

**ACEC/MDOT Design Basic Training  
August 7, 2019  
8:30 a.m. – 4:30 p.m.  
Horatio S. Earle Learning Center  
Lake Michigan Room**

***Hydraulics with Erik Carlson and the Hydraulics Unit***

**AGENDA**

Erik Carlson is the manager of the Hydraulics Unit at MDOT. Both he and the Hydraulic Unit will be conducting this training. Topics to be covered include: *Drainage Design; Hydrologic Design; Working with County Drains;* and *Culvert Designs*. MDOT is now using *Geopak Drainage* for storm sewer, so there will be highlights of this program at the beginning of the class.

8:30 – 10:30	Introduction, Drainage Design Criteria, Drainage Manual, Project Examples, and Culvert Rehabilitation Options. Maintaining Traffic and Bypass Pumping will also be discussed (Erik Carlson)
10:30 – 10:45	----15 minute break----
10:45 – 12:15	Hydrologic Design, with example classroom design problem (Erik Carlson/Justin Logsdon)
12:15 – 12:45	----30 minute lunch (catered)----
12:45 – 1:15	Working with County Drains (James Davis)
1:15 – 2:45	Culvert Design (Liz McCann/Ron McKee)
2:45 – 3:00	----15 minute break----
3:00 – 4:30	Culvert design example (Liz McCann/Ron McKee)