



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

March 17, 2022

MATERIALS BULLETIN NO. 22-02

DCE MEMORANDUM NO. 22-06

(FHWA Approved: March 17, 2022)

**TO: DISTRICT MATERIALS AND RESEARCH ENGINEERS
DISTRICT CONSTRUCTION ENGINEERS**

FROM: Timothy J. Ruelke, P.E., Director, Office of Materials
Dan Hurtado P.E., Chief Engineer

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Timothy J Ruelke
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Dan Hurtado
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COPIES: Will Watts, Ananth Prasad (FTBA), Mark Musselman (ACAF), Mark Clasgens (FHWA)

SUBJECT: MAC EARTHWORK RECORDS SYSTEM (ERS) IMPLEMENTATION

This memo is in reference to the ongoing implementation of the ERS system in MAC. The following FDOT Specification Sections have been updated and approved to implement the use of the electronic ERS in MAC and eliminate paper logbooks on contracts let on or after October 1st 2021.

- Section 105 – Contractor Quality Control Requirements
- Section 120 – Embankment and Excavation
- Section 125 – Excavation for Pipes and Structures
- Section 145 – Geosynthetic Reinforcement
- Section 160 – Stabilizing
- Section 200 – Rock Base
- Section 548 – Retaining Wall Systems

The Specification requires direct data entry into MAC for ERS tests. The only exceptions are contracts deemed remote contracts by the District Materials and Research Engineer and temporarily when the application is unavailable due to instances such as server or network issues. The purpose of the Department implementing MAC ERS is to eliminate the need to generate, review and maintain paper logbooks. For remote contracts and temporary outages, the documentation must be performed on MAC specific pages of the Quality Control Earthwork Records System forms (Form No. 675-020-27) and Verification Earthwork Records System Forms (Form No. 675-020-28). The data from these forms must be subsequently entered into MAC ERS within 24 hrs. The forms must be uploaded into MAC on the ERS Project.

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Projects let before September 30, 2021, will not be assigned the corresponding MAC Specs to implement the electronic ERS. Those projects may continue to use the current paper logbooks until those projects are complete. Contractors for those projects will not be required to convert any paper logbooks to an ERS project in MAC. Contractors who have not yet begun a paper logbook on projects let before September 30th, who wish to use MAC ERS instead of a paper logbook may do so by contacting the appropriate District Materials and Research Office Earthwork personnel. No Change Order needs to be processed as the Specifications are already part of the contract.

The District Materials and Research Offices have begun training quality control and project personnel for projects let after October 1, 2022, with priority being given to projects that are beginning earthwork operations. Training is being provided for impacted users in the following subject areas:

- Company Profile Managers Company Gauge Maintenance
- QC Data Entry Plot Creation and Maintenance
- QC and VT Data Entry Project Gauge Maintenance and Sample Entry
- Project Administrator Plot Review and Sample Life Cycle Closeout

If you have a contract let on or after October 1, 2021, and have not yet been contacted regarding ERS training, please contact the appropriate District Materials and Research Office Earthwork personnel.

Should you have any questions, please contact Dino Jameson, State Materials Office at 352-955-2933 or Susan Musselman, State Materials Office at 352-955-6669.

TR/DH/sm