

Engineering Insights

Exceeding Engineering Expectations Today.....
to Achieve the Projects of Tomorrow

Volume 1, Issue 2

Summer, 2013

Did you know.....

Mote & Associates provides a variety of engineering and surveying services which include:

- Civil Engineering
- Building/Structural Design
- Surveying
- Agricultural Engineering
- Grant & Funding Consultation
- Construction Management



Village of New Bremen
Welcome Sign

Mote & Associates — Oldest Client — Village of New Bremen

The Village of New Bremen located in Auglaize County is the oldest continual client of Mote & Associates, Inc. over our 40-year history. Jerry McClannan recently conducted an interview with present Village Administrator, Wayne York (pictured right), and the following is an excerpt, a video of this testimony in its entirety can be found on our website at www.moteassociates.com:

Jerry: I am conducting an interview with Wayne York, who's the Village Administrator in New Bremen. Wayne, how long have you been Village Administrator?

Wayne: This time around approximately 8 ½ years.....summer 2005.

Jerry: Great! So I understand that you did serve here in the past?

Wayne: Yes, a very unusual work history. I actually was Village Administrator here from

1973 to 1975. Of course, I was a young kid at that time, and not very experienced in a lot of things dealing with people.

Jerry: So, that was early in your career. Mote & Associates just celebrated 40 years last year. I know we started working in New Bremen just prior to that time.

Wayne: Yes, in fact that was part of the reason I was hired. The elected folks in New Bremen wanted to establish a different method of doing things then they had in the past. So, they sought out a new consulting engineer and they also sought out a candidate for Village Administrator at the same time. So I started a matter of (continued on page 2)



ALERT: "Water Pollution Control Loan Fund" Deadline

The Ohio EPA has recently announced the nomination period for projects for Program Year 2014 funding through their Water Pollution Control Loan Fund (WPCLF) Program. This funding source provides low interest loans for improvements to wastewater treatment and collection systems, water resource restoration sponsor program projects, and home sewage treatment systems. This is the only opportunity to be placed on the list to receive funding in 2014. Contact Susan Schepis-Laux at sschepis-laux@moteassociates.com or 937-548-7511 for assistance in nominating your project before the deadline of **August 30, 2013**.

Meet Jerry McClannan — Owner/Principal Engineer

Jerry grew up on a dairy farm in northern Darke County. The demands of dairy farming instilled a strong work ethic in him from an early age. He graduated as Valedictorian of his class at Mississinawa Valley High School before obtaining his BS in Civil Engineering from Ohio Northern University. Upon graduation from ONU, Jerry returned to Darke County and began working at Mote-Garrison

and Associates. Jerry is a registered professional engineer in Ohio and Indiana as well as a registered professional surveyor in Ohio.

Jerry became a partner in the firm in 1999. He serves as Corporate President. He has been involved with all aspects of civil engineering and surveying during his career. He currently deals primarily with civil engineering projects

such as street improvements, storm water management, water and wastewater (continued on page 2)



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Miami-Erie Canal



Rotary Centennial Park



Lock One Canal

Village of New Bremen (continued from page 1)

months after Dick Mote was hired to begin work. Of course, he had just simply hung his slate out recently at that time. There was an interesting convergence of situations right then.

Jerry: What would you say is the most rewarding part of your job?

Wayne: Actually, the time here at New Bremen has been probably the most rewarding. For a town of 3,000 people, there are such unusual and interesting things that go on here. There has been a lot of prosperity because of Crown Equipment and their work force both at the office level as well as the manufacturing. Obviously, that creates a good income tax stream for the Village, so we are able to do things a lot of towns don't even get to dream about. For Crown, this is obviously their world headquarters, we have to do things that are on par and commensurate with having visitors from all over the world coming here every day. We have to do things at a higher level, not just bare survival. We are a town of 3,000 people and here we have a full time parks superintendent which you don't find very often. So it is very interesting, things that go on here and happen here and this is really a fun assignment.

Jerry: Sounds like it has been a wonderful opportunity for you. What is the best advice you think you have ever been given over your career as you think back?

Wayne: Well it works at a lot of levels. My work ethic is very simple. I try to be straightforward, honest, and fair. It gets too complicated if you try to tell one person one thing and another person something else. And eventually it is going to collide. Always been a very upfront open person, except when we're dealing with maybe real estate issues, every once in a while a personnel issue of some sort, those cards have to be held close to the vest for a time. Most other general dealings with the public, as well as anybody else, I just try to be straight forward and honest about things.

Jerry: And that seems to me to be great advice to pass on to someone else as well. Tell us about your experiences in working with Mote & Associates here in New Bremen.

Wayne: Well, I worked with the firm obviously in the mid-1970's and then here again in the last 8 1/2 years. I have always found the firm, and this goes beyond your watch to when Dick Mote was running the firm, I found it to be a source of good advice, good judgment, very few problems in construction. We obviously depend on consulting engineers for their knowledge and experience and dealing with similar projects in what we are dealing with. We count on that and we have had good results with Mote & Associates. (continued on page 4)

Meet Jerry McClannan (continued from page 1)

improvements, bike path design, sanitary and storm sewers, and subdivision layout. He works with several municipalities and has had the privilege of designing several bridges, as well as water and wastewater treatment facilities.

One of his most unique projects was the 'Lock One' structure recreated on the Miami-Erie Canal in New Bremen. The new structure was built to replicate and replace the

deteriorated lock structure building built in 1910. Funding for the project dictated that the locks must maintain their historic reverence. The original concrete structure was formed from odd-sized oak planks which were still evident in the wall faces after a life of nearly 100 years. Although the new structure utilized 'modern' construction forms, they were lined with oak planks to duplicate the original look of the locks. The

original wooden gates that controlled the height of water inside the locks were long gone in 2007 when the new construction took place. However, after some diligent research, replacement wooden gates were designed and constructed to model the original size and operation.

Jerry was very active in the Midwestern Chapter of the Ohio Society of Professional Engineers before it merged with the Dayton Chapter. While he served as president of the chapter, he initiated the chapter's local 'Mathcounts' competition for junior high students. He was also awarded 'Young Engineer of the Year' by the chapter.

Jerry and his wife Colleen live in Greenville. Colleen is a church administrative assistant. They have two children, Brett and Alisa. Brett lives in Columbus, Ohio and is employed at Rogue Fitness, a firm that provides strength & conditioning equipment. Alisa is a dental hygienist for Dr. Ron Dean in Greenville.

Some of Jerry's hobbies include

woodworking and landscaping. Some of his handy work is evident in the office. He developed the 'project wall' in the Conference Room. He also enjoys weight training, running and spending vacation time with family.

Jerry has served on the Darke County YMCA Board of Directors since 2006 and is currently chairman of the board. He has served on numerous committees and strives to help the YMCA be the best it can be!

Jerry and his family place a strong emphasis on their Christian faith. They have been very active in their church, serving on various committees, ushering, and teaching Sunday School. They currently attend EUM Church in Greenville.

Jerry enjoys getting to know his municipal clients and gains pleasure from helping them solve various infrastructure needs. He feels a deep sense of pride when a project comes to fruition and successfully fulfills the client's needs!

Jerry and his family on vacation.



UPCOMING FUNDING DEADLINES

Ohio Public Works Commission (Issue II)
Due: July-Sept. 2013
(Contact our office for your District's deadline)

Ohio EPA Water Pollution Control Loan Fund Nominations
Due: August 30, 2013

USDA Rural Development Open Cycle*

CDBG Residential Public Infrastructure Grant
Open Cycle*

ODOT Small City Grant
Due: January 2014

ODOT Transportation Alternative Grants
Due: January 2014

ODNR Trail Grants
Due: February 1, 2014

*Applications can be submitted at any time.

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“FUNDING FACTS UPDATE—Recreational Opportunity”

The Ohio Department of Natural Resources has offered the NatureWorks Parks & Recreation Grant for 20 years since the original Ohio Parks & Natural Resources Bond Issue was approved in November, 1993. As of 2013, over 1,300 applications have been funded for over \$63 million. Many communities have benefited from these grant dollars in developing new parks, making improvements to existing parks, and expanding recreational opportunities for residents.

This grant program provides up to 75% reimbursement to local governments for the acquisition, development, and rehabilitation of recreational areas. Each county within the State is allocated a share of the funds based on population.

The local entities submit applications to the State to compete for these available dollars.

A similar recreational program administered through the Ohio Department of Natural Resources is the Federal Land and Water Conservation Fund, which was enacted by Congress in 1964.

This grant program offers up to 50% reimbursement to local governments for the same types of projects as NatureWorks. Applications are submitted and compete on a Statewide basis. The maximum grant request for 2013 was \$70,000.

In 2013, both of these programs were revised to a biennial cycle. Therefore, unlike in past years, applications will not be accepted again until May 1, 2015. If state and

federal funding trends continue, approximately twice as much funding will be available for projects on an every other year cycle. It is hoped this change will allow for a cut in administrative costs and provide for larger scale projects.

This change does NOT affect the Recreational Trails or Clean Ohio Trails Fund programs. The application and award cycle for these programs will remain February 1st of each year.



Highlights of Funding Seminar held in February

Mote & Associates, Inc. hosted their annual educational seminar on February 26, 2013. This year's event was entitled “Show Me the Money” and focused on various funding sources for community projects.

The following speakers presented information on programs for their various agencies:

Ohio Development Services

Agency:

- * Michael Norton-Smith, Office of Community Development
- * Erin Hazelton, Office of Redevelopment

Ohio EPA:

- *Kevin Spurbeck & Jerry Rouch, Division of Financial & Environmental Assistance

Ohio Department of Transportation:

- *Lonnie Cain, District 7
- *Matt Parrill, District 7
- *Fred Vogel, Jobs & Commerce

USDA Rural Development

- *David Douglas, Community Programs

Ohio Public Works Commission:

- *Louis Agresta, District 11

During lunch, there were presentations made to two Greenville High School students who won the “Engineers Week Challenge” along with their teacher, Mr. Chris Sykes.

We also heard about a solar energy project completed at the Ansonia School facility to save on electric costs. In addition,

they have converted four buses to operate with compressed natural gas to save on fuel costs.

To complete the day, Susan Laux of Mote & Associates, Inc. gave some examples of current and completed projects that have used the funding programs described by the day's speakers.

The following door prizes were awarded to lucky individuals attending the seminar:

1st Place/Fire Proof Safe

2nd Place/Tickets to the Dayton Dragons

3rd Place/Gas Card

We would like to thank our speakers and everyone that attended. We hope it was an educational day for all !!

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Village of New Bremen (continued from page 2)

Jerry: That's a good testimony. One final questions, is there a particular project that really stands out in your mind as you look back over your career? Not necessarily just in New Bremen, but it could be in New Bremen?

Wayne: Two, and they both occurred here in New Bremen. The two that have probably been the most unusual, and interesting, the first one here in New Bremen was the old Rotary Centennial Park at the northwest corner of SR 66 and 274 that involved an old canal bed. I'd had employees telling me that whenever there were heavy rains it would become very squishy and there were concerns that we would actually have a wash out on the west side which would be against the Lock One Theater.....very alarming. Second off, while Mote & Associates was developing the plans to enclose that section, and we are talking less than 100 feet to close that section of the canal, you know yourself, Jerry brought this idea of using this rammed aggregate concrete which amounted to driving a steel casing in the ground vertically.....a number of them, augering out the contents, putting stone granular back fill in, compacting it, and then pulling the tube out. This was replicated dozens and dozens of times in that little 100 foot stretch. It functioned just like your firm predict-

ed, and it functions to this day. That was probably one of the most unusual and interesting projects. The other one in this category has to be the Lock One Reconstruction that we did in 2007. In New Bremen, we wanted to do something that was going to be historically as accurate as we could get, with at least a portion of the gates that would open and close as the original. This was a very interesting project. We were working around the old structure which was built in 1913....no correction 1910. We got down there and the concrete was so hard the contractor couldn't remove it. He said, "What are we doing breaking our heads against this concrete. Why don't we just attach our work on the top of it?" With the consultation of Mote & Associates, we figured out that was a great idea. If the concrete was that good and that stable, we run a risk if we remove that. We could be getting back into quick sand conditions and who knows what. We didn't have any test borings down there so we didn't know what we were going to get into, so we reused the original base section of the locks and did everything else from there.

Wayne: So that was a very interesting project from my standpoint and I wanted to make sure we had the historical accuracy that we could. Everything else your firm did, it turned out really great and we expect that's going to hold up for a long, long time. That's a point of pride. We've had folks come from other towns, Columbus and even elsewhere to take a look at what we've done here. The form boards we put in there turned out really great also! What we had here, and the contractor had some great ideas on this, we poured four different versions of putting form boards on the inside of a standard aluminum concrete wall form, we did a little test pour. Took a look at those and one of them was a home run and that is what we replicated here and it looks just like it would have if you had the forms built out of individual boards 4" or 6" high, random lengths, random widths, and we got that. It turned out really great and we are very pleased about that. Later on we added the lockkeeper's house. This completes the setting. And of course, keep in mind that the backdrop on all this is Crown Equipment's world headquarters and once again they have visitors from around the world here every day. We knew whatever we wanted to do, we wanted to do it right where it would be a source of pride to both the community and Crown when they have visitors in town.

Jerry: Thank you, Wayne. Those projects are very nice projects and I am very happy to say that we were a part of those. I often times talk about the lock project and what a unusual project that was for us as well.

Jerry: Well, thank you very much for taking some time to talk with me today, Wayne. We hope to continue to work with you for many more years!

Decorative border of sun icons surrounding a list of services: Civil Engineering, Building/Structural Design, Surveying, Agricultural Engineering, Grant & Funding Consultation, and Construction Management.