

SURVEYING AND LAND RECORD KEEPING

To meet the continuing development and infrastructure needs of Franklin County, the Engineer's Office utilized the latest technologies for surveying, tax map maintenance, and land record keeping. Use of a countywide network of horizontal and vertical control monuments and the satellite Global Positioning System (GPS) enabled the most accurate surveys necessary for the design of construction projects and the definition of road centerlines, property limits, and county, municipal, and township boundaries.

The Engineer's Office maintained the property layers of the County Auditor's Geographic Information System (GIS) along with other related road records, historical maps, and annexation plats. This is the foundation for the development of our comprehensive county road map and atlas that are available to the public. The maps are distributed free of charge, and the atlases, which are the map in booklet form, are sold for the nominal cost of \$1 per copy.

Survey Program

Coordinated by the Surveying and Land Record Keeping Department

- Traffic Surveys: 10
- Construction Surveys: 3
- Right-of-Way Surveys: 2
- Township Surveys by Request: 14
- Precise Geodetic Control Monuments Maintained: 2,775

Mapping Program

Coordinated by the Surveying and Land Record Keeping Department

- Conveyances: 24,943
- Property Splits: 1,933
- Subdivision Plats Reviewed: 29
- Condominium Plats Reviewed: 158
- Annexation Plats/Descriptions Reviewed: 17
- New Addresses Assigned: 46

COUNTY ENGINEER

Dean C. Ringle has served as the Franklin County Engineer since June 2000. He began his career at the engineer's office in 1981 and has held positions in construction, surveying, and overall engineering management.

Mr. Ringle received his Bachelor of Science Degrees in Civil Engineering and Surveying from The Ohio State University and is a registered Professional Engineer and Professional Surveyor in Ohio.

He is an adjunct faculty member at The Ohio State University's College of Engineering, and serves on the boards of the County Engineers Association of Ohio, Mid-Ohio Regional Planning Commission, and Ohio National Road Association. Dean has received numerous awards for his professional service and projects during his career at the engineer's Office.



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Thank You! We greatly appreciate your interest in the Franklin County Engineer's Office. For additional information, please call (614) 525-3030 or visit our web site at: www.franklincountyengineer.org

Franklin County Engineer's Office | 970 Dublin Road | Columbus, Ohio | 43215

Dean C. Ringle, P.E., P.S., Franklin County Engineer 2010 ANNUAL REPORT SUMMARY



TRANSPORTATION

In 2010, the Franklin County Engineer's Office was responsible for the maintenance and construction of 276 miles of county roadway. Improvements to county roads ranged from contractor built resurfacing, reconstruction and widening projects to County Maintenance Department operations.

During the winter months, "Snow Fighter" crews worked around the clock, when needed, to maintain safety on nearly 800 lane miles of roads and streets, and provided road salt to 23 public entities.

The Engineer's office was also responsible for the inspection, maintenance and rebuilding of 363 county bridges and 199 culverts.



Newly built Reynoldsburg-New Albany Road and Morse Road Roundabout

Capital Improvement Projects

Supervised by the Construction Department

- Alum Creek Drive widening and resurfacing, from North of Bixby Road to I-270, by the Complete General Construction Company for \$3.5 million. Work duration: August 2010 through Spring 2011
- Central College Road Bridge rehabilitation, over Big Walnut Creek, by the Complete General Construction Company for \$926,000. Work duration: April through July 2010
- Clime Road widening and reconstruction, from Harrisburg Pike (U.S. Rt. 62) to Talbot Place, by George J. Igle & Company for \$7.9 million. Work duration: February 2009 through October 2010
- Clime Road widening and reconstruction, from Talbot Place to Georgesville Road, by the Kenmore Construction Company for \$11.9 million. Work duration: August 2010 through Fall 2012
- Dublin-Granville Road Bridge rehabilitation, over Sugar Run, by Shelly & Sands, Inc. for \$390,000. Work duration: July through October 2010
- Mifflin Township roadway improvements by the Decker Construction Company for \$298,000. Work duration: August through October 2010
- Reynoldsburg-New Albany Road and Morse Road roundabout construction by Shelly & Sands, Inc. for \$2.4 million. Work duration: July through September 2010
- Shannon Road realignment and Metropark trail construction, from Winchester Pike to Blacklick Creek, by Republic Builders, Inc. for \$800,000. Work duration: July through September 2010
- West Main Street Bridge replacement, over Alum Creek, by the Kokosing Construction Company for \$5.8 million. Work duration: July 2010 through August 2011



Central College Road Bridge Rehabilitation completed in July 2010



Clime Road Widening and Reconstruction, west of Harrisburg Pike, completed in October 2010

Annual Road Resurfacing Program

The Road Repair and Resurfacing Office supervised the building of this \$2.7 million project by the Strawser Paving Company

- Innis Road - West of Cleveland Avenue to west of Imani Drive
- Kropp Road - East of Lukens Road to south of Alkire Road
- London & Lancaster Road - East of Pontius Road to west of Oregon Road
- Lukens Road - West of Norton Road to east of Kropp Road
- Rings Road - East of Cosgray Road to the Dublin west corporation line
- Shier-Rings Road - East of Cosgray Road to the Dublin west corporation line

Franklin County ARRA Road Resurfacing Program – Phase II

The Road Repair and Resurfacing Office supervised the building of this \$1.9 million project by the Kokosing Construction Company

- Cambridge Road in the City of Upper Arlington
- Cherry Bottom Road in the City of Gahanna
- Columbus Street in Grove City
- Fifth Avenue in the Village of Marble Cliff
- Granville Street (U.S. Rt. 62) in the City of Gahanna
- Groveport Road in the Village of Obetz
- Hague Avenue in the Village of Valley View
- Hamilton Road in the City of Gahanna
- High Street in the City of Worthington
- Hoover Road in Grove City
- Hopkins Avenue in Franklin Township
- North Star Road in the City of Upper Arlington
- Parkview Avenue in the City of Bexley
- Post Road in the City of Dublin
- Rings Road in the City of Dublin
- Robinwood Avenue in the City of Whitehall
- Rosehill Road in the City of Reynoldsburg



Clime Road Pavement Construction

Road and Bridge Maintenance Work

Performed by the Bridge & Utility, and Highway Maintenance Departments

- Beach Road Bridge deck sealing
- Clifton Avenue Bridge deck sealing and barrier wall painting
- Darby Creek Drive culvert replacement
- Franklin County Fairgrounds service road construction
- Greenlawn Avenue Bridge deck sealing
- Guardrail improvements (over 1,000 feet)
- Hott Ditch log jam clearance
- Litter collection along county roads (over 12 tons)
- Lockbourne Road Bridge deck sealing
- Lukens Road storm sewer pipe installation
- Morse Road Bridge deck repair
- Pavement and Berm repairs on various county and township roads
- Roadside wild flower plantings (3 acres)
- Stoney Bridge Lane Bridge replacement



New Stoney Bridge Lane Bridge

Traffic Safety Maintenance

Performed by the Traffic Engineering Department

- Traffic Signs Maintained: 8,300
- New Signs Installed: 62
- Traffic Signals Maintained: 66
- New Traffic Signals Installed: 1 (Trabue at Westbelt)
- Miles of Roadway Striped: 95.8 miles

2009-2010 Snow Fighter Operations

Supervised by the Highway Maintenance Department

- Record Breaking Snow Fall: 30.1 inches in February 2010
- Snow and Ice Removal Routes: 25 throughout the county averaging 30 lane miles in length
- Service Coverage: 770 lane miles including nearly 244 lane miles for the City of Columbus and 22 other government entities
- Traveled Truck Mileage: Over 100,000 miles
- Personnel: 102 Snow Fighters including equipment operators, route checkers, radio dispatchers, mechanics, and administrative personnel
- Equipment: 31 dump trucks equipped with snow plows and salt spreaders, and five 2.5 cubic front end-loaders to load salt and remove heavy snow drifts
- De-Icing Agents Used: 11,300 tons of salt and 149,000 gallons of anti-icing chemicals
- De-Icing Agents Distributed: 2,700 tons of salt and 306,000 gallons of anti-icing chemicals to various communities
- Snow Drift Prevention: 30,000 feet of snow fence were deployed and the annual cornstalk program enlisted farmers along 75,000 feet of roadway to leave their cornstalks 1.5-feet tall to serve as a natural barrier



Competitor 2010 Snow Fighter Rodeo

DRAINAGE

The Franklin County Engineer has been designated by the Board of County Commissioners to serve as the "Drainage Engineer." In this capacity, the engineer's office worked to prevent erosion, and promote better water quality in unincorporated areas through the repair, and improvement of county and joint county ditches, drains, retention basins, and other watercourses within the public right-of-way along county routes.



The County Drainage Engineer is not responsible for storm water management on private property, but drainage assistance in unincorporated areas can be requested through the county's ditch petition process.

In 2010, petition ditch work included the inspection of 25,070 lineal feet of tiled pipe, replacement or repair of 7,160 lineal feet of tiled pipe, and the cleaning of 8,118 lineal feet of tiled pipe.

Maintenance and Capital Improvement Projects

Coordinated by Drainage Engineer personnel

- Hamilton Run stream restoration, west of Alton & Darby Creek Road and north of Roberts Road, by Nickolas Savko & Sons, Inc. under a \$1.2 million contract
- Kahler Ditch pipe replacement and repair, south of Walnut Street between Lee Road and Cubbage Road, by the Bridge & Utility and Highway Maintenance Departments
- Krebs Ditch pipe replacement, north of Kropp Road, by the Bridge & Utility Department
- Morris Ditch pipe replacement, west of Walker Road between Morris Road and Roberts Road, by the Bridge & Utility Department