Cincinnati Area Geographic Information System
CAGIS

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Quick Introduction:
Cincinnati Area Geographic Information Systems – CAGIS.

CAGIS is a shared-services organization that provides services and solutions, integrated with land and infrastructure information, to its consortium members.

Origins:
The CAGIS consortium was established by cooperative agreement between the City of Cincinnati, Hamilton County, and local utilities in1987.

What CAGIS Does:
CAGIS provides comprehensive, coordinated services and solutions related to permitting, licensing, inspections, code enforcement, planning, zoning, and land and infrastructure asset management.

CAGIS has automated hundreds of land, infrastructure, health, environment, and service related work processes for local governments and utilities within Hamilton County using shared technology strategies.

CAGIS Quick Facts:

•Over 20 years of experience in the support of Land and Infrastructure agencies.

•Defines and supports the enterprise architecture for GIS integrated business automation and GIS use in the Land and Infrastructure realm.

•CAGIS does not do GIS in isolation and is integrally tied to the land and Infrastructure business workflow automation realm it is tasked with.

•Supports day-to-day business operations of over 25 agencies in the Land and Infrastructure realm - City of Cincinnati, Hamilton County Agencies, Utilities, Private Companies (Inspections Bureau, NIC), Townships, Municipalites and Non-Profit Agencies.

•CAGIS develops and supports over 250 core business workflows in the Land and infrastructure realm.

•CAGIS develops, maintains, supports over 200 core GIS spatial layers and hundreds of dynamic layers.

“When I point to a location, I want to know everything we are doing there and everything we have done” – City of Cincinnati Manager – 1995

“I want a technology that makes sure no one drops the ball. I want coordination”-Hamilton County Administrator – 1995

These two statements reflect the target missions of a CAGIS: develop a technology that is focused on coordinating service delivery, share of information across the Enterprise, focus on work flow, integrate information and services, maintain accuracy of data, and provide instant access.

CAGIS

Organizations supported by CAGIS

City of Cincinnati Agencies	Hamilton County Agencies	Organizations
• Transportation & Engineering • Planning & Buildings • Community Development • Public Services • Health • Parks • Fire • Police • Enterprise Services • Law - Real Estate • Economic Development • Office of the City Manager • Office of the Mayor • City 911 • City Council Members	• Hamilton County Engineer • Planning & Development • General Health District • Hamilton County 911 Communications Center • Emergency Management And Homeland Security • Soil And Water Conservation District • Hamilton County Auditor • Hamilton County Administrator • Hamilton County Board of Commissioners • Hamilton County Sheriff • Hamilton County Prosecutor • Board of Elections	• Cincinnati Public Schools • Cincinnati Metropolitan Housing Authority • SORTA • University of Cincinnati • Xavier University Community Building Institute • Hamilton County Development Company
Utilities	**Consortium Members**	**Private**
• Greater Cincinnati Water Works • Metropolitan Sewer District • Storm Water Maintenance Utility • Duke Energy • Indian Hill Water • Hamilton County Storm Water District	• Anderson Township • Colerain Township • Springfield Township • Sycamore Township • City of Blue Ash • City of Forest Park • City of Montgomery • City of Norwood • Village of Fairfax • Village of Indian Hill	• Inspection Bureau Inc. • National Inspection Company.

Service Delivery Solutions:

CAGIS provides service-delivery solutions and applications that are developed on a coordinated framework. These include the following:

- Business Workflow Automation System:
- Geographic Information System Map Information Foundation:
- Customer Service Response System:
- Roadway Construction Coordination System.
- Public Access Online Web Applications:
- Pavement Asset Management.
- Public Safety Applications.
- Field applications – Inspections, Asset Inventory, mobile GIS.
- Management Dashboards and reports.

Business Workflow Automation Solutions:

CAGIS provides a variety of solutions to automate, track and manage governmental processes. These include:

Planning & Development

· Pre Development
· Preliminary Plan
· Primary Site Development
· Improvement Plan
· Easement and Record Plat
· Site Distance Study
· Multi Phase Subdivision Tracking
· Subdivision/Cutup Development

Zoning

· Rural Zoning Certificate
· Zoning Certificate
· Zoning Enforcement
· Planning Review
· Historic Review
· Environmental Quality
· Cincinnati Downtown Development

Building Permits

· Building Construction
· Renovation/Repairs
· Certificate Of Occupancy
· Demolition
· Electrical
· Elevator
· Household Sewage
· Mechanical
· Plumbing
· Private Water System
· Retaining Wall
· Sign
· Swimming Pool
· Temporary Structure
· Excavation

Business Workflow Automation Solutions:

CAGIS provides a variety of solutions to automate, track and manage governmental processes. These include:

Code Enforcement

· Airport Complaint
· Animal Bites
· Building Code - Commercial
· Building Code - Residential
· Graffiti
· Hazardous Tree
· Junk Vehicle
· Litter Complaint
· Tall Grass / Weed

Inspections

· Earthwork
· Elevator
· Fire
· Food Service
· HSDS
· Stormwater Drainage
· Swimming Pool

Licenses

· Amusement
· Elevator
· Daycare
· Food Service
· Home Sewage Installer
· Household Sewage Disposal System Operator
· Manufactured Home
· MSD Hauler
· Outdoor Sign
· Plumber Registration
· Pool/Spa
· Rental Registration
· Contractor Registration
· Sewer Tapper

Transportation and Engineering

· Emergency project
· Repair projects
· Capital projects
· Coordinated Reports
· Excess Load
· Parking Lot
· Sidewalks
· Driveways
· Street Opening

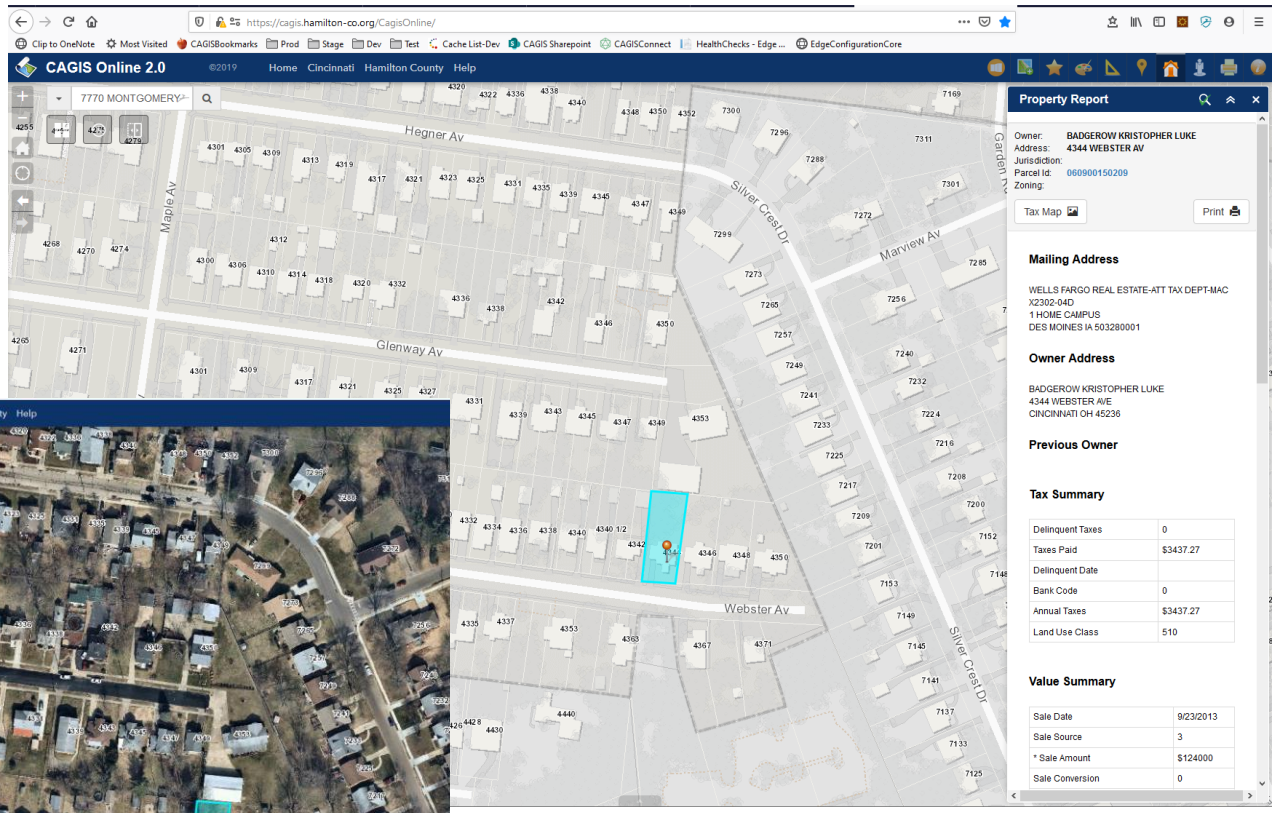
Public Safety and Public Service

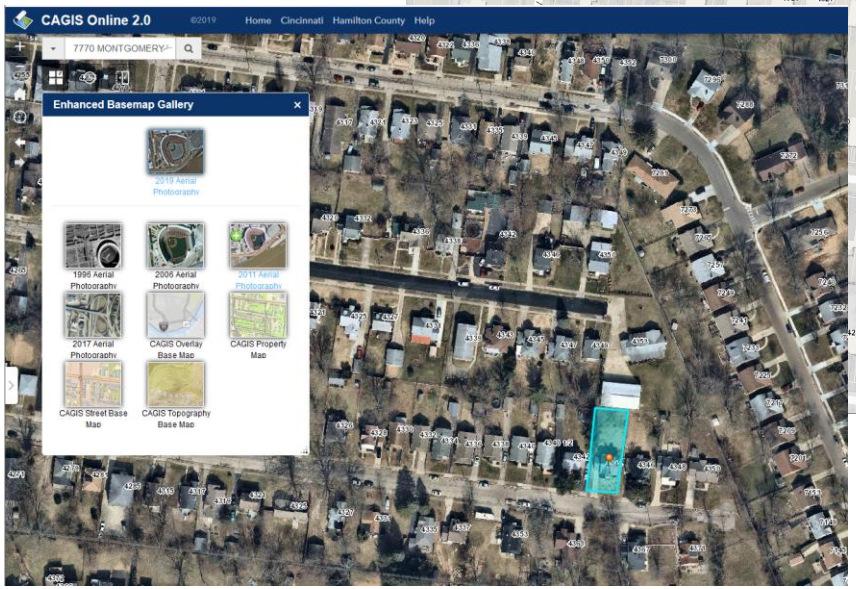
· Fire Alarm
· Fire Suppression
· Fire Flow Test
· Collections Special Pickup

Highlights of Select CAGIS Applications

CAGIS Online

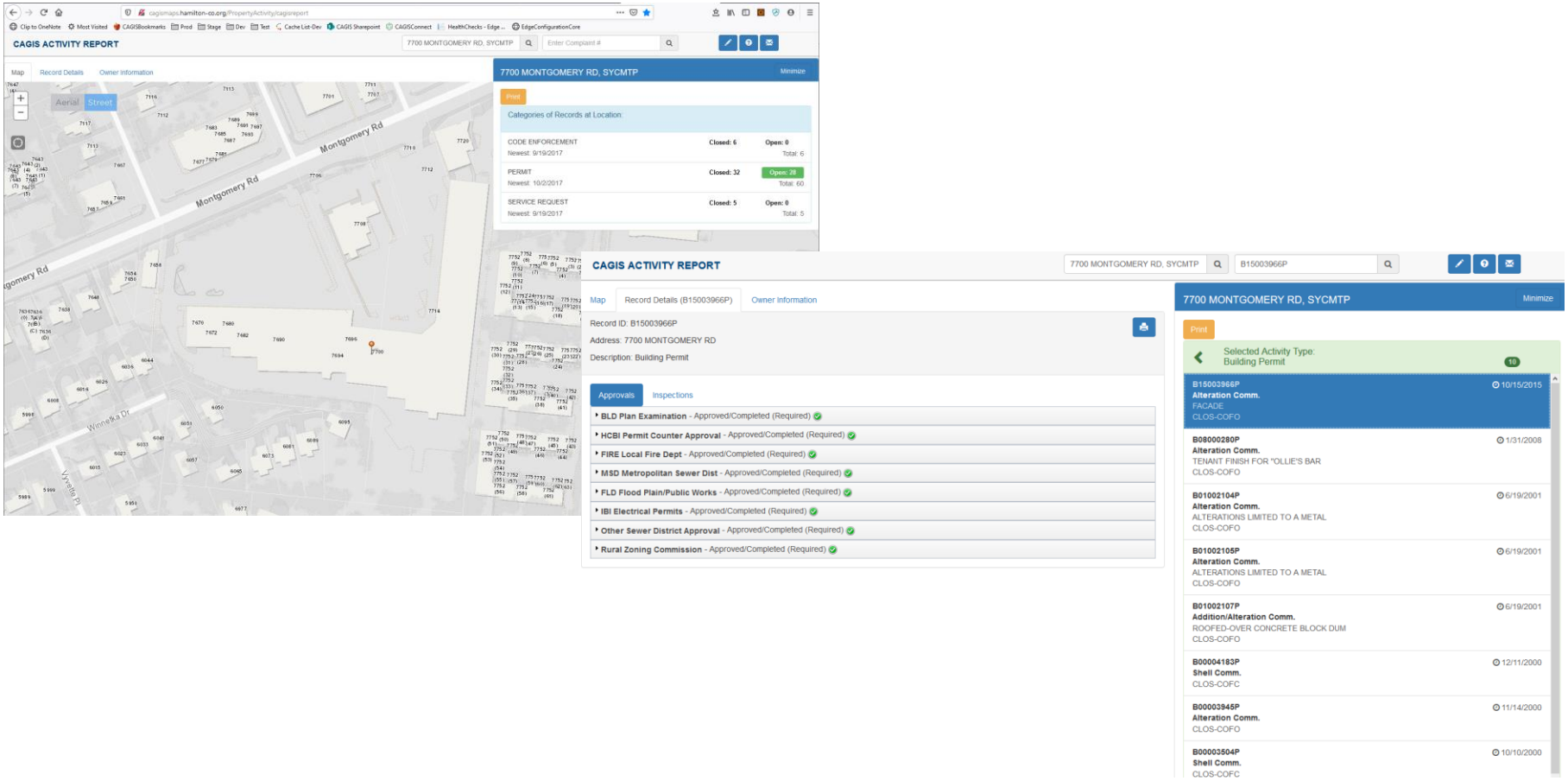
•Provides agency and public access to property, zoning and land development data 24/7





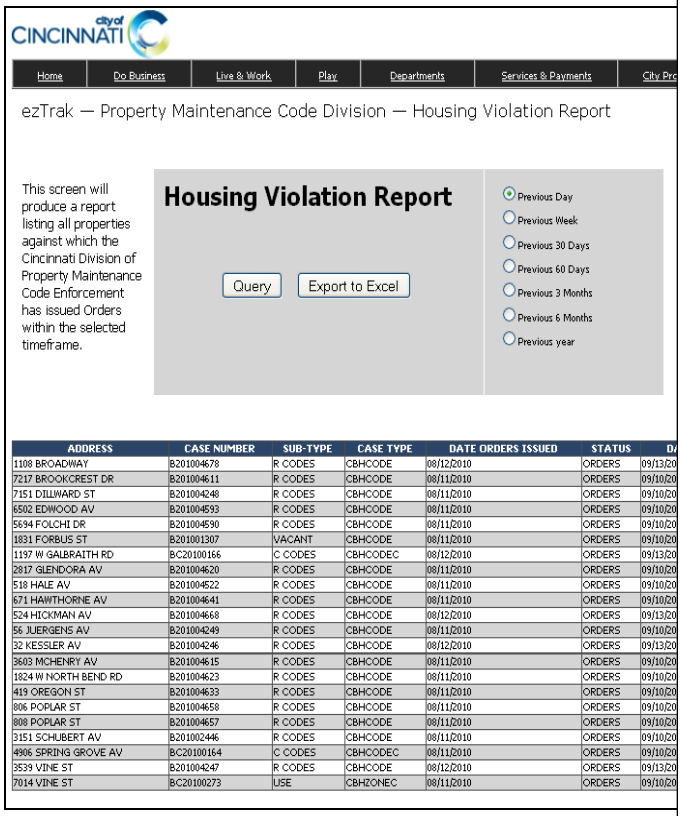
CAGIS Activity Report

Provides public access to permitting and licensing records with the ability to track approvals and inspections.

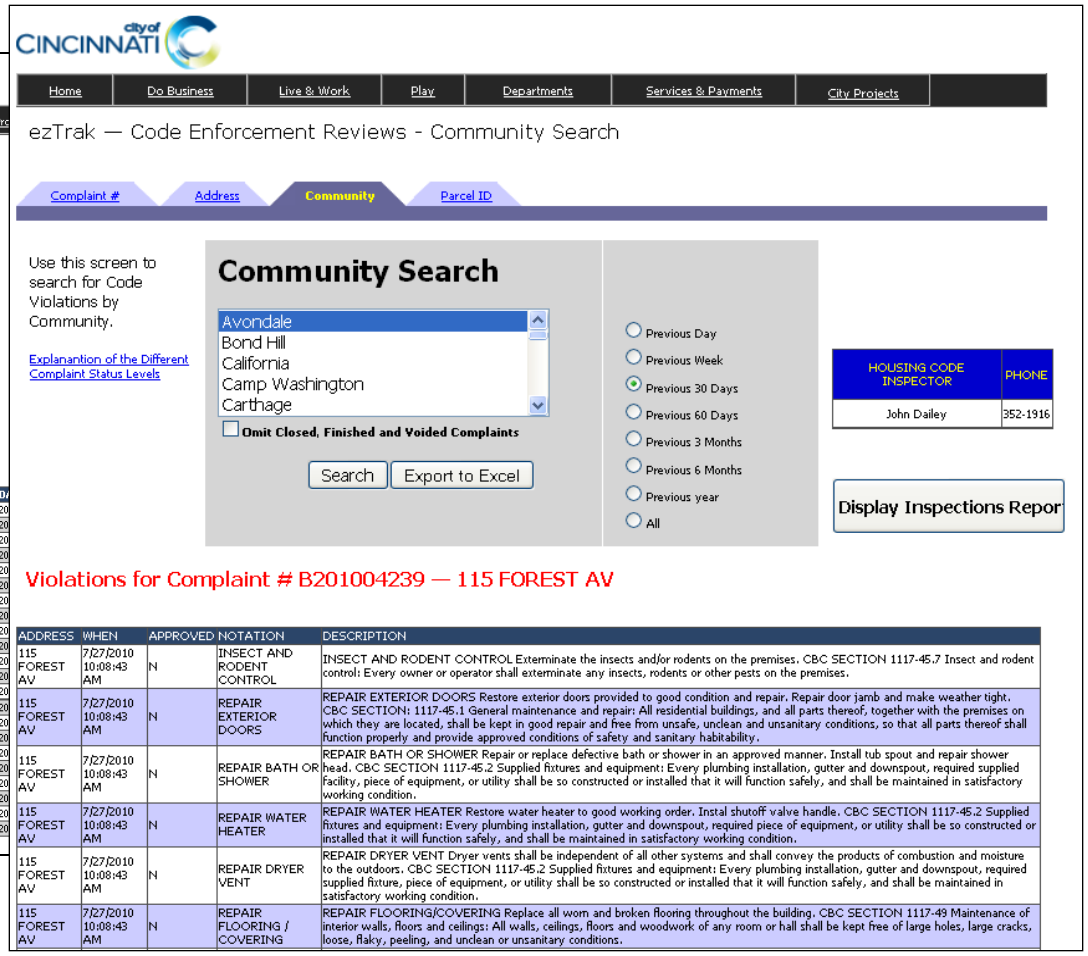


Online Code Enforcement Reviews

Provides public access to information about “quality of life” issues in Cincinnati’s communities, 24/7.



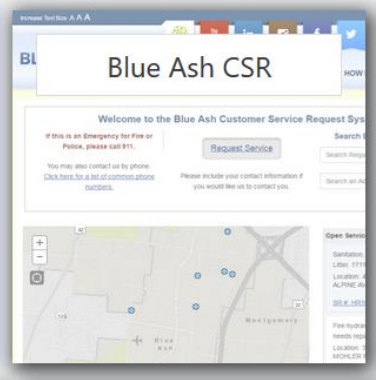
ADDRESS	CASE NUMBER	SUB-TYPE	CASE TYPE	DATE ORDERS ISSUED	STATUS	D
1108 BROADWAY	B201004678	R CODES	CBHCODE	08/12/2010	ORDERS	09/13/20
7217 BROOKCREST DR	B201004611	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
7151 DILLWARD ST	B201004248	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
6502 EDWOOD AV	B201004593	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
5694 FOLCHI DR	B201004590	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
1831 FORBUS ST	B201001307	VACANT	CBHCODE	08/11/2010	ORDERS	09/10/20
1197 W GALBRAITH RD	BC20100166	C CODES	CBHCODEC	08/12/2010	ORDERS	09/13/20
2817 GLENDORA AV	B201004620	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
518 HALE AV	B201004522	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
671 HAWTHORNE AV	B201004641	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
524 HICKMAN AV	B201004668	R CODES	CBHCODE	08/12/2010	ORDERS	09/13/20
56 JUERGENS AV	B201004249	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
32 KESSLER AV	B201004246	R CODES	CBHCODE	08/12/2010	ORDERS	09/13/20
3603 MCHENRY AV	B201004615	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
1824 W NORTH BEND RD	B201004623	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
419 OREGON ST	B201004633	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
806 POPLAR ST	B201004658	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
808 POPLAR ST	B201004657	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
3151 SCHUBERT AV	B201002446	R CODES	CBHCODE	08/11/2010	ORDERS	09/10/20
4906 SPRING GROVE AV	BC20100164	C CODES	CBHCODEC	08/11/2010	ORDERS	09/10/20
3539 VINE ST	B201004247	R CODES	CBHCODE	08/12/2010	ORDERS	09/13/20
7014 VINE ST	BC20100273	USE	CBHZONEC	08/11/2010	ORDERS	09/10/20

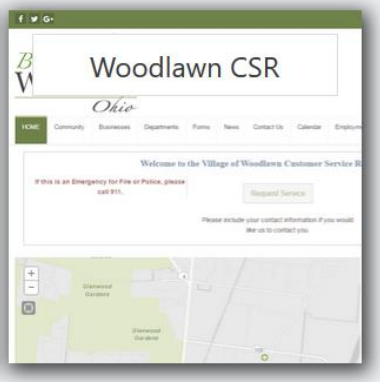


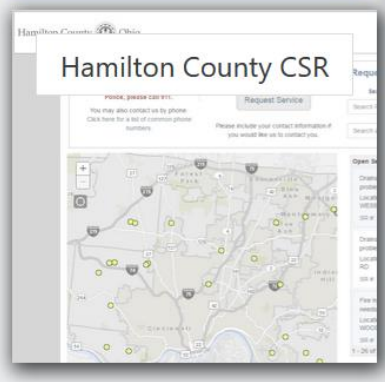
ADDRESS	WHEN	APPROVED	NOTATION	DESCRIPTION
115 FOREST AV	7/27/2010 10:08:43 AM	N	INSECT AND RODENT CONTROL	INSECT AND RODENT CONTROL Exterminate the insects and/or rodents on the premises. CBC SECTION 1117-45.7 Insect and rodent control: Every owner or operator shall exterminate any insects, rodents or other pests on the premises.
115 FOREST AV	7/27/2010 10:08:43 AM	N	REPAIR EXTERIOR DOORS	REPAIR EXTERIOR DOORS Restore exterior doors provided to good condition and repair. Repair door jamb and make weather tight. CBC SECTION: 1117-45.1 General maintenance and repair: All residential buildings, and all parts thereof, together with the premises on which they are located, shall be kept in good repair and free from unsafe, unclean and unsanitary conditions, so that all parts thereof shall function properly and provide approved conditions of safety and sanitary habitability.
115 FOREST AV	7/27/2010 10:08:43 AM	N	REPAIR BATH OR SHOWER	REPAIR BATH OR SHOWER Repair or replace defective bath or shower in an approved manner. Install tub spout and repair shower head. CBC SECTION 1117-45.2 Supplied fixtures and equipment: Every plumbing installation, gutter and downspout, required supplied facility, piece of equipment, or utility shall be so constructed or installed that it will function safely, and shall be maintained in satisfactory working condition.
115 FOREST AV	7/27/2010 10:08:43 AM	N	REPAIR WATER HEATER	REPAIR WATER HEATER Restore water heater to good working order. Instal shutoff valve handle. CBC SECTION 1117-45.2 Supplied fixtures and equipment: Every plumbing installation, gutter and downspout, required piece of equipment, or utility shall be so constructed or installed that it will function safely, and shall be maintained in satisfactory working condition.
115 FOREST AV	7/27/2010 10:08:43 AM	N	REPAIR DRYER VENT	REPAIR DRYER VENT Dryer vents shall be independent of all other systems and shall convey the products of combustion and moisture to the outdoors. CBC SECTION 1117-45.2 Supplied fixtures and equipment: Every plumbing installation, gutter and downspout, required supplied fixture, piece of equipment, or utility shall be so constructed or installed that it will function safely, and shall be maintained in satisfactory working condition.
115 FOREST AV	7/27/2010 10:08:43 AM	N	REPAIR FLOORING / COVERING	REPAIR FLOORING/COVERING Replace all worn and broken flooring throughout the building. CBC SECTION 1117-49 Maintenance of interior walls, floors and ceilings: All walls, ceilings, floors and woodwork of any room or hall shall be kept free of large holes, large cracks, loose, flaky, peeling, and unclean or unsanitary conditions.

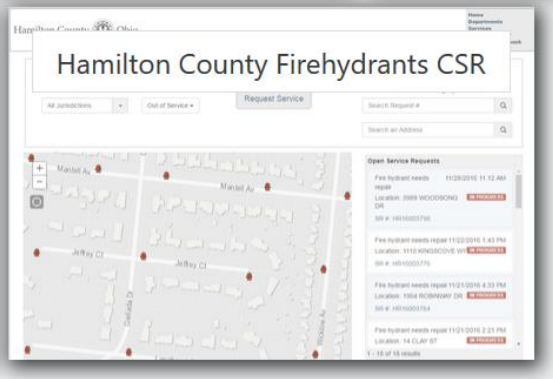
Customer Service Request System

CSR





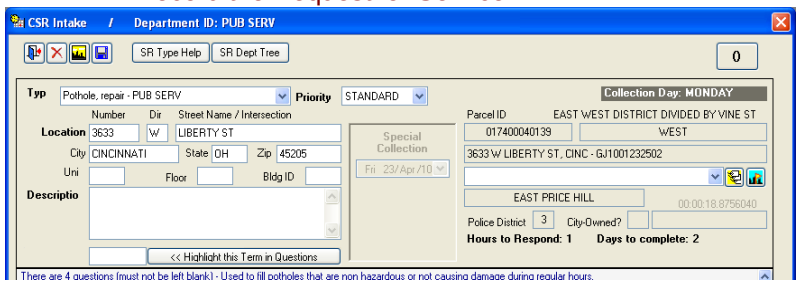




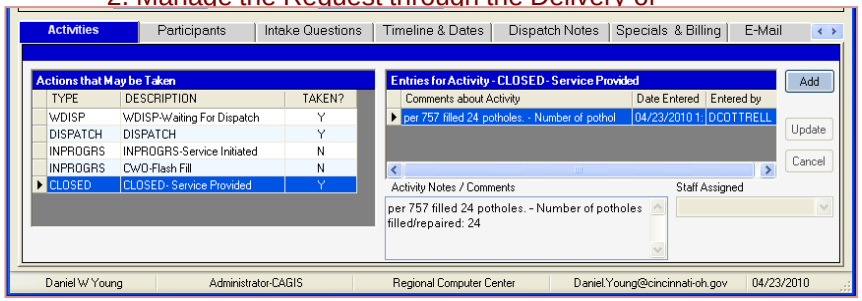
Customer Service Request System

Managing Service requests from the initial request through the completion of service.

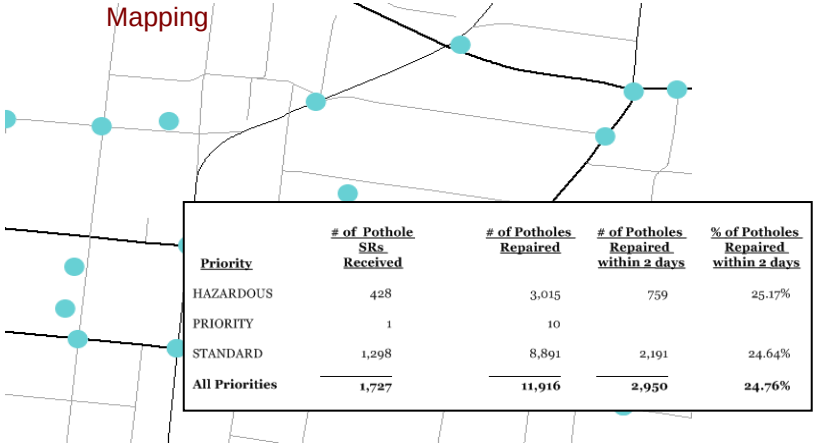
1. Record the Request for Service



2. Manage the Request through the Delivery of

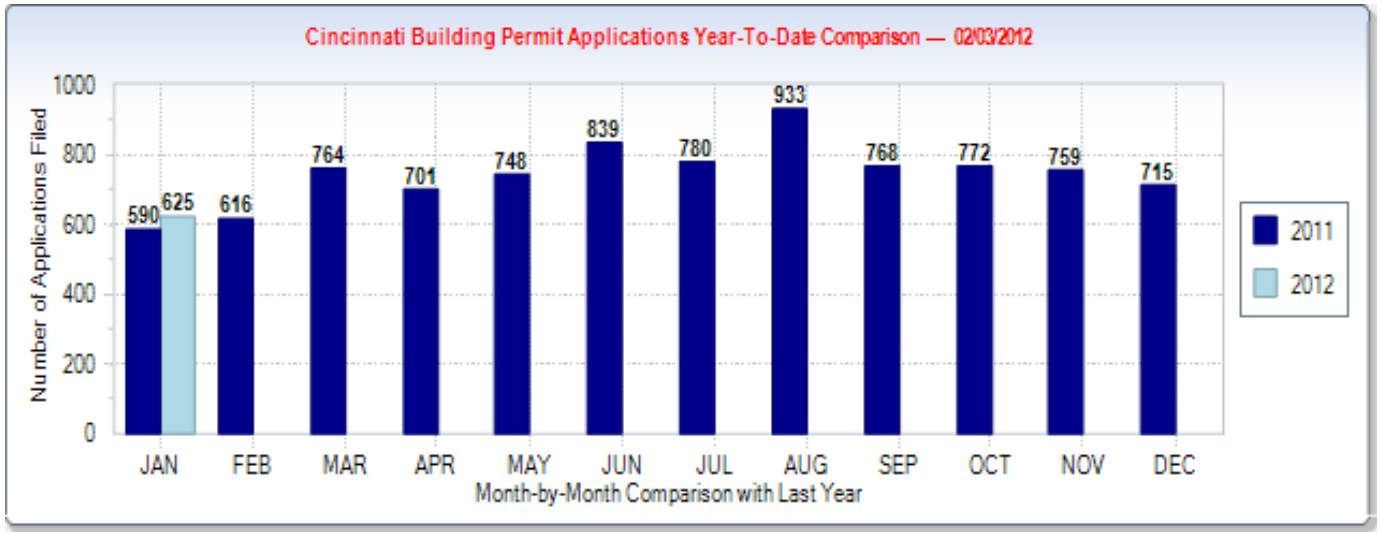


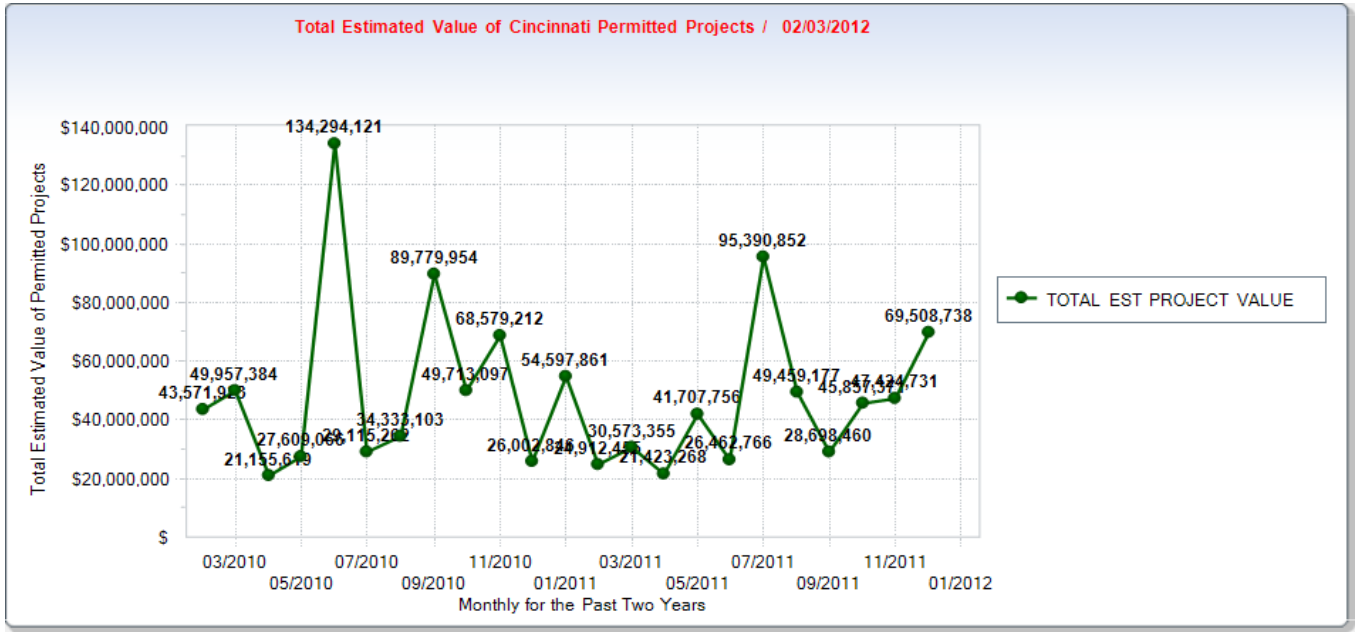
3. Provide Management Tools for Reporting, Analyzing and Mapping



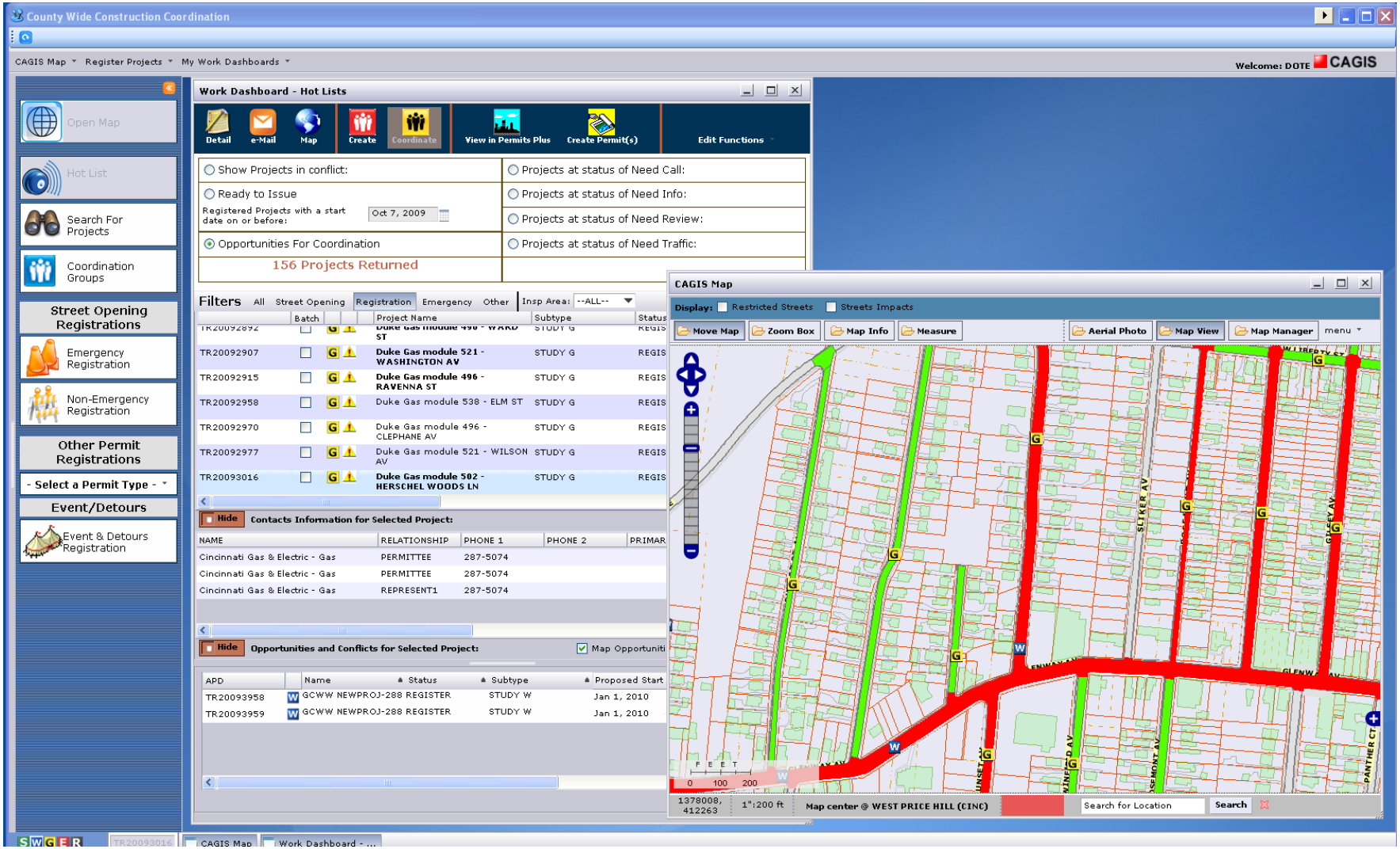
Priority	# of Pothole SRs Received	# of Potholes Repaired	# of Potholes Repaired within 2 days	% of Potholes Repaired within 2 days
HAZARDOUS	428	3,015	759	25.17%
PRIORITY	1	10		
STANDARD	1,298	8,891	2,191	24.64%
All Priorities	**1,727**	**11,916**	**2,950**	**24.76%**

Management Dashboards





Roadway Construction Coordination



What Is It?

The County Wide Construction Coordination system (CWCC) allows road and utility agencies in Hamilton County, Ohio, to communicate, collaborate and coordinate on all projects that impact the right-of-way within a shared, integrated framework.

Goal:

Extend the life of the street pavement, minimize costs by coordination and enhance community benefits.

What the Application Provides:

• A shared framework for Coordination of Planned Projects related to Streets with the goal to extend the life of the Street Pavement.

• Standardized registration of all projects impacting Street Assets.
Planned Projects – Capital and Maintenance.
Emergencies.

• View, identify opportunities and coordinate registered projects across the County.

• A single point of entry from registration to Permitting for all types of Street related projects.

• Integrated view of street asset information –
Pavement Information,
Pavement PCI,
Street Opening Restrictions,
History of Street Permits.