harrison for Sheed, designated right & left turn lanes on Sheed for Harrison, installation of a traffic signal at this intersection, and the rehabilitation of Harrison Avenue. An LTIP grant of \$1,393,985 was awarded for this project. Construction was completed in 2015.

Hamilton County & Symmes Township

Mason Road

Estimated cost \$642,120. Rehabilitation of pavement surface. Construction of sidewalk on the west side of the roadway beginning at Chapel Square Drive and ending at Montgomery Road. An LTIP grant of \$305,838 was awarded for this project. Construction completed in 2015.

Hamilton County & Crosby Township

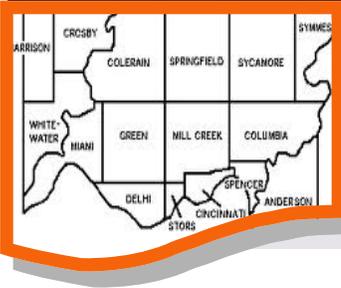
New Haven Road Phase 2 (Crosby Road to Oxford Road)

Estimated cost \$1,645,000. Project components included rehabilitation of the pavement; construction of 3' wide asphalt berm on both the north and south sides of the road; construction of a new storm water inlet and pipe at house number 8485 and reconstruction of washed out road shoulder across the street from 8485, and replacement of overhead multi-stop warning flasher and existing Stop signs with solar powered LED illuminated Stop signs at the intersection with Oxford road and replacement of school zone flashers with solar powered LED illuminated flashers. An LTIP grant of \$822,500 was awarded for this project. Construction was completed in 2015.

Hamilton County & Green Township

Race Road (West Fork to Boomer)

Estimated cost \$500,595. Rehabilitation of pavement surface. An LTIP grant of \$245,290 was awarded for this project. Construction was completed in 2015.



PROJECT DESCRIPTIONS FOR 2015

HAMILTON COUNTY ENGINEER'S OFFICE

Hamilton County & City of Reading

Galbraith Road (West ramp to I-75 to Reading Road)

Estimated cost \$726,600. Major rehabilitation of the roadway, as well as widening of the pavement on the south side of Galbraith from Burkhart Avenue to a point approximately 1,500' west of Burkhart Avenue. An LTIP grant for \$581,280 was awarded for this project. Construction was completed in 2015.

Hamilton County & Symmes Township/City of Loveland

Union Cemetery Road

Estimated cost \$1,343,700. Improvements included installation of 12" & 8" waterlines, residential service connections and installation of 8 fire hydrants; rehabilitation of pavement surface; replacement of storm sewer and construction of sidewalk connecting Lebanon Road with two Symmes Township Parks on this roadway. A SCIP grant of \$725,230 was awarded for this project. Construction was completed in 2015.

Hamilton County & Anderson Township

Wolfangel Road & Beechmont Avenue Intersection Improvements

Estimated cost \$2,720,000. Rerouting of Towne Center Way as well as improvements to Wolfangel Road from Bowen to Beechmont. Wolfangel will be widened and a right turn lane will be added from Wolfangel to Beechmont by Kroger. Construction scheduled for 2016, with completion in 2017.

Hamilton County & Anderson Township

Beechmont Avenue & Five Mile Road Continuous Flow Intersection.

Estimated cost \$3,354,185. Left turn movements for Five mile Road will be directed to two new service roads constructed parallel to Five Mile Road. Widening of Five Mile Road, resurfacing of the intersection, and the expansion of the storm sewer system are other components of this project. Funding for the project comes from multiple sources which include an LTIP grant for \$877,385. The service road was constructed in 2013. Construction of the intersection improvements will begin in 2016, and will be completed in 2017.

Hamilton County & Whitewater Township

Kilby Road (Dry Fork Road to US 50)

Estimated cost \$3,050,000. Rehabilitation of the pavement including construction of 3' wide paved berm on both roads edges (east & west) where curb is not present; repair of all storm water infrastructure as needed. An LTIP grant of \$1,525,000 has been awarded for this project. Construction to begin in 2016 and be completed in 2017.

Hamilton County/Miami Township

Buffalo Ridge Slip Repair

Estimated cost \$550,000. Reconstruction of the landslide affected area. A concrete plug pier wall with 30" diameter plug and soldier piers is to be constructed. The pavement is to be reconstructed utilizing granular base material and full depth asphalt. A SCIP grant of \$275,000 has been awarded for this project. Construction scheduled for 2016, with completion in 2017.

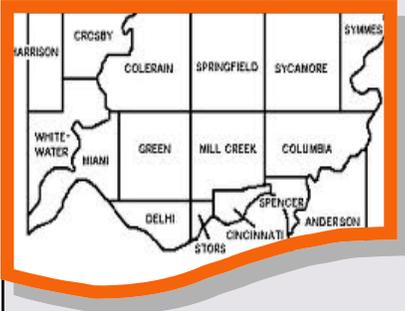
Hamilton County/ODOT

North Bend Road overpass for I-74

Estimated cost \$8,678,200. Replacement of the existing overpass and pavement rehabilitation. Construction to begin in spring 2016, with completion in 2017.

UPDATES ON PROJECTS CONTAINED ON 2015 PROJECT LISTING

HAMILTON COUNTY ENGINEER'S OFFICE



Hamilton County/Warren County/Symmes Township

Fields Ertel & Lebanon/Columbia Roads Intersection Improvements

Estimated cost \$3,281,802. A roundabout will be constructed at the intersection of Fields Ertel & Lebanon/Columbia Roads. Fields Ertel will be resurfaced beginning at a point 1,800' west of the intersection of Fields Ertel & Lebanon/Columbia Roads and terminate at apppoint 900' east of the intersection. Lebanon/Columbia Roads will be resurfaced beginning at the Loveland Corp. Limit to the south and terminating at a point 500' north of the intersection of Fields Ertel & Lebanon/Columbia Roads. Two culverts located between the intersection of Fields Ertel & Lebanon/Columbia Roads and the Loveland Corp. Limit will be replaced. Approximately 920' of sidewalk will be constructed on the east side of the road connecting the existing sidewalk which terminates at Hickory Run Court (North) to the existing sidewalk to the south. Funding for the project comes from multiple sources which include an LTIP grant (pending) for \$1,316,740. Construction scheduled to begin in 2016, with completion in 2017.



**PROJECTED 2016 AND 2017
ROADWAY PROJECTS**

<u>PROJECTS</u>	<u>DESCRIPTIONS</u>	<u>ESTIMATE</u>
Daly Road (Hempstead to Meredith)	Resurfacing & Rehabilitation Improvement	\$1,580,000
Eight Mile Road (Woodruff to Beechmont)	Resurfacing & Rehabilitation Improvement	\$1,200,000
Kilby Road (Dry Fork to US Route 50)	Resurfacing & Rehabilitation Improvement	\$2,243,258
Westwood Northern Blvd (Harrison to North Bend), Initial Year Funding (Includes School Section from Westwood Northern to Harrison) (Includes Washington Ave. from Westwood Northern to Green Twp.) (Includes Race Road Bridge Overpass (B -0060))	Resurfacing & Rehabilitation Improvement	\$2,338,500
Blue Rock & Cheviot Intersection	Intersection Area Improvement	\$4,115,000
Fields Ertel, Columbia and Lebanon Intersection, Initial Year Funding (Includes resurfacing of Fields Ertel Road within 900 ft. of intersection) (Includes resurfacing Lebanon from Fields Ertel to Loveland Corp. Limit) (Includes sidewalks and culvert replacements on Lebanon)	Intersection Area Improvement	\$1,640,901
Meredith Road Resurfacing	Resurfacing & Rehabilitation Improvement	\$5,245,000
Pippin Road (Compton Road to Springdale Rd.)	Resurfacing & Rehabilitation Improvement	\$6,100,000
Reagan Highway Joint Rehabilitation (US-27 to I-275)	Resurfacing & Rehabilitation Improvement	\$1,100,000
Wolfangel Road and Beechmont Ave. Intersection	Intersection Area Improvement	\$2,720,000
Geotechnical Engineering & Testing	Engineering	\$200,000
<u>SUBTOTAL 2016</u>		<u>\$28,482,659</u>
Resurfacing (Maintenance)	Various Roads	\$2,000,000
Devils Backbone Road (Cleves Warsaw to Rapid Run)	Resurfacing & Rehabilitation Improvement	\$940,000
East Miami River Road (Harrison to Thompson)	Resurfacing & Rehabilitation Improvement	\$5,000,000
John Gray Road (Whitetail Meadows to Mill)	Resurfacing & Rehabilitation Improvement	\$660,000
Kemper Road (Lick to Forest Park Corp. Limit)	Resurfacing & Rehabilitation Improvement	\$2,125,000
North Bend Road (Hamilton to Center Hill)	Resurfacing & Rehabilitation Improvement	\$4,095,000
Westwood Northern Blvd (Harrison to North Bend), Final Year Funding (Includes School Section from Westwood Northern to Harrison) (Includes Washington Ave. from Westwood Northern to Green Twp.) (Includes Race Road Bridge Overpass)	Resurfacing & Rehabilitation Improvement	\$2,338,500
Bridgetown, Taylor & Ebenezer Intersection	Intersection Area Improvement	\$3,811,522
Fields Ertel, Columbia and Lebanon Intersection, Final Year Funding (Includes resurfacing of Fields Ertel Road within 900 ft. of intersection) (Includes resurfacing Lebanon from Fields Ertel to Loveland Corp. Limit) (Includes sidewalks and culvert replacements on Lebanon)	Intersection Area Improvement	\$1,640,901
Kuglar Mill Road (Blue Ash to Montgomery)	Resurfacing & Rehabilitation Improvement	\$3,500,000
Pippin Road (Galbraith Road to Compton Rd.), Initial Year of Funding	Resurfacing & Rehabilitation Improvement	\$3,455,114
Geotechnical Engineering & Testing	Engineering	\$200,000
<u>SUBTOTAL 2017</u>		<u>\$29,766,037</u>
<u>TOTAL AMOUNT (2016 & 2017)</u>		<u>\$58,248,696</u>

Projects projected are dependent upon available financial leveraging to secure the needed funding.

TBH 02/23/16



PROJECTED 2016 AND 2017 BRIDGE / SLIDE PROJECTS

<u>PROJECTS</u>	<u>DESCRIPTIONS</u>	<u>ESTIMATE</u>
Bridge Maintenance	Repair	\$200,000
John Gray Road Bridge (B-0135)	Replacement	\$662,600
North Bend Road Bridge Over I 74	Replacement	\$8,678,200
Buffalo Ridge Road Slide	Slide Correction	\$550,000
Walton Creek Road Slide	Slide Correction	\$280,000
<u>SUBTOTAL 2016</u>		<u>\$10,370,800</u>
Bridge Maintenance	Repair	\$200,000
Atherton Road Bridge (B-0093)	Engineering	\$75,000
Galbraith Road Bridge (AHT-0092)	Replacement	\$1,349,139
Jordan Road Bridge (B-0041)	Engineering	\$75,000
Pfeiffer Road (MON-0071)	Rehabilitation	\$704,200
Sheed Road Bridge (B-0257)	Replacement	\$600,000
Summit Road Slide	Slide Correction	\$210,000
<u>SUBTOTAL 2017</u>		<u>\$3,213,339</u>
<u>TOTAL AMOUNT (2016 & 2017)</u>		<u>\$13,584,139</u>

Projects projected are dependent upon available financial leveraging to secure the needed funding.

TBH 01/06/16

2015 COUNTY ROAD AND BRIDGE IMPROVEMENTS

PROJECT NAME	CONTRACTOR	AWARDED BID AMOUNT	LOCAL MATCH
Resurfacing Including West Fork Road (Sheed to 6389) Including Westbourne (from Werk Road to Muddy Creek) Including Muddy Creek Rd (Neeb Rd to Cincinnati Corp. limit) Including School Section Rd (Reemlin Rd to Westwood Northern Blvd.) Including Springdale Rd (Season to Loralinda) Including Winton Rd Inside lanes (Sarbrook to Lakeridge)	Barrett Paving	\$1,486,740	\$1,486,740
Covedale Road Resurfacing (Foley to Rapid Run)	Prus Construction (Cincinnati Bid)	\$2,163,002	\$75,000
Kilby Road Resurfacing (Dry Fork to US 50) Part 1 of 2	J R Jurgensen	\$1,121,629	\$560,820
New Haven Resurfacing (Crosby to Oxford) Including New Haven Bridge Rehab (B-0407)	Barrett Paving	\$1,919,986	\$1,097,486
Five Mile and Beechmont CFI Intersection Improvement	Karvo Paving Company (ODOT Bid)	\$3,127,619	\$0
Hosbrook Traffic Calming Project (Montgomery through Reagan Drive)	Ford Development (Sycamore Twp. Bid)	\$1,162,625	\$0
Reagan Highway Rehabilitation (US 27 to I 275) Including Bridge Improvements at Overpasses and Interchanges	J R Jurgensen	\$5,959,120	\$1,191,824
Subtotal		\$16,940,721	\$4,411,870

2015 20% FUND SUPPORTED PROJECTS

PROJECT NAME	TOWNSHIP	PROJECT COST	20% LOCAL MATCH
Street Rehabilitation Project 2015	Delhi	\$926,555	\$18,076
Street Rehabilitation Project 2015	Green	\$1,625,000	\$41,747
Bluehill Drive and Shadowridge Lane	Springfield	\$111,072	\$11,072
Pavement Rejuvenation Program 2015	Springfield	\$12,146	\$12,146
Subtotal		\$2,674,773	\$83,041

2015 MUNICIPAL ROAD FUND (MRF) SUPPORTED PROJECTS

PROJECT NAME	MUNICIPALITY	PROJECT COST	MRF LOCAL MATCH
Annual Bridge Maintenance Program	Cincinnati	\$1,000,000	\$1,000,000
Springfield Pike (State Route 4)	Wyoming	\$8,145,000	\$125,000
Tennessee Avenue Rehabilitation	Cincinnati	\$1,485,000	\$135,000
Winton Road	Greenhills	\$665,016	\$133,003
Clovemook Avenue	North College Hill	\$400,000	\$120,000
Colerain Avenue Rehabilitation	Cincinnati	\$3,410,000	\$115,200
Blue Ash Road	Deer Park	\$6,474,000	\$135,000
Galbraith Road Phase II	Reading	\$350,000	\$105,000
Miami Avenue Phase II	Cleves	\$550,000	\$50,000
Hosbrook Road	Madeira	Applied to Hosbrook Project	\$115,000
Subtotal		\$22,479,016	\$2,033,203

Grand Total of Project Activity **\$42,094,510** **\$6,528,114**

TBH 02/05/2016

2015 Paving

The County Engineer, as part of an ongoing roadway maintenance program, has performed resurfacing on the following list of roads. Included on this list are roads that were paved by utility companies, such as Duke Energy and Greater Cincinnati Water Works, as part of the pavement restoration requirements for new main installations in the roadway. As part of the resurfacing an attempt is made to install paved shoulder wherever possible. The length of roadways improved in 2015 totals 10.90 miles.

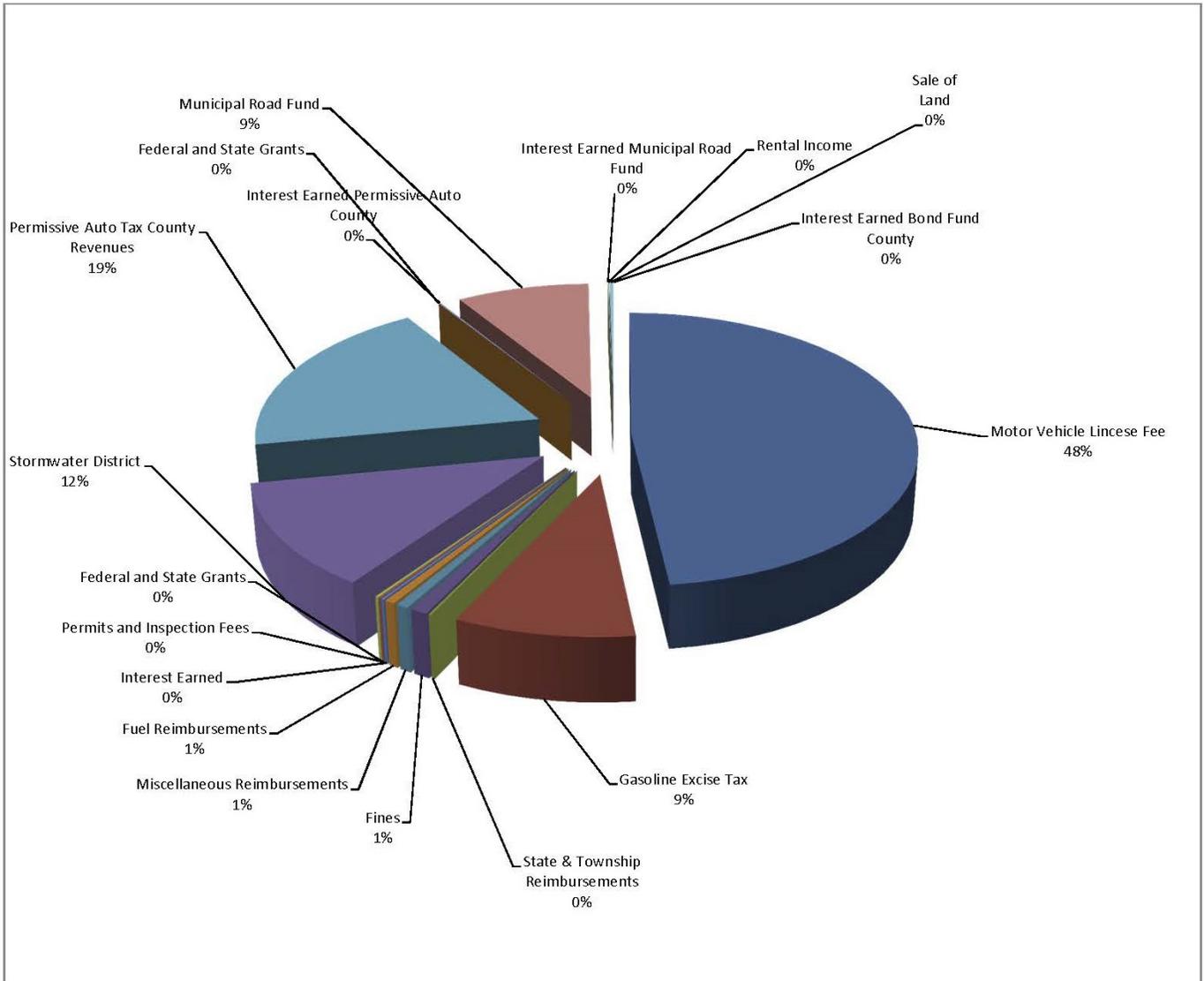
Road Name	From	To	Length
Neeb	Cleves Warsaw	Delhi	8,770
Westbourne	Roberts	Muddy Creek	2,510
Ebenezer	Cleves Warsaw	Muddy Creek	5,742
Old Blue Rock	Springdale	Dead End	2,301
Rapid Run	Ebenezer	Devils Backbone	6,003
Werk	Westbourne	Cincinnati Corp	2,027
New Haven	Crosby	Oxford	7,934
Harrison	I 74W	Good Sam	4,066
Harrison	Good Sam	Mullen	2,299
Mason Montgomery	Seven Gables	Fields Ertel	3,378
Union Cemetery	Lebanon	9550 Union Cemetery	3,528
Cleves Warsaw	Linneman	Cincinnati Corp	5,334
Mt Carmel	Apple Blossom	Moran	2,363
Hosbrook	Montgomery	7711 Hosbrook	<u>1,300</u>
2015 Paving Totals			<u>57,555</u>

FINANCIAL REPORT

2015 REVENUES	ROAD & BRIDGE	OTHER FUNDS
Federal and State Grants	\$44,550.00	
Motor Vehicle License Fee	\$12,736,715.57	
Gasoline Excise Tax	\$2,356,712.91	
State & Township Reimbursements	\$35,477.63	
Fines	\$228,473.62	
Miscellaneous Reimbursements	\$166,577.82	
Fuel Reimbursements	\$138,241.44	
Interest Earned	\$45,388.43	
Permits and Inspection Fees	\$30,223.50	
Stormwater District		\$3,239,550.22
Permissive Auto Tax County Revenues		\$5,033,641.76
Permissive Auto Tax Misc. Revenues		\$3,865.54
Interest Earned Permissive Auto County		\$29,436.71
Municipal Road Fund		\$2,261,530.18
Interest Earned Municipal Road Fund		\$10,538.01
Bond Fund County		\$2,940.00
Sale of Land		\$69,999.50
Interest Earned Bond Fund County		\$238.76
	\$15,782,360.92	\$10,651,740.68
		\$26,434,101.60

Financial Report—Continued

2015 REVENUES

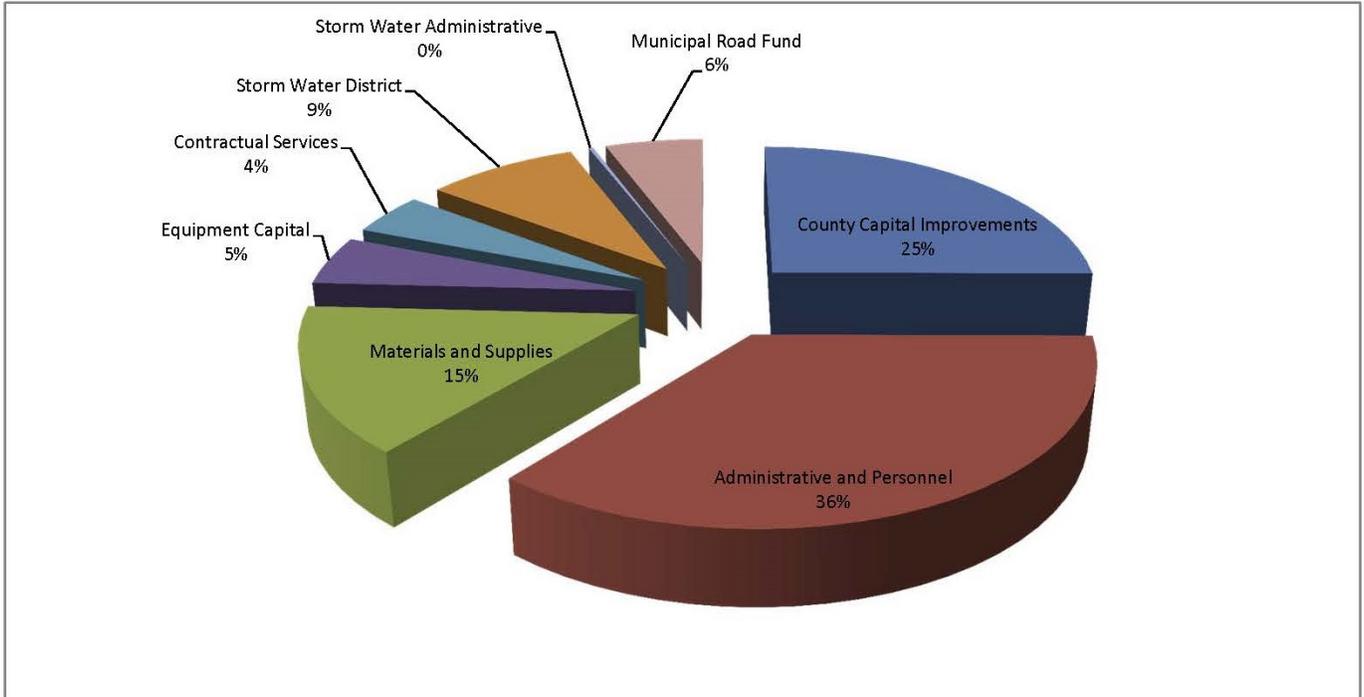


FINANCIAL REPORT - Continued

2015 EXPENDITURES	<u>ROAD & BRIDGE</u>	<u>OTHER FUNDS</u>
County Capital Improvements	52,393.45	6,191,307.67
Administrative	8,918,203.18	
Materials and Supplies	3,135,747.49	
Equipment Capital	1,263,050.00	
Contractual Services	1,088,101.95	
Storm Water District		2,182,643.17
Storm Water Administrative		64,940.87
Municipal Road Fund		1,411,003.00
County Bond Fund RRCC and & Corridor		-
	<u>14,457,496.07</u>	<u>9,849,894.71</u>
		<u><u>24,307,390.78</u></u>

Financial Report—Continued

2015 EXPENDITURES



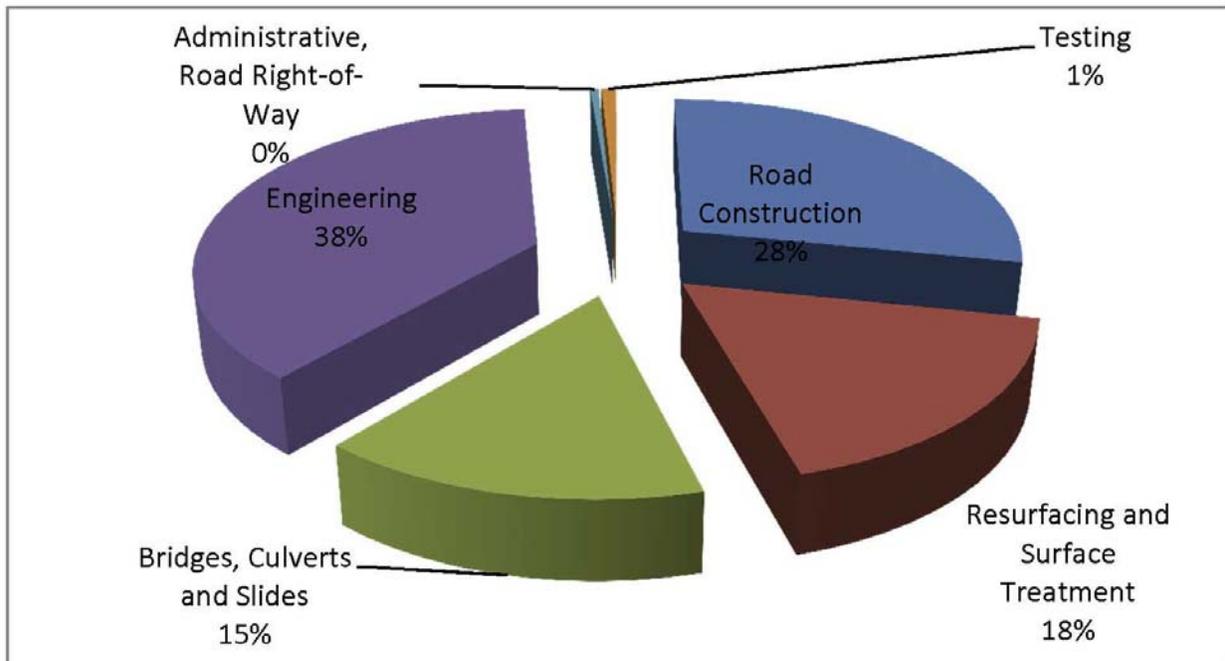
FINANCIAL REPORT - Continued

2015 Local Funds Invested For Capital Improvements

	ROAD & BRIDGE	OTHER FUNDS
Road Construction	\$11,265.95	\$1,747,238.00
Resurfacing and Surface Treatment		\$1,090,000.00
Bridges, Culverts and Slides		\$945,000.00
Engineering	\$41,127.50	\$2,330,000.00
Administrative, Road Right-of-Way	\$0.00	\$28,579.23
Testing		\$50,490.44
	<hr/>	
	\$52,393.45	\$6,191,307.67
		<hr/> <u>\$6,243,701.12</u>

Financial Report—Continued

Local Funds Invested for Capital Improvements



TRAFFIC OPERATION SUMMARY 2015



The Engineer's Traffic Department is responsible for performing traffic studies, which establish "No Parking Zones", "Multi-Way Stop" locations and the "Warrant Analysis" for the signalization of County owned intersections. Any recommendations resulting from these studies are then brought before the Board of County Commissioners who is the sole authority to apply traffic laws (except Speed Limits) in unincorporated areas of Hamilton County.

The Traffic Department also completes the "Speed Warrant Analysis" for roads and, if a change of the existing Speed Limit (lower or higher) can be warranted, the study must first have the Board of County Commissioners approval before being forwarded to the Director of the Ohio Department of Transportation (ODOT). ODOT determines the just and safe speed limit for that road in question and has the sole authority to set Speed Limits on County Roads.

In the process of performing these studies the Traffic Department gathers data that is valuable to the public for other purposes such as manual and mechanical traffic counts. The traffic counts are available on the Engineer's Website. Another is the gathering of the traffic crash reports from the Sheriff's Office and Township Police Departments into a database that can be used to better pinpoint crash locations by intersection, street address and/or distances from the nearest intersection. Annually the Department will review over 4,300 traffic crash reports. This can assist in ascertaining current and potential problem areas.

The Traffic Department investigates and reports on approximately 250 requests and complaints generated from various sources such as citizens, businesses, schools, public officials, etc. Also, they are responsible for the review of traffic control plans (signal, striping and/or signing). Other duties include preparing detour plans, sending out News Releases to advise the public of possible closures and delays and the layout of newly resurfaced county roads in preparation for striping.

The Traffic Department's Sign Shop is responsible for the striping and installation of all pavement markings on County Roads. It also has been used by numerous jurisdictions within Hamilton County for the straight-line striping of their roads.

Sign making assists Hamilton County Soil & Water

The Sign shop continues to work with the Hamilton County Soil & Water district by fabricating Stream Crossing Awareness Signs. This saves the district and participating municipalities money by our making them "in house". Previously, these signs were being made by private sign companies at approximately twice the price.

Meeting the New Standard for Sign Retro-reflectivity

The traffic department's sign shop has developed a policy to meet the new standards for sign retroreflectivity as set forth in the Ohio Manual of Uniform Traffic Control Devices (OMUTCD). The county has measured the retroreflectivity of each sign that the county is responsible for, and has determined if the sign meets the minimum reflectivity standards. The county has over 19,000 signs on county roadways, of which 8,000+ have been replaced to meet the standards. With the assistance of grant funding from the state, the County in an effort to reduce accidents on curves is scheduled to install additional curve/chevron signs in 2016.

Traffic Department Information --- Continued

New Traffic Signal Installations in 2015:

New Traffic Signals & Controllers (as part of Road Improvements):

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Cheviot & Galbraith	Colerain
Harrison & Sheed	Green
Rybolt & Taylor	Green
Rybolt & Wesselman	Green
Grabraith & Kenwood Collection	Sycamore

Traffic Signal Upgraded with a 170 Controller:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Cleves Warsaw & Ebenezer	Delhi

Traffic Signal Upgraded with an Uninterruptable Power Supply (UPS):

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Harrison & Meijers	Green
Harrison & Eaglenest	Green
Harrison & Green Township	Green
Harrison & Wesselman	Green
Harrison & Filview, Cinema	Green
Harrison Filview, Gabriel Brothers	Green
Harrison & Westwood Northern	Green
Harrison & Race	Green
Harrison & Lowes	Green
Harrison & Church, Grace	Green
Harrison & Good Samaritan Hospital	Green
Loveland & Cottonwood	Symmnes
Loveland & Lebanon	Symmnes
Loveland & Kemper	Symmnes
Loveland & Hopewell	Symmnes

Traffic Signal Upgraded with New Coordination Timing:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Harrison & Kohl's	Green
Harrison & Meijers	Green
Harrison & Eaglenest	Green
Harrison & Sheed	Green
Harrison Ave. From Belclare to Race Rd.	Green

Pedestrian signals have been upgraded across the County to Countdown Pedestrian Signals.

Cities and Townships that were striped in 2015:

Amberley Village
 City of Cheviot
 City of Harrison
 City of Madeira
 City of Mt. Healthy
 City of Springdale
 City of Wyoming
 Anderson Township
 Delhi Township
 Springfield Township
 Village of Addyston
 Village of Greenhills
 Village of Newtown

Hamilton County Snow & Ice

2015 LANE MILEAGE MAINTAINED

CENTRAL DIVISION

County Roads	421.85
Other Roads	1.57
Ronald Regan Highway	81.13
State Routes	143.81

CENTRAL TOTALS: 648.36

EASTERN DIVISION

County Roads	328.42
Other Roads	8.44
Ronald Regan Highway	34.09
State Routes	181.54

EASTERN TOTALS: 552.49

WESTERN DIVISION

County Roads	519.14
Other Roads	5.81
State Routes	110.13

WESTERN TOTALS : 635.08



LANE MAILEAGE TOTALS: 1,835.93



Congratulations 2015 Snow Rodeo Winners !!!

Long before the season changes and snow falls on the roadways, the Hamilton County Engineer held the Annual Snow Rodeo the week of September 14, 2015.

Ted Hubbard, the Hamilton County Engineer, required all drivers to make safe driving a priority, especially during snow and ice conditions. In preparation for winter, this training/competition is held annually to make safe driving a priority **especially** during the snow and ice season.

This event provides the operators a chance to maneuver in tight predicaments that they may encounter while clearing the roadways of snow and ice. After completing the course, drivers are tested on truck maintenance, which includes a pre-trip inspection to be sure all parts of the truck and plow are operating properly.



Jim Hetzel
 1st Place winner

From Tuesday September 15th, through Thursday, September 17th, 2015 County Engineer Ted Hubbard officiated over his Annual "Snow Rodeo". The Rodeo was held outdoors near the Communications Center on Hamilton Avenue. This event included a timed obstacle course and a vehicle maintenance inspection. While the weather could not provide the drivers with conditions that reflected snow and ice control on the roads, situations could be duplicated that provided the drivers with an opportunity to hone their driving skills. Approximately 183 drivers in total, which included 62 drivers from the Hamilton County Engineer's department, 68 from the Townships and 53 from the Municipalities participated in response to Mr. Hubbard's invitation.

The Engineer's top drivers also participated and performed well in the APWA Southwest Ohio Snow & Ice Conference/ PWOSWO Snow Rodeo held October 14, 2015 at the Mason Sports Complex.

Thanks to all who participated.....



Joe Behrend
 2nd Place winner



Justin Remley
 3rd Place winner



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