



MDOT/ACEC Design Basic Training:

Hydraulics

July 19, 2022

8:30 a.m. – 4:35 p.m.

Virtual, via Teams

Erik Carlson is the manager of the Hydraulics Unit at MDOT. In addition to Erik, this training will be conducted by James Davis, from the MDOT Bureau of Development's Hydraulics Unit, and Chris Potvin, Stormwater Program Manager.

AGENDA

8:30 – 8:35	Introduction
8:35 – 9:30	Drainage Design Criteria, Drainage Manual, and Future Updates (Erik Carlson)
9:30 – 10:00	Stormwater Program Overview (Chris Potvin)
10:00 – 10:15	▶ 15 minute break ◀
10:15 – 12:15	Hydrologic Design, with example classroom design problem (Erik Carlson)
12:15 – 12:45	▶ 30 minute lunch ◀
12:45 – 1:15	Working with County Drains (James Davis)
1:15 – 2:45	Culvert Design (Erik Carlson)
2:45 – 3:00	▶ 15 minute break ◀
3:00 – 4:35	Culvert design example CEH Total: 8.4 for A.M. and P.M. Sessions

Helpful Links:

[Hydraulics Survey](#)

[Design Basic Training Wiki Page](#)

Contact email: MDOT-DesignBasicTraining@michigan.gov

[Hydraulics Training - AM Session](#)

[Hydraulics Training - PM Session](#)

The CEHs are being listed as a guide and the Michigan Department of Transportation (MDOT) is not awarding CEH's.

Please note that a final determination on what qualifies as a CEH credit ultimately lies between the license holder and the Michigan Department of Licensing and Regulatory Affairs (LARA).