CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

Item 3 — On-Call Design and Construction Inspection Services

March 2, 2017

A wealth of resources to master a common goal.
City of Indianapolis Department of Public Works
Item 3 - On-Call Design and Construction Inspection Services

David Borden
Assistant Administrator of Construction

Roger Kotlowski, PE
Project Manager

Theresa Boehmer, PE
Project Engineer

Eric Thomas
RPR/Coordinator

Greg Bryan
Infrastructure
(MBE) 15%
Inspector

James R Gill
Precept Surveying
(VBE) 3%
Inspector

Lori Rushin, P.E.
Eilts
(WBE) 8%
Inspector
Mr. Kottlowski has over 37 years of experience in hydrology and hydraulics and is currently Project Manager for planning, design and construction of dams and levees, stormwater collection and treatment systems, stream and lake enhancement, environmental, and other water resource type projects. Recent work has included the design and evaluation of several dams and levees, watershed planning, green infrastructure designs, and trail/transportation projects for cities, towns, conservancy districts and counties throughout Indiana using various funding programs. Prior to joining Commonwealth Engineers, Inc. in 1992 he was responsible for planning and design of public and private engineering projects. This included designs for major urban utility redevelopment areas, large diameter storm sewers and tunnels, and an urban canal redevelopment project known as the Lower Canal in Indianapolis. He was also responsible for transportation-related projects including the design of local and state highway and interstate projects.

RELEVANT PROJECT EXPERIENCE

- **City of Indianapolis, IN - Eagle Creek Shoreline Stabilization Project**: Project developed because of two biennium high hazard dam inspections completed by Commonwealth Engineers for the City of Indianapolis. Steep erosion was discovered within 16’ of Dandy Trail. The side slope was eroding down to the Eagle Creek Reservoir and was progressively moving slowly towards the road. Commonwealth was selected to provide construction inspection services for the reconstruction of 1,500’ of this shoreline.

- **Town of Speedway, IN - Speedway Sewer Separation Project**: The project included construction engineering and inspection for approximately 21,800 feet of 12 inch through 66 inch diameter storm sewers and nearly 25,000 feet of pervious concrete pavement gutters and aesthetic permeable interlocking concrete gutter areas at intersection radii. In addition the project included the nearly 4 miles of “green” infrastructure that consisted of the placement of bio-swales and bio-retention areas

- **Indiana - Various Dam, Levee and Lake Enhancement Work**: Work consisted of dam inspection and rehabilitation work and lake enhancement work throughout Indiana for conservancy districts, lake associations, municipalities and state agencies including the following:
  - Avon, IN - Avon Lake and Dam Improvements
  - Indianapolis, IN - Eagle Creek Dam
  - Bloomington, IN - Lake Lemon Dredging Planning
  - Monticello, IN - Lake Shafer and Freeman Dredging Planning
  - IDNR Dam & Levee Improvements: Nashville, IN - Crooked Creek Dam; Bruceville, IN - White Oak Lake Dams; Vernon, IN - Crosley Lake Dam; Washington, IN - Glendale Fish & Wildlife Area Levee Repair; and Mansfield, IN - Mansfield Dam
  - Princes Lakes, IN: East Lake Dam and North Lake Dam
EXPERIENCE & EXPERTISE

Tracy brings ten (10) years of extensive experience in planning, design and construction management to Commonwealth Engineers. Tracy has successfully worked with a large variety of clients on several projects with environmental sensitive areas and has a unique perspective on constructability as she has served as both lead design engineer and lead construction manager on numerous storm sewer, water distribution, wastewater improvement, land development, and transportation projects. Tracy is also a LEED AP ND with experience in many facets of “green” engineering practices.

RELEVANT PROJECT EXPERIENCE:

- **City of Lawrence, IN - Industrial Park (Allen and Sellers) Stormwater Needs Assessment:** Served as lead project engineer on the scoping report to determine the required improvements in the Allen and Sellers industrial area to alleviate major flooding issues. Report included an extensive field assessment as well as modeling of the existing storm system in the immediate area to determine required improvements. Project will need to include extensive railroad coordination for ditch improvements to improve the drainage outlet for the industrial area.

- **City of Indianapolis, IN - 21st and Butler Neighborhood Drainage Improvements:** Currently serving as the lead project engineer to alleviate flooding in the 21st and Butler area of Indianapolis. The project is currently at the 30% stage and is proposed to include ditch and storm piping improvements, as well as a small detention basin to eliminate flooding and reduce the peak flows to the railroad right of way. Project includes modeling, extensive sub-consultant coordination, and utility coordination.

- **City of Indianapolis, IN - Misc. On-Call Countywide Stormwater Improvements:** Served as lead project engineer for drainage improvements at eight (8) separate neighborhood locations throughout the City. Improvements included road culvert crossings, ditch improvement, storm pipe improvements, and hybrid ditch retrofitting of existing bioswales.

- **Town of Culver, IN - Culver Drainage Improvements Project:** Served as lead project engineer on the project. Work consisted of the design of new storm sewer infrastructure in order to contain a major flooding issue in town due to impervious surfaces. Project required extensive coordination with the Marshall County Drainage Board in order to address downstream concerns as well as pavement replacement and grading.
Eric E. Thomas  
Resident Project Representative

**EXPERIENCE & EXPERTISE**

Eric joined Commonwealth Engineers in 2011 and has over thirteen (13) years of construction experience in the water and wastewater industries. Prior to joining Commonwealth, Eric worked for ten (10) years as a project manager for a general contractor managing the construction of multiple water/wastewater treatment plants, collection systems, and waterline distribution projects for communities in and around central Indiana. His duties since joining Commonwealth include performing on-site inspections of construction activities to assure compliance with approved shop drawings, specifications, contract documents, and to record all construction information required to provide accurate quantities and as-built records. He also works with our design engineers to prepare construction cost estimates, construction schedules, constructability reviews, and value engineering reviews for projects during design. Examples of Eric’s recent experience at Commonwealth include the following construction projects.

**RELEVANT PROJECT EXPERIENCE:**

- **City of Richmond – Eastside Interceptor Replacement Project Phase III:** Served as a Resident Project Representative for the project that consisted of (a) the installation of approximately 8,136’ of 54” diameter interceptor sewer by open cut and trenchless (tunneling) installations, (b) installation of sanitary sewer manholes, and (c) all incidental work including shaft installations, bypass pumping for sewer installation, erosion control, traffic control, and surface restoration.

- **City of Indianapolis – Castleton Relief Sewer Phase II:** Served as the Resident Project Representative for the project that consisted of (a) the installation of 10,640’ of 36” to 42” gravity sewers installed by open cut construction at depths ranging from 8’ to 30’, (b) the installation of 28 precast manholes, (c) storm water drainage improvements, and (d) the complete removal and replacement of approximately 6,000’ of local roads and intersections complete with curb and gutter, driveway culvert replacements, and new asphalt drives.

- **City of Indianapolis – Castleton Relief Sewer Phase I:** Served as a Resident Project Representative for the project that consisted of (a) the installation of 2,740’ of 42” sewer installed by microtunneling, (b) the installation of 6 precast manholes, (c) multiple water main relocations, (d) storm water drainage improvements, (e) the complete removal and replacement of approximately 1,000’ of local roads and intersections complete with new asphalt drives as required, and (f) a new asphalt walking trail for Riverwood Park.

- **Indianapolis Water Company – Geist Water Treatment Plant Expansion:** Construction of a 4 MGD expansion to the existing 4 MGD groundwater treatment plant including three (3) new groundwater wells, pumps, and 7,800 LF of 12” and 16” raw water collection piping, two (2) steel detention tanks with aerators, filter building expansion, three (3) new horizontal pressure filters, two (2) new high service pumps, one (1) new backwash pump, chemical feed equipment, a new 1.6 MG earthen backwash residuals lagoon, and site piping required for connection to existing facilities.
October 24, 2014

Infrastructure Engineering of Indiana, LLC
Attention: Michael Sutton/Kashif Khan
2601 Fortune Circle East, Suite 202B
Indianapolis, IN 46241

Dear Mr. Sutton & Mr. Kashif Khan:

The Office of the Mayor’s Minority Business Development Division has completed its review of your firm’s application for certification as a certified Minority Business Enterprise (MBE).

Your company is hereby certified with the City of Indianapolis as a Professional Service specializing in; Engineering Services to include Civil, Design, Site, Structural, Construction Management, Inspection and Related Services. This certification is issued pursuant to the City’s Minority & Women Business Utilization Plan, part B.

Your certification is valid until October 31, 2017 and is subject to revocation if: (1) changes in ownership; managerial or operational control cause your firm to no longer qualifies for the City’s M/WBE Program; (2) or if just cause is determined through established investigative procedures; or (3) The status of your home state certification has changed.

M/WBE firms must inform DMWBD, in the form of a sworn affidavit, of any changes affecting the ability of the Firm or its owners to meet the guidelines of the City’s Utilization Plan with regards to ownership, control or the other certification requirements of the City Minority & Women Business Utilization Plan, part B. (Affidavits must be received within thirty (30) days of the change.) Additionally, M/WBE firms must provide yearly to the Office of the Mayor a No Change Statement stating that the qualifying owner(s) continue to meet the ownership and control requirements of the City’s Utilization Plan. The No Change Statement will be mailed to your firm approximately sixty (60) days prior to your anniversary date.

Please ensure that your contact information is accurate and stays current. Inaccurate information limits our ability to provide outreach of current and up to date business opportunities. This certification is not necessarily accepted by other States or Agencies and does not verify the ability of your firm to perform the types of work you may indicate.

Please go to the Central Purchasing Division website to register your business at: www.indy.gov/purch or call (317) 227-4900 for further instructions.

Sincerely,

Ralph W. Adams Jr.
Contract Compliance Manager
M/W/DOSBE Certification Program
cc: file

Phone: 317.327.5262 1260 City County Building
Fax: 317.327.4482 200 East Washington Street
Indianapolis, Indiana 46204
www.indy.gov
Greg Bryan  
Engineer Technician | Inspector

PROFILE

Mr. Bryan brings 26 years of diverse engineering experience encompassing design, inspection & surveying. His broad experience in both design and survey allows him to bring a unique value to the projects, where not only he can lead in design but also blend his constructability perspective into the proposed solutions. Mr. Bryan is well versed with ADA Standards as well as local construction practices. As a designer and surveyor, Mr. Bryan has worked on the design of both new construction and replacement of facilities such as sidewalks and curb ramps.

EXPERIENCE

I-65 Design Build, Added Travel Lanes, Marion & Johnson Counties, IN – Inspector for the design and construction of added travel lanes of I-65 in Marion & Johnson Counties. Inspection work included QA/QC of asphalt paving as well as underdrains and PCCP concrete pavement.

2014 Phase II Professional Design Engineering Services, ADA Ramp Improvement Project, City Of Chicago, Chicago, IL – Design Engineer for the design of ADA ramp improvements for project 57 & 61 South Area for the City of Chicago. ADA curb and ramp design for multiple project assignments throughout the Chicago area. Designs included, field verification of existing ramps for compliance with ADA standards along with specifications and quantity estimates.

2010 Resurfacing Design; Indianapolis DPW; Indianapolis, IN – Design Engineer for the design of pavement resurfacing and replacement, concrete joint and crack repair, asphalt pavement repair projects and ADA curb and ramp design for multiple project assignments throughout the Indianapolis area. Designs included, field verification of existing pavement conditions and drainage issues associated with pavement failures, design of repair and resurfacing and compliance with ADA standards along with specifications and quantity estimates.

Pavement Management Inventory, Indianapolis DPW and Indianapolis MPO; Indianapolis, IN – Inspection of roadways, sidewalks and curbs performed for the Indianapolis DPW in Indianapolis, and the Indianapolis MPO in Hancock County, Johnson County, Morgan County and Shelby County. Inspections included the quantifying and rating Nineteen different pavement distresses for both asphalt and concrete pavements.

Runway 5L-23R & TW-A Rehab, Indianapolis Airport Authority, Indianapolis, IN; - Inspection of runway 5L-23R and TW-A for the Indianapolis Airport Authority. Inspection included the quantifying and rating of all distresses of runway 5L-23R and TW-A along with the verifying and quantifying the pavement markings for runway 5L-23R and TW-A.

Castleton Relief Sewer; Indianapolis DPW; Indianapolis, IN – Design Engineer for resurfacing plans, maintenance of traffic plans, erosion control plans, permitting and free remeasurement for a large overflow interceptor sewer project in the Castleton area of Indianapolis, Indiana.

2009 Resurfacing Design; Indianapolis DPW; Indianapolis, IN – Design Engineer for design of pavement resurfacing and replacement, concrete joint and crack repair, asphalt pavement repair projects and ADA curb and ramp design for multiple project assignments...
throughout the Indianapolis area. Designs included, field verification of existing pavement conditions and drainage issues associated with pavement failures, design of repair and resurfacing and compliance with ADA standards along with specifications and quantity estimates.

**ADA Curb, Ramp and Sidewalk Design; Indianapolis DPW; Indianapolis, IN** - Design Engineer responsible for field verification of troubled sidewalk areas throughout the Indianapolis area and design of new sidewalk, ramps and curb to ADA standards at 22 locations throughout the City of Indianapolis.

**Homeroft Septic Tank Elimination Project; Indianapolis DPW; Indianapolis, IN** - Design Engineer for a low pressure sewer system in the Homeroft, Indianapolis area as part of the Homeroft Septic Tank Elimination Project. Responsibilities included design layout and modeling for several low pressure sewer systems within the project area. Design Engineer responsible for the maintenance of traffic plans for each of the phases of the project. Design Engineer for roadway replacement and resurfacing plans for the entire project area.
November 10, 2016

Elites Consulting Services
Attention: Lori Rushin
4237 West Stonel Crossing Rd
Greenwood, IN 46143

Dear Mr. Rushin:

The Office of Minority & Women Business Development has completed its review of your firm’s application for certification as a certified Women Business Enterprise (WBE).

Your company is hereby certified with the City of Indianapolis in the Professional Service trade specializing in Engineering Services; Engineering Consulting Management. This certification is issued pursuant to the City’s Minority & Women Business Utilization Plan, part B.

Your certification is valid until November 30, 2019, and is subject to revocation if: (1) changes in ownership; managerial or operational control causes your firm to no longer qualify for the City’s M/W/V/DOBE Program; or (2) if just cause is determined through established investigative procedures.

M/W/DOBE firms must inform OMWDD, in the form of a sworn affidavit, of any changes affecting the ability of the Firm or its owners to meet the guidelines of the City’s Utilization Plan with regards to ownership, control or the other certification requirements of the City Minority & Women Business Utilization Plan, part B. (Affidavits must be received within thirty (30) days of the change). Additionally, M/W/DOBE firms must provide, yearly, to the Office of Minority & Women Business Development a No Change Statement stating that the qualifying owner(s) continue to meet the ownership and control requirements of the City’s Utilization Plan. Failure to provide a yearly No Change Statement may jeopardize your certification status.

Please ensure that your contact information is accurate and stays current. Inaccurate information limits our ability to provide outreach business opportunities. This certification is not necessarily accepted by other States or Agencies and does not verify the ability of your firm to perform the types of work you may indicate.

Please go to the Purchasing Division’s website to register your business at www.indy.gov/purch or call (317) 327-4900 for further instructions.

Sincerely,

M/W/V/DOBE Certification Program

[Signature]

Pahad Beg
Contract & Finance Manager

Phone: 317.327.5282
Fax: 317.327.4482
1260 City County Building
200 East Washington St
Indianapolis, Indiana 46204
www.indy.gov
LORI RUSHIN, P.E.
PROJECT MANAGER


Related Project Experience:

IAA-I-12-018 – Pavement Rehabilitation New Indianapolis Airport, Indianapolis, IN
Design services included topographical survey data collection and pavement evaluation of perimeter roads at the New Indianapolis International Airport.

IAA-11-014 Federal Express Cargo Apron Expansion – Indianapolis, IN
Inspection services included reinforcing & concrete pavement testing services for Phase I as well as stormwater inspection services for Phase II.

BL-33-053A Southeastern/Raymond STEP Citizens Energy Group, Indianapolis, IN
Inspector for the construction of sanitary sewers ranging from 8” to 18” in diameter including the lateral installation for 372 homes.

CS-26-12B Pogues Run CSO 143 Basin Sewer Separation, Indianapolis, IN
Review of the installation of storm sewers to separate stormwater runoff from the combined sewers involving approximately 7,700 LF of storm sewer pipe, 12” to 54” in diameter, storm inlets, and water quality basin & bioswale to treat stormwater before discharging into Pogue’s Run.

SS-28-003 East Marion County Interceptor Manhole Rehabilitation, Indianapolis, IN
Inspector for the rehabilitation of manholes throughout Marion County including cement lining existing structures, providing new seals and leak testing.

INDOT R-30351 - Illinois St. Rehabilitation, Indianapolis, IN
Project involved the inspection of new installation of curbs, islands, sidewalks, handicap ramps coordinated with the Cultural Trail in downtown Indianapolis.

INDOT R-30159 - 10th & Shadeland Intersection Improvements, Indianapolis, IN
Project involved inspection for the new installation of curbs, ramps, driveways and new intersection light poles and traffic signals.

INDOT R-30926 Canal Road Bridge Rehabilitation Terre Haute, Indiana
Construction Engineering services included horizontal and vertical control including staking for the roadway as well as all structures and monuments.

INDOT RS-32856 ARRA Resurfacing-Franklin, Raymond & Southeastern, Indianapolis, IN
Inspection services for existing road reconstruction project included new asphalt overlay & handicap ramp installation.

BM-35-015 – Bridge Rehabilitation Prospect St. over Grassy Creek, Indianapolis, IN
Inspection services included review of concrete bridge deck overlay and erosion control measures.

Eilts Consulting Services
August 3, 2016

Precept Surveying LLC
Attention: James R. Gill
K&A Inland Dr.
Avon, IN 46123

Dear Mr. Gill:

The Office of Minority & Women Business Development has received your letter of identification as a Veteran Owned Business and has verified that your company is listed as a VetBiz Registry Vendor in:

NAICS Code: 541370.

Service: Land Surveying Services.

Your company’s name will be listed on the City of Indianapolis’ Vendor Directory as a Veteran Business Enterprise, (VBE). This identification is separate from the City of Indianapolis’ M/W/DOBE Certification Program.

This firm is hereby identified by the City of Indianapolis as a Veteran Business Enterprise, (VBE). This identification is issued pursuant to Executive Order No. 5 and Public Law 109-461 Section 8127 (g), per the Department of Veterans Affairs.

Your identification as a VBE is valid until July 14, 2018 and allows your firm to participate in the City of Indianapolis’ Veteran Business Enterprise (VBE) Procurement Program.

The VBE identification is for internal procurement purposes only and does not verify the firm’s work capability or capacity.

Please ensure that you are registered as vendor with the City of Indianapolis - Purchasing Division, Room 1522 City-County Building or call (317) 327-4900. Please log on to their website at, wwwindy.gov/purchasing for details to register.

Sincerely,

Fahad Beg
Contract Compliance Manager
M/W/V/DOBE Certification Program

A wealth of resources to master a common goal.
JAMES R. GILL  
8484 Inland Drive  
Avon, Indiana 46123  
317-286-2610

Objective:  
To utilize my experience, education, and training in a reputable and progressive business.

Experience:

01/09 - Present  
PRECEPT SURVEYING, LLC , Avon, Indiana  
317-286-2510  
Owner  
Topographical, Construction Staking and Construction Inspection  
Marketing  
Proposals  
Contracts  
Manpower Management  
Accounts Receivable/Payable

08/07 - Present  
Eilt’s Consulting Services, Greenwood, IN  
317-535-6174  
Part Time  
Project Surveyor  
Supervise Survey Operations  
Direct Field Crews  
Coordinate With Clients  
Verify Surveys

06/06 - 07/07  
Parsons, Cunningham and Shartle, Avon, IN  
317-837-9900  
Project Surveyor Assistant  
Topographical survey at Honda Plant, Greensburg, IN.  
Topographical survey DPW IP interplug Connector, Southport  
Topographical Survey Mars Hill, Indianapolis

License/Certification:

2008  
Land Surveyor in Training, Land Surveyor LS#20800121
2004  
INDOT Certified Technician Program

Education:

IUPUI, Indianapolis,  
IN 30 semester hours Surveying course work, 2002-2005

Eastern Illinois University, Charleston, IL  
Bachelor of Arts, Mathematics, 1989

Military:  
United States Army – 1973-1980
East 56th Street Pathway Project—Indianapolis, Indiana

**CLIENT**
City of Indianapolis  
Department of Public Works  
1200 Madison Ave.  
Indianapolis, IN 46208  
(317) 983-7450

**COMMONWEALTH PERSONNEL**
Roger M. Kottlowski, PE  
Theresa Boehmer, PE

**PROJECT HIGHLIGHTS**
- 1.7 Miles of 5-8 ft. Pathway  
- Residential Areas  
- Increased Safety for Local High School

**PROJECT DESCRIPTION**
This project will provide safe pedestrian access by students and local residents along East 56th Street from Emerson Way east to Brendon Way South Drive. It will consist of the construction of 1.7 miles of a new 5 to 8 foot wide pedestrian pathway along the south side of E. 56th Street. It will provide a pedestrian access to the Fall Creek Greenway Trail.

The pathway will cross over Fall Creek with a new, separate pedestrian bridge. The bridge will set on existing, extra-wide piers that are already in place. So, the new bridge can be pre-assembled and simply placed on the existing piers. From there, the pathway will run east to Cathedral High School where students will have access to the pathway. It will continue east along E. 56th Street to Arlington Avenue and then to Old Colony Road across from Brendon Way South Drive.

Some of the challenges siting the pathway was locating the route along a number of ravine areas located east of the Cathedral High School Entrance. The plan introduces boardwalk areas that will more aesthetically fit within the existing wooded, residential landscape. The area near the Fall Creek Bridge to Cathedral High School also contains some steep embankment areas that will require some retaining walls or boardwalk structures to support the pathway.
Speedway Separation/Stormwater—Speedway, Indiana

CLIENT
Town of Speedway
Mr. Norm Berry
1450 N. Lynhurst Dr.
Speedway, IN 46224
(317) 246-4111

COMMONWEALTH PERSONNEL
Roger M. Kottlowski, PE
Brian Desharnais, Ph.D., PE

PROJECT HIGHLIGHTS
- Sewer Separation
- Rain Gardens
- Bio-swales
- Pervious Surfaces
- Hydro Vortex Separators
- Permitting
- Public Outreach
- Operation and Maintenance
- Inspection Services

PROJECT DESCRIPTION
The Town of Speedway has implemented aggressive solutions to stormwater management and has taken the Green Flag in its race to solve drainage issues as well as being on the final stretch of significantly reducing combined sewer overflows. By Green we mean implementing green and sustainable solutions to manage storm water.

As part of the Town’s CSO Long Term Control Plan and the ongoing Stormwater Master Planning, Commonwealth designed and oversaw the construction of watershed components to reduce runoff and improve water quality while also beautifying Speedway’s historical sections. The new environs will fit into Speedway’s developing cultural and commerce initiative, The Speed Zone. Speedway’s Green Flag approach included several sustainable components to control storms of around 1 inch such as:

1. Use of rain gardens
2. Construction of Bio-swales
3. Use of pervious concrete gutters
4. Inclusions of permeable brick pavers along intersections
5. End of pipe treatment with vortex hydro separators for improvement of water quality

An integral part of the overall project approach was a GIS mapping system for all utilities managed by the Town.
SR 2 Curb and Sidewalk—Lowell, Indiana

**CLIENT**
Town of Lowell  
Jeff Sheridan  
Town Manager  
501 E. Main Street  
Lowell, IN 46356  
(219) 696-7794

**COMMONWEALTH PERSONNEL**  
Roger Kottlowski, P.E.

**PROJECT HIGHLIGHTS**
- 9,100 L.F. Curb
- 7,020 L.F. Sidewalk
- 52 land parcels
- 1.65 Acres to be acquired
- ADA curb ramps
- FHWA Group III funds utilized and administered through INDOT

**PROJECT DESCRIPTION**

The 0.9 mile long project provides safe pedestrian access along SR 2 (Commercial Ave.) from the National Register listed Lowell Commercial Historic District easterly to the existing commercial areas near Burr Street. The project also provides a safe means of connectivity to Evergreen Park and as well as the public library.

As part of this work, sections of existing deteriorated sidewalk and/or curb will be replaced, and new sidewalk and/or curb will be installed where none previously existed. This successful project required extensive coordination with INDOT and local governmental agencies.
Eagle Creek Shoreline Stabilization Project—Indianapolis, Indiana

CLIENT
City of Indianapolis
1200 Madison Ave., Ste. 200
Indianapolis IN 46208
(317) 983-7450

COMMONWEALTH PERSONNEL
Roger M. Kottlowski, PE

PROJECT HIGHLIGHTS
• Mitigated Steep Erosion Issues
• Utilized Landscaping for Erosion Control
• Aesthetically Pleasing

PROJECT DESCRIPTION
The Eagle Creek Shoreline Stabilization Project was developed as a result of two biennium high hazard dam inspections completed by Commonwealth Engineers in 2003 and 2006 for the City of Indianapolis. A very steep erosion was discovered within 16 feet of an active road known as Dandy Trail. The side slope was eroding down to the Eagle Creek Reservoir and was progressively moving slowly towards the road. Commonwealth was selected to provide construction inspection services for the reconstruction of 1,500 feet of this shoreline. The $1.28 million project called for laying the slope back to 3:1 where land was available to do so. But, the north half of the project was located in close proximity to Dandy Trail. To stabilize this segment, about 665 ft. x 15 ft. (10,000 SF) of reinforced soil wall was installed, and landscaping was placed for erosion control and aesthetics.
Melville Street Stormwater Infrastructure Project—Rensselaer, Indiana

CLIENT
City of Rensselaer
Mr. Stephen Wood, Mayor
124 S. Van Rensselaer St.
Rensselaer, Indiana 47978
(219) 866-7551

COMMONWEALTH PERSONNEL
Roger M. Kottlowski, PE

PROJECT HIGHLIGHTS
• Project Costs came in $47,000 under budget
• Good Contractor Communication
• Inspection Services

PROJECT DESCRIPTION
When this project was completed, it consisted of the design and construction of 5,550 ft. of 12” to 30” diameter storm sewers within the City of Rensselaer in the side street areas along Melville Street, as well as 3,360 ft. of street and private drive reconstruction within existing residential neighborhoods on the east side of the City of Rensselaer.

The project also included associated manholes, inlets, earthwork, final grading and seeding, erosion control, sidewalks, and pavement restoration.

A flap gate was installed at the outlet of this system on the existing headwall at the Iroquois River.

Commonwealth designed and assisted the City through all stages of the project. Services included design, bidding services, construction administration as well as construction inspection services for the project.