2015 Tentative Agenda

8:00 a.m.  Registration
8:30 a.m.  Class begins and Introductions
8:45 a.m.  Drainage law and Drainage areas
9:30 a.m.  Runoff & other factors affecting culvert sizing
10:00 a.m.  Break
10:15 a.m.  Common sense sizing of culvert replacements and when you need an engineer
10:45 a.m.  Culvert types and materials
11:45 a.m.  Lunch (provided)
12:30 p.m.  Installation, bedding, and backfill
1:15 p.m.  Causes of culvert failures
2:00 p.m.  Culvert rehabilitation and lining
2:30 p.m.  Break
2:45 p.m.  Environmental issues and permits
3:30 p.m.  Culvert management and inspection options
3:45 p.m.  Wrap up-Questions and Answers
4:00 p.m.  Workshop Concludes

Instructor: Norman Bowers, P.E., L.S. Local Road Engineer

Norm has spent almost his entire career in county road work. He worked for Marion County from 1972 to 1976. He was Coffey County Engineer from 1982 to 1987. He worked for Johnson County from 1987 to 2006, and was County Engineer in Johnson County for 10 years and retired in September 2006. Norm is a Registered Land Surveyor and Professional Engineer. He was President of the Kansas Society of Land Surveyors in 1981 and President of the Kansas County Highway Association in 2000 and 2002. Norm is currently working part time with the Kansas Association of Counties as Local Road Engineer.
About the Workshop: This one day workshop includes the basics on drainage and selecting, sizing, and installing culverts. Items covered will include drainage law in Kansas as it relates to back water and changing the natural drainage pattern, factors that affect the amount of runoff and the sizing of culverts, and using common sense in culvert sizing. Information will be provided on the types of culvert products available, including pros and cons of the various products, and proper installation techniques. Common causes of culvert failures will be discussed as well as culvert rehabilitation and lining. Work around streams is regulated by environmental agencies so environmental issues and permitting will also be discussed. Intended Audience: This workshop is designed for maintenance crews, foremen and supervisors who have responsibility for providing and maintaining smaller drainage facilities along rural roads and city streets. This includes county and city engineers and road supervisors, technicians and road crew members, township trustees and State staff who have drainage responsibilities. Elected officials are also welcome to attend.

2015 Dates and Locations:
March 3, 2015 - Oakley
Buffalo Bill Cultural Center
3083 US Hwy 83, Oakley, KS
March 4, 2015 - Great Bend
Highland Hotel
3017 10th Street, Great Bend, KS
March 5, 2015 - El Dorado
El Dorado Chop House
2525 W. Central, El Dorado, KS
March 6, 2015 - Lawrence
Holiday Inn and Convention Center
200 McDonald Drive, Lawrence, KS

Overnight Accommodations. Hotel reservations must be made by 200 McDonald Drive, Lawrence, KS 66045, fax your reservation to 785-864-3199, attention: Kristin, or register online at http://www.ksltap.org - go to the training calendar, click on the workshop you wish to attend.

Assistance for Participants with Disabilities/Special Dietary Requirements. The KU Transportation Center is committed to accommodating persons with disabilities and those with special dietary needs. Please call our office for assistance. Please register at least 10 days before the workshop you plan to attend.

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability, status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression and genetic information in the University’s programs and activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Director of the Office of Institutional Opportunity and Access, IOA@ku.edu, 1246 W. Campus Road, Room 153A, Lawrence, KS 66045, (785) 864-6414, 711 TTY.

Contact Kristin at kbkelly@ku.edu or (785) 864-2594 if you have any questions.

Registration: The registration fee is $75 and includes lunch, breaks, and workshop materials. To register, complete the registration form, attach the required fee (payable to the KU Transportation Center). You may mail in your registration to 1536 West 15th St, M2SEC, G520, Lawrence, KS 66045, fax your registration to 785-864-3199, attention: Kristin, or register online at http://www.ksltap.org - go to the training calendar, click on the workshop you wish to attend.

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Have you enrolled in the Kansas Roads Scholar Level I Technical Skills Certificate Program?

The Roads Scholar Program is a training and recognition program for county and city staff, promoting a skilled workforce for Kansas public works agencies through training. This course is one of ten that leads to a Roads Scholar Level I Technical Skills Certificate, recognizing your completion of the program.

A one-time application fee of $35 (see registration form) will enroll you in the Roads Scholar Technical Skills Program, and your participation in this class will be counted towards completion.

More complete program information can be found online at http://www.ksroadscholar.org