

Site-Lines

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PROJECT SPOTLIGHT:

MONTGOMERY COUNTY CORRECTIONAL FACILITY

The Montgomery County Correctional Facility houses male and female inmates who have been sentenced to prison terms, as well as those who are awaiting trial. Located on Eagleville Road in Lower Providence Township, the facility in recent years has faced challenges around the size of the inmate population.

According to Warden Julio M. Algarin, the ideal population for the Montgomery County Correctional Facility is 1,508 inmates. In April of this year, the Lansdale Reporter listed the population as approximately 1,650. However, that number is always in flux as inmates arrive and are released. In particular, DUI defendants have compounded the challenges when such individuals — as many as 30 to 55 at a time — report to the prison to serve their sentences on the weekends.

To help expand capacity and better meet the community's evolving needs, Montgomery County has secured federal funding and launched a massive expansion project. Carroll Engineering Corporation's (CEC) Collegeville office is playing a role in this important initiative.

The County is in the process of constructing two new facilities: a 13,000-square-foot administrative building to support work-release prisoners and DUI offenders, along with a 512-bed facility for minimum-security inmates.

As Al Vennettilli, Vice President and Manager of CEC's Collegeville office, explains, the administrative building will include a court, a judge's chambers and a visiting room, along with a booking area.

Working with architects from Hyland Associates, CEC



is handling all land development for the project, which was formally launched in December of last year.

“We’re designing the site plan, preparing for the permits and coordinating with the township,” Vennettilli explains, adding that CEC is also involved in negotiating for the equivalent dwelling units for the additional capacity needed for sewer discharge.

Construction is expected to begin in 2009.

For more information on CEC's Planning & Site Design services, visit www.carrollengineering.com. •

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From My Chair

Harry J. Barford, Jr., P.E.



When it comes to technology, change seems to be the only constant. Software packages are continually enhanced and upgraded.

Hardware keeps getting more powerful and more efficient. The network — now the backbone for virtually every organization — requires nearly constant maintenance and improvement. And yet, technology is only as good as the people who are using it.

At CEC, we understand the potential of technology, as well as the importance of keeping our people trained on how to best use it. Ultimately, this commitment empowers us to run more smoothly, efficiently and effectively — which translates into direct benefits for our clients.

On that note, I'd like to inform you about a current IT initiative: upgrading from Autodesk Autocad 2004 to AutoCAD Civil 3D version 2009. The new software package will help CEC engineers to perform land development work with greater efficiency and accuracy. But achieving those objectives is no small effort. For CEC, the costs associated with software upgrades, licensing, staff instruction and lost productivity total more than \$200,000.

Through the Bucks County Workforce Investment Board (BC-WIB), we secured an employee development grant to defray some of those costs. Designed to help businesses stay competitive by keeping employees well trained, these grants are available to companies that meet certain criteria, including low turnover rates.

For CEC, the BC-WIB grant is helping to reduce the financial impact of this major technology enhancement and the associated training requirements. On behalf of CEC, I would like to extend thanks to the BC-WIB for its support — and reiterate our corporate commitment to maximizing the benefits of this new tool for our clients. •

CEC Tackles Traffic Projects for Newtown Township

In January, Newtown Township selected CEC as township traffic engineer. Since then, CEC's Traffic & Transportation Department has been actively addressing Newtown's needs.

According to Andrew Brown, P.E., Traffic & Transportation Department Manager, CEC is working with Newtown Township on a number of initiatives:

- For the Swamp Road Improvement Project, CEC is coordinating with the Swamp Road Residents Group (SRRG) to find alternate improvements for the corridor that won't lead to increased speeds or a lengthy construction schedule. Brown says CEC is working with the Pennsylvania Department of Transportation (PennDOT) to provide maintenance work — including improved drainage, sight distances, warning signage and areas for police enforcement.



- On the Newtown Bypass at Buck Road, CEC is working to create a right-in, right-out access from the bypass to the Newtown Business Commons. The goal: to provide better truck and employee circulation to the industrial and office park.
- On the Newtown Bypass at Newtown-Yardley Road and at Lindenhurst Road, CEC is assisting with traffic signal upgrades and modernization. As part of this effort, the Township will eliminate strain wires and install pedestals and mast arms. As Brown explains, revised signal timings will help increase the efficiency of traffic flowing through the intersection. At Lindenhurst Road, the Township is also modifying the traffic signal to provide video detection for auxiliary turn lanes, helping to eliminate inductance loops.
- Finally, CEC is working with the Township and PennDOT to enact and enforce a restriction on engine brake retarders — commonly known as “Jake Brakes” — in Newtown. CEC is coordinating with PennDOT to provide traffic, safety and highway grade information as required.

For more information on CEC's Traffic & Transportation services, visit www.carrollengineering.com. •

CEC in Hillsborough: Achieving a Higher Standard

In every state, engineers who meet rigorous education, examination and experience requirements can qualify for a Professional Engineer (P.E.) license.

Although standards vary somewhat from state to state, the basic requirements are a degree from an accredited engineering program, successful completion of the Fundamentals of Engineering exam, four years of experience working under a P.E. and successful completion of the Principles and Practice of Engineering exam. At CEC, our team includes more than 40 Professional Engineers.

In New Jersey, Professional Engineers have an opportunity to receive additional training and certification as a Certified Municipal Engineer (CME). In CEC's Hillsborough, N.J., office, two engineers — Chief Engineer Bill Buzby and Project Manager Thomas Fik — have successfully earned this designation.



TOM FIK AND BILL BUZBY

As Vice President and Hillsborough Branch Manager Matthew Garber explains, this certification isn't mandatory, but it is usually a requirement when a town is searching for an

engineer. Just as important, it underscores individual and corporate commitment to the discipline of municipal engineering.

About the CME program

In 1987, the New Jersey Society of Municipal Engineers created the New Jersey Municipal Engineering Institute (NJMEI) to establish and run programs to meet the continuing education needs of Professional Engineers practicing municipal engineering.

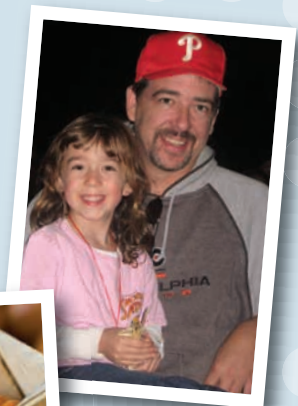
Today, the NJMEI's Certified Municipal Engineer (CME) program gives participants an education in the various technical and administrative areas that are encountered in the day-to-day practice of municipal engineering. The program includes a series of 10 seminars and workshops on a wide array of timely topics — including municipal budgeting, traffic engineering, roadway design, pavement management and more. Licensed Professional Engineers who successfully complete the program are awarded the CME certificate.

For more information about CEC's Municipal Engineering services, visit www.carrollengineering.com •

FYI from CEC

- **Software Training:** In September, the first group of 16 CEC staff completed the training for AutoCAD Civil 3D version 2009. The next group is scheduled to begin instruction in late October.
- **Summer Recycling:** Since early 2008, CEC has been participating in the AbitibiBowater Paper Retriever paper recycling program. Over the summer months, CEC recycled nearly 4.5 tons of paper. Proceeds benefit the Cradles to Crayons charitable organization.
- **Come See CEC:** Visit CEC at the Delaware Valley Association of School Board Officials Conference on October 31 at the Westover Country Club in Jeffersonville, Pa. Also, from November 18 to 20 we'll be at the 93rd New Jersey State League of Municipalities Conference in the Atlantic City Convention Center (Booth #1627).
- **New Employees:** Welcome to Timothy Bucher (Authority/Municipal Services Department), Marion Marella (Accounting) and Christopher Peterson (Planning & Site Design Department), as well as Steven Lidster, Harold Noon and Peter Toop (Hillsborough office).

- **Fall Fest at Winding Brook Farms:** On October 11, more than 50 CEC employees and their families (including Jessica and Marty Kepner, at right) had a "spooktacular" time participating in an entertaining hayride, haunted corn maze and seasonal bonfire.



CLIENT PROFILE: **NEWTOWN TOWNSHIP**

From time to time, CEC will profile one of the clients we serve. In this issue of Site-Lines, we're highlighting Newtown Township.

Newtown Township is a vibrant community in lower Bucks County, Pa. Newtown has a total area of 12 square miles, a population of over 18,200 people (as of the 2000 census), over 300 acres of parks and undeveloped open space, and over 70 miles of roadway.

Once a rural community, Newtown's farmlands are rapidly being replaced by homes. Even so, the Township's Board of Supervisors is committed to maintaining the colonial charm of this 300-year-old community. To that end, the Board has developed a Comprehensive Plan and a Historic District Classification.

To be sure, the Township has a long and rich history. It traces its roots to William Penn who, after purchasing 5,000 acres from the Lenni Lenape Indians in 1683, named the land my "New Town." That moniker gradually evolved to "Newtown Township."

Newtown served as County Seat of Bucks County from 1726 until 1813, when the Court moved to Doylestown. In 1838, the commercial center and a number of homes were incorporated into Newtown Borough. Today, the Township surrounds

Newtown Borough, and each maintains its own form of government.

CEC is proud of the work we're performing as 2008's township traffic engineer for Newtown Township. For more information, visit www.twp.newtown.pa.us. •



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