



AASHTO TC3 Earthwork Series

Self-paced, web-based training

The Earthwork Series is a five-part, all-encompassing series that trains agency staff and inspectors who are involved in earthwork during construction projects. The training provides intermediate and advanced principles related to earthwork tools, techniques, and responsibilities. The five modules in the series are:

1. Earth materials as engineering materials
2. Site preparation
3. Grades and grading
4. Excavation
5. Fill placement

[MODULE DETAILS](#)

Registration*

No cost to attend

Register at <http://ctt.nonprofitsoapbox.com/2020michiganltap-tc3-earthwork>

Questions? E-mail ctt@mtu.edu

**After registering, the Center for Technology & Training will send you an e-mail with your free access code for this training. Participants can earn up to 13 professional development hours for participating in this series. After completing this series, participants will receive a certificate of completion from AASHTO TC3.*

The AASHTO TC3 training catalogue is now available to Michigan local agencies for *free*! TC3 trainings are high-quality, self-paced, web-based modules that cost \$75 to \$450 per person. A national agreement with LTAP centers makes these modules available for *free* to Michigan local agencies. Classes range from 30-minute sessions to multi-part series and can count toward professional development hours.

Visit ctt.mtu.edu/training for more opportunities



Michigan's
Local Technical
Assistance Program





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Module Descriptions

1. Earth materials as engineering materials
Overviews basic properties of earth materials or soils and their engineering characteristics as they relate to construction.
2. Site preparation
Covers the soil excavation equipment, procedures, and requirements; and covers clearing, grubbing, backfilling, fill compaction. Also addresses special considerations like utility conflicts, inspector documentation responsibilities, common problems, and safety concerns.
3. Grades and grading
Overviews plan sheets for earthwork and earthwork quantities as well as typical grade stakes used during a project and their meanings. Also discusses the history of using global-positioning systems (GPS) in construction.
4. Excavation
Outlines the procedures, requirements, and special considerations for mass excavation, permanent cut slopes, and temporary trench excavations. Has a special focus on common problems and safety concerns associated with excavation.
5. Fill placement
Covers culvert bedding and backfill, drainage filters and fabrics, embankment construction, key-ways, and benching.

[SERIES DETAILS](#)

