INFRASTRUCTURE

The infrastructure of Galena, such as roads, bridges, parks, water, storm water systems, and sewer services, will help shape future land use, determining density and actual use.

Roads and Bridges

Interstate 71, located west of the Village has the largest traffic volume in the area. Interstate 71 connects Cleveland, Columbus, and Cincinnati and has an interchange northwest of Galena at U.S. 36/State Route 37. On the west side of the Village, State Route 3 is the primary thoroughfare that moves north-south regional traffic through the area. It leads to Sunbury and U.S. 36/State Route 37 to the north, and leads to Westerville and the I-270 outer belt of Columbus to the south. State Route 605, located east of the Village, is a major north-south thoroughfare in far eastern Delaware County.

In the Village itself, most of the transportation network is composed of collector and local streets. Collector streets in the Village are those roadways that connect the Village with the neighboring townships and municipalities. These include: Old 3C Highway, Columbus St., Sunbury Road, Vans Valley Road, Harrison Street, Dustin Road, and South Galena Road/Walnut Street.

Because of the Big and Little Walnut creeks, the location of bridges is a major consideration for the Village’s transportation system. There are two bridges in Galena that cross each of these two tributaries to the Hoover Reservoir. Both bridges are under the jurisdiction of the Delaware County Engineer. The Old 3C Highway/Columbus St. Bridge deck and supports over Little Walnut Creek will be replaced in 2010. The Sunbury Road Bridge (just east of the square) was built in 1957 and is scheduled for replacement in 2012. While it would be desirable to accommodate foot and bike traffic on these bridges, widening will not occur. Both bridges accommodate two lanes of traffic. The Little Walnut Bridge over State Route 3 is under state auspices. Map 4-1 illustrates major transportation elements in the Galena area.

As noted previously, citizens have expressed concerns about additional traffic volumes associated with new development in the area. It is recognized that as development occurs in the Village and in neighboring areas, problems such as congestion and accident rates will become more evident. Traffic flow issues are also major considerations at the county level, which prompted Delaware County to prepare its 2002 Thoroughfare Plan. Among the major elements
in the plan is a proposed future thoroughfare known as Berkshire Parkway that would dramatically impact Galena. This roadway was proposed to go through the north side of Galena diverting some traffic around Sunbury and Galena. This proposed roadway is opposed by the Village of Galena given its major impact on the Village. There are no known detailed engineering plans, nor identified funding sources for this project.

Sunbury’s Draft Master Plan recommends a Miller-Paul Road extension from Vans Valley Road north to State Route 37. This would provide a Galena/Sunbury bypass that would alleviate some of the traffic flowing through Galena at the Sunbury Rd./Columbus St. and Walnut St. intersections in downtown. Since this plan alleviates traffic congestion in Galena, the Village supports this concept.

**Wastewater Treatment**

Wastewater treatment in the Village of Galena is a very significant issue with lasting impact on the immediate community as well as all of the Hoover Reservoir drinking water recipients in the Columbus metropolitan area. The Village owns and controls sanitary sewage lines inside the Village and the treatment facility that is located on the north side of Ruffner Park between Harrison Street and Big Walnut Creek. Discharges flow into Big Walnut Creek and ultimately Hoover Reservoir to the south. The wastewater treatment plant was designed to treat an average design flow of 75,000 gallons per day. The plant consists of an extended aeration plant with clarification preceded by a trash trap, equalization tank, splitter box, aeration tanks, clarifiers, up-flow fixed media clarifiers, slow surface sand filters, and UV disinfections. The Village has an Ohio Environmental Protection Agency (OEPA) Permit to Install and approved plans for a new .5 million gallon per day wastewater treatment plant.

As will be discussed in more detail later, the Village of Galena has determined that some level of controlled growth is necessary to achieve its long-term community development goals, and that expansion of wastewater treatment capacity is an important element to facilitate growth in an environmentally responsible manner. The Village submitted an Area-wide Water Quality Management Plan in August 2005 to the OEPA that designates its sewer service area. The Village takes its responsibility as a steward of the environment seriously and abides by Ohio’s State Water Quality Management Plan final document of 2006 which states in Appendix 9-1, Page 3, Paragraph 4: “New or replacement home sewage treatment systems (HSTS) shall not be permitted where public sewer is available.”
Water

The Village operated its own water system until 1996 when it was sold to Del-Co Water Company which now owns the water lines and treatment plant. Del-Co Water supplies water to much of Delaware County including the Village of Galena and surrounding areas. However, many existing homes in and around the Village still rely on well water. As development occurs, densities greater than one unit per acre typically require fire hydrants, which require a minimum 6-inch diameter water line.

Other Utilities and Services

Village-wide water, gas, and electric utilities are shown on Map 4-2. American Electric Power is the sole provider of electric service within the Village. Columbia Gas provides natural gas. The Village contracts with private companies for exclusive residential trash collection and recycling services. Telephone and broadband DSL internet services are provided by Century Link (formerly Embarq and Sprint). Additionally, Time-Warner Cable provides a full range of telephone, internet, and television services. The Village has adopted cellular tower regulations limiting cell towers in the Village and there is only one tower within the current Village limits.

Storm Water Management

The 2002 Storm Water Study for the Village of Galena found that the following areas were the most problematic areas within the Village:
- Around the abandoned railroad;
- Near the industrial park area;
- Along Middle Street north of Water Street; and,
- Along Walnut Street near State Route 3.

According to the results of the Storm Water Study, the following recommendations were made:
- The sizes of the existing culverts along the abandoned railroad need to be increased to properly manage the current and expected future flows.
- The industrial park would be better served by increasing the size of collector pipes serving the area.
- The 24” outlet pipe is adequate for the expected design flows through the system.
- The area along Middle Street is not currently served, but should be served with a system to be constructed within the Village.
- An upgrade in storm drainage for the Walnut Street area near State Route 3 has also been designated.
- It was recommended that the Village install new main line storm sewers and collector pipes with new inlet structures throughout other areas within the Village to eliminate the numerous subsystems and outlets that currently exist.

The City of Columbus has expressed interest in working with the Village on innovative storm water management technology.
Parks, Trails, & Open Space

As noted previously, residents value parks and open spaces. Map 4-3 illustrates the location of area parks and trails which are described below:

**Parks**

**Ruffner Park**

Ruffner Park is located on Harrison Street next to the Big Walnut Creek and is 5.38 acres in size. Ruffner Park features a shelter house, playground, volleyball court, restrooms, and a baseball diamond. The Jeff Dutiel Field of Dreams baseball diamond is one of the finest ball diamonds in the area thanks to many improvements donated by Columbus Sharks volunteers and sponsors. Ruffner Park is a popular fishing and kayaking location. This public park has been upgraded in several ways in recent years including replacement of playground equipment, ball field clay replacement, and new dugouts. An active grant writing plan has been successful at funding improvements.

**Donald E. Miller Park**

Miller Park is located on North Walnut Street and features a playground, basketball court, volleyball court, a .4 mile paved walking trail, and a picnic gazebo. As part of the Capital Improvements Plan a Miller Park Master Plan was prepared. Some playground equipment was replaced in 2004 and 2010. New facilities planned for the park include a new railroad themed jungle gym, restrooms, tennis courts, shelters, volleyball courts, horseshoe courts, asphalt parking lots, and new trees.

**Trails**

**Regional Bikeway Corridors**

In Galena, the Mid-Ohio Regional Planning Commission (MORPC) Regional Bikeways Update corridor follows the abandoned rail line that runs beside the Galena Cemetery, crosses Walnut Street next to Miller Park, and continues up the Galena Brick Trail. It is not paved, but part of it
is improved with a hard surface, and traverses a turn-of-the-twentieth century railroad bridge over the Little Walnut Creek. A scenic overlook affords an attractive view of natural areas. Land within the Village planned for development also includes a trail extension that would link the Brick Yard Trail with the Big Walnut Trail in Sunbury. The Kane’s Crossing Bridge and paved trail, completed in 2010, provides an essential link in the trail system with access over Big Walnut Creek.

Ultimately, it is expected that this regional bikeway will become more and more active as a recreation facility of state-wide significance. This affords Galena with many opportunities to capitalize on the potential of this facility in terms of both a local amenity for residents and as a source of economic development potential.

Neighboring communities are now planning for the further development of this corridor. The McNamara Park and Trailhead in Genoa Township were dedicated in April 2003. Genoa Township (south of Galena) extended this trail north to Plumb Road. A Plumb Road to Weise Road connection will be constructed in 2010. Eventually, this trail will be extended up Dustin Road and tie into the Village’s Hoover Scenic Walkway.

**Hoover Scenic Walkway**

The Hoover Scenic Walkway represents 6.12 acres with a .3 mile trail built on an old rail bed. It offers a scenic view of the Little Walnut Creek, woods, and wetlands as well as an observation and picnic deck built in 2002. This walkway will ultimately become part of the Ohio to Erie Trail system.

**Galena Brick Trail**

The Galena Brick Trail includes 2.782 acres of area with a .3 mile trail that will also become part of the Ohio to Erie Trail.

**Kane’s Crossing Trail/Bridge**

This land was acquired in 2006 to become part of the Ohio to Erie Trail. This feature represents .832 acres with a .2 mile trail. The trail was paved and the bridge constructed in 2010 to connect to the Walnut Creek subdivision’s paved trail. Access and future connections must still be developed.
Miller Park Walking Trail

Miller Park features a paved .4 mile walking trail loop that eventually will be tied into the Hoover Scenic Walkway and Galena Brick trails.

Walnut Creek Trail

The Walnut Creek Trail involves 8 acres with a .3 mile paved trail. Connected by a bridge over Big Walnut Creek, this trail links to the Kane’s Crossing Trail and will eventually link north as part of the Ohio to Erie Trail.

Hoover Boardwalk

The City of Columbus constructed a 1,500 feet (.3 mile) boardwalk along the shoreline of Hoover Reservoir in the Village of Galena. This boardwalk provides greater access to the shoreline and adjacent natural areas. Plans include eventually connecting the boardwalk to the abandoned Yankee Street to make a loop. The Village of Galena needs to develop plans for its recreational trails to connect with this boardwalk.

Open Spaces

Recent subdivisions developed (or under development) in Galena have included open space set-asides. These include the Heathermere Subdivision (3.572 acres of open space provided in 2005); Blackhawk Subdivision (15.5 acres of open space provided in 2005); and the Walnut Creek Subdivision (8.3 acres of open space/trail/bridge provided in 2005). The Miller Farm was annexed in 2007 and a subdivision is pending that will include 34 acres of open space and trails.

Proximity to Open Space

In considering the open space network in Galena, one important element worth noting is the matter of proximity to open space. Because open spaces are prevalent throughout the Village, most residences are already close to open spaces. The average proximity to open space for homes within the current Village limits is 445.88 feet. This value has been measured in Galena and is an important aspect of community livability. Residents stated that they valued the open and natural areas in the Village and wish to preserve them.

Regional Open Space System

Galena is located at the confluence of Big and Little Walnut creeks which have their headwaters in Morrow County north of Galena. Hoover Dam impounds both creeks creating a water body
of more than 3,000 acres known as Hoover Reservoir. This water body is a major source of drinking water for the City of Columbus and surrounding suburbs. Hoover Reservoir offers fishing and boating and features several City of Columbus designated parks and nature preserves. The lake and its mud flats are an important bird migratory stopover and are popular bird watching spots. Below Hoover Dam, Big Walnut Creek flows in a southerly direction through Franklin County. The Big Walnut Creek has been identified as being part of Franklin County's greenway system and is noted for its potential as a continuous open space corridor east of Columbus.

Recreational Needs

Delaware County voters approved a ballot initiative for a parks levy in November 1999. Preservation Parks of Delaware County now receives a .4 mill levy, which is expected to generate about $900,000 per year for parks. Ten percent of that money is set aside for communities to develop parks. Galena’s parks have been improved with Preservation Parks’ grant funding, Columbus Sharks’ donations and volunteer efforts, as well as Village funds and staff and volunteer efforts.

Many local recreational needs are met with City of Columbus parks and nature areas on Hoover Reservoir. Preservation Parks of Delaware County also operates a trail in Sunbury and Char-Mar Ridge Preserve south of Galena on Lewis Center Road. Galena’s streets and trails and existing parks meet many local recreational needs as do its exceptional volunteer-lead special events programs.
Map 4-1

Regional Map
Village of Galena, Delaware County, Ohio

Scale 1" = 1 Mile

Prepared by Delaware County Regional Planning Commission
(740-833-2260) http://www.dcrpc.org
Source: Delaware County 2020 Thoroughfare Plan

Legend:
- Municipal Boundaries
- Township Boundary
- Thoroughfare Plan Roads
- Sanitary Sewer Plan Road
- Current Roads by Functional Classification
  - Freeway
  - Major Arterial
  - Minor Arterial
  - Major Collector
  - Minor Collector
- Other Roads (Road Centerlines)
- Rivers/Lakes
- Streams
Map 4-2
Map 4-3

Village of Galena Infrastructure  Chapter 4

Parks and Trails
Village of Galena, Delaware County, Ohio

| Scale: 1" = 1,500' |

Prepared by Delaware County Regional Planning Commission (917-633-2620) http://www.dcrpc.org
Source: DCRPC

Parks
- Preservation Parks
- Preserves/Parks
- Municipal Parks
- Township Parks
- Village of Galena

Village of Galena
- Road Centerlines
- Existing Bikeway
- Galena Proposed Bikeway
- Proposed by others
- Sidewalks
- Property Lines
- Rivers/Lakes