

# **COMMONWEALTH™ ENGINEERS, INC.**

**A wealth of resources to master a common goal.**





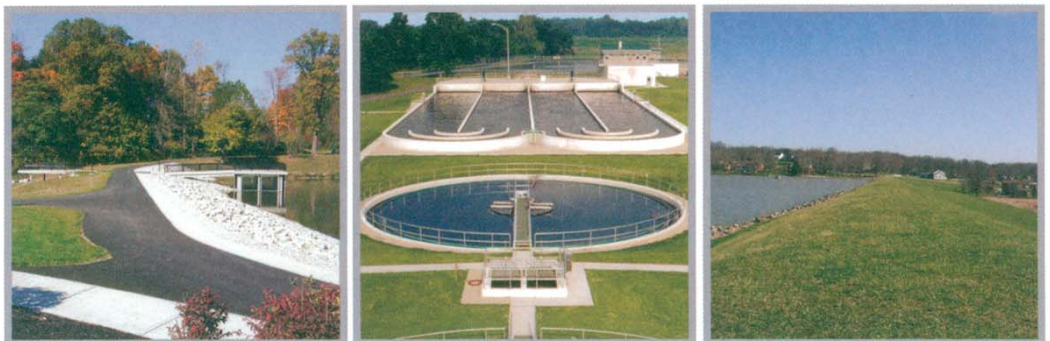
## *Excellence Through Experience*

Commonwealth Engineers, Inc. was established in 1974 with a commitment to become the most comprehensive engineering and consulting firm in the state of Indiana. Over the past three decades we have achieved and maintained that goal, successfully completing hundreds of projects and consistently meeting – and exceeding – our customers' needs and expectations.

Our expertise encompasses a wide range of services to meet the challenges and opportunities facing today's customers. We specialize in infrastructure projects that directly impact water resources and the environment, while our diversified background permits us to offer an impressive array of related services.

Commonwealth Engineers addresses every aspect of your project as effectively and efficiently as possible. How do we achieve this extraordinarily high level of service? Every project is assigned a specialized team of experienced engineers and personnel.

We serve in partnership with our customers to assure the best possible communication and satisfaction.



# Services Offered

Commonwealth provides an array of services to address your infrastructure needs, including:

- Feasibility Studies & Evaluations
- Preliminary Engineering Reports
- Master Planning
- Design
- Construction Administration & Inspection
- Other Technical Services

## PROJECT TYPES

### Drinking Water

- Supply
- Well Field Development
- System Hydraulic Modeling
- Treatment, Distribution & Storage

### Wastewater Utilities

- Collection & Treatment
- Infiltration/Inflow Studies
- Sewer System Evaluations & Modeling
- Innovative Treatment Technologies
- Combined Sewer Overflows (CSO)
- National Pollutant Discharge Elimination System (NPDES) Compliance
- Industrial Pre-treatment

### Stormwater Management

- Site Development Reviews
- Watershed Assessments & Design
- Best Management Practices
- Stormwater Treatment Practices
- Dam & Levee Inspection/Design
- Municipal Separate Storm Sewer System (MS4) Compliance

### Environmental Services

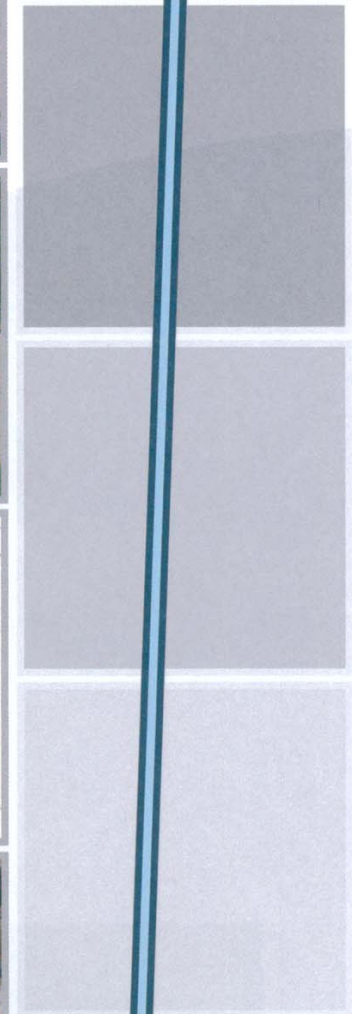
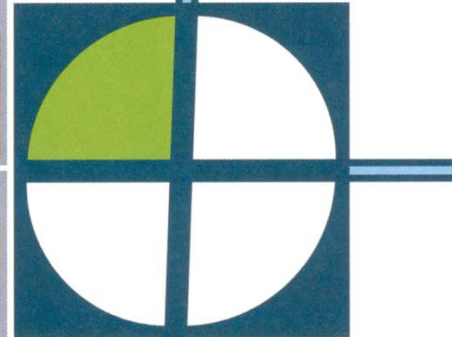
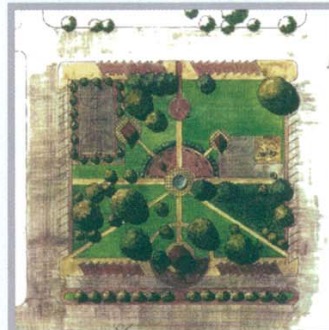
- Environmental Site Assessments
- Soil/Groundwater Investigations
- Remediation Design & Implementation
- Lake & River Enhancement
- Industrial/Municipal Compliance Audits
- Environmental Permitting

### Civil/Transportation

- State & Local Streets & Highways
- Intersection Improvements
- Multi-use Paths & Sidewalks
- Streetscapes & Enhancements
- Context Sensitive Solutions
- Traffic Signal Design

### Other Services

- Site Development – Commercial & Industrial
- Construction Monitoring
- System Mapping
- Geographic Information Systems (GIS) Consultation



## Awards

At Commonwealth Engineers we strive to provide the very best to our valued customers. We are proud that, together with our customers, we have received the following awards:

### ***American Council of Engineering Companies (ACEC) Engineering Excellence Awards***

Town of Fishers:

Wastewater Treatment Plant Improvements Project – Merit Award

City of Columbus:

Residuals Recycling Facilities – Honor Award

City of Franklin:

Wastewater Treatment & Biosolids Facilities – Honor Award

- **Town of Newburgh:**

Wastewater Treatment Plant Improvements – Honor Award

- **Town of Orleans:**

Congress Square Revitalization Project – Merit Award

- **Town of Akron:**

CSO Constructed Wetland Treatment System – Merit Award

Town of Brownstown:

Wastewater Treatment Plant Improvements Project – Merit Award

City of Monticello:

Water Treatment Plant Improvements Project – Merit Award

Town of Santa Claus:

Wastewater Facility Improvement Project – Merit Award

City of Columbus:

Class A Biosolids Management Study – Merit Award

- **City of Greenfield:**

Wastewater Facility Improvements Project – Honor Award

City of Huntingburg:

Waterworks Improvements Project – Merit Award

Town of Avon:

Town Hall Dam & Trail Improvements Project – Merit Award



## ***ACEC Engineering Excellence Awards (cont'd)***

City of Columbus:  
Sewer Utility Master Planning Report – Merit Award

- **Lake Santee Regional Waste and Water District:**  
New Water Treatment Plant – Honor Award
- **City of Indianapolis:**  
Belmont North Pipe Bursting Project – Merit Award

## ***EPA Awards***

City of Franklin:  
Received the 2004 Region 5 U.S. EPA Best Medium Treatment Facility

Town of Brownstown:  
Received the 2005 Region 5 U.S. EPA Best Small Treatment Facility and  
the 2005 National U.S. EPA Best Small Treatment Facility

## ***ACEC Qualifications Based Selection (QBS) Award***

Town of Geneva:  
Winchester Road Drainage Improvements Project

City of Indianapolis:  
Gravity Belt Thickener Project

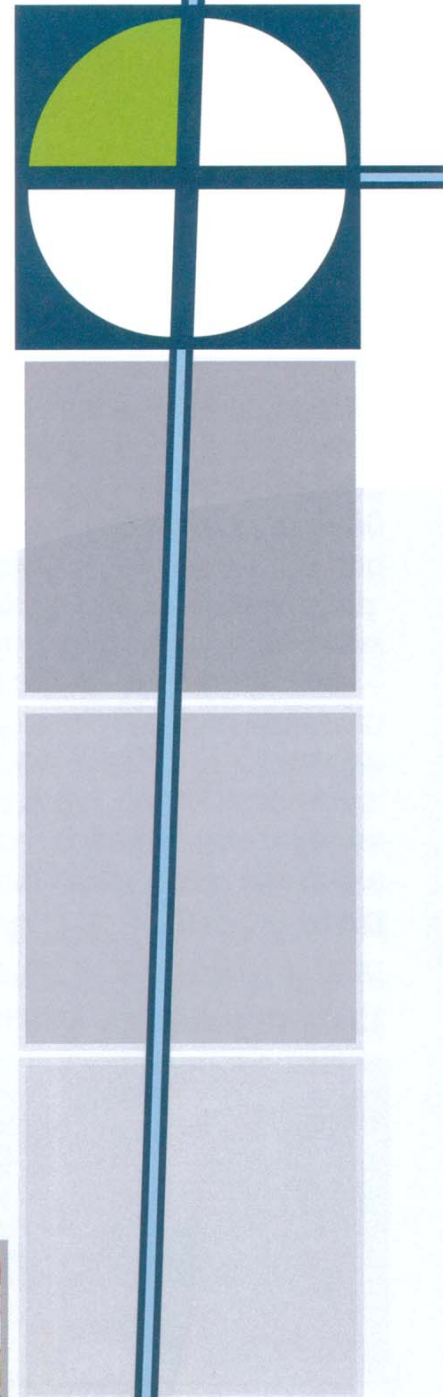
Town of Grandview:  
Utility Master Plan

Town of Marengo:  
Master Plan for Regional Water Utility

Town of Milltown:  
Master Plan for Regional Water Utility

## ***Trenchless Technologies Runner-up Project of the Year 2005***

City of Madison:  
Sewer Rehabilitation





**Forward Thinking. Forward Progress.**  
Creating the future with talent, technology and teamwork.



**Akron**

*CSO Constructed Wetland Treatment System  
ACEC Merit Award*

**The challenge:** Create a Combined Sewer Overflow Operation Plan and CSO Long Term Control Plan that would eliminate health and environmental concerns for Town Lake.

**The solution:** Innovative design and installation of a channelized flow constructed wetland treatment system.

**The result:** Proven benefits for the environment, plus improved aesthetic quality of life for the community and surrounding wildlife.



**Greenfield**

*Wastewater Facility Improvements Project  
ACEC Honor Award*

**The challenge:** Expand existing wastewater treatment plant to accommodate growth, as well as transport and treat all wet weather flows.

**The solution:** Provided state-of-the-art High Rate Ballasted Clarification process, UV disinfection and Class A Biosolids technologies providing the highest level of treatment and efficiency meeting NPDES permit limits during extreme rainfall events.

**The result:** The City of Greenfield has been removed from the State's Combined Sewer Community list. Water quality standards achieved during wet weather.



**Indianapolis**

*Belmont North Pipe Bursting Project  
ACEC Merit Award*

**The challenge:** Extensive sanitary sewer rehabilitation in the progressive, mature North Willow Farms neighborhood.

**The solution:** Innovative trenchless technologies.

**The result:** Substantial cost savings, reduced damage to trees, fences and landscaping, no need for additional easement, and minimal impact on utilities and the environment.



**Corporate Headquarters  
Indianapolis**



**Orleans**

*Congress Square Revitalization Project  
ACEC Merit Award*

**The challenge:** Create a vibrant community focal point by rejuvenating the aging Congress Square downtown area.

**The solution:** Participated in a team that significantly restructured and improved the town's subsurface infrastructure, traffic and pedestrian flow, park area, civic buildings, street lighting and more.

**The result:** A vibrant revitalization of Congress Square, enabling it to regain its heritage as a gathering place for the people, merchants, and families of Orleans.



**Lake Santee Regional Waste & Water District  
Water Treatment Plant  
ACEC Honor Award**

**The challenge:** Replace the existing, aged water treatment facility with its inadequate supply capacity, and address increasingly stringent water quality standards.

**The solution:** Employ a range of innovative technologies – including membrane filtration, granular activated carbon columns, geothermal heating and cooling, and much more – to increase raw water supply capacity and provide a new 175 GPM surface water treatment plant.

**The result:** A new facility boasting a flexible design and state-of-the-art processes capable of treating 100% greater flows per day with only a small expansion of the treatment systems and no expansion of the water treatment plant building.



**Newburgh**

*Wastewater Treatment Plant Improvements  
ACEC Honor Award*

**The challenge:** Community growth far exceeded the existing wastewater treatment plant capacity.

**The solution:** An aggressive two-part expansion. Part one: a new mile-long 48" diameter outfall to the Ohio River. Part two: doubling the existing plant up to 4.6 MGD.

**The result:** A plant truly capable of servicing this fast-growing community. We even designed unique site lighting to prevent disruption of strict lighting control at a nearby commercial greenhouse operation!

## ***Professional and Community Service***

As strong as our dedication is to our clients, we are also committed to the communities in which we live and work. It is with great pride that support of community organizations and charitable events has become an integral part of the Commonwealth culture.

### ***Affiliate/Sponsored Organizations***

Alliance of Indiana Rural Water  
American Academy of Environmental Engineers  
American Council of Engineering Companies  
American Society of Civil Engineers  
American Water Works Association  
Association of State Dam Safety Officials  
Indiana Association of Cities and Towns  
Indiana Association of County Commissioners  
Indiana League of Municipal Clerk Treasurers  
Indiana Rural Water Association

### ***Affiliate/Sponsored Organizations (cont'd)***

Indiana Water Environment Association  
Purdue Road School

### ***Community Based Donations***

4th of July Celebrations  
Centennial Celebrations  
Employee Appreciation Luncheons  
Local Festivals  
Scholarship Funds  
Indiana Mayoral Roundtables  
Indiana Town Roundtables  
Golf Outing Donations & Sponsorships  
Water for People

### ***An Annual Tradition***

Commonwealth Engineers is proud to host our client appreciation golf outing each summer. Focused on giving back to the community, this annual event allows our clients to play for the local or national charity or organization of their choice. Over the years, we have donated thousands of dollars to worthy charities and foundations.





# **COMMONWEALTH<sup>TM</sup> ENGINEERS, INC.**

**A wealth of resources to master a common goal.**

**Branch offices are located across Indiana.  
Please visit our web site or give us a call  
to find the location nearest you.**

**[www.commonwealth-engineers.com](http://www.commonwealth-engineers.com)**

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