

Specification Section 105

Subarticle 105-8

ORIGINATION

Date: 6-2-2025

Name: Rodrigo Herrera

Email: Rodrigo.Herrera@dot.state.fl.us

COMMENTARY

The update was implemented to list the requirements for the Senior Geotechnical Technician for Pile Foundations.

INTERNAL COMMENTS AND RESPONSES

(Please note all comments and responses are verbatim as received. The Specifications Office does not alter typos or grammar.)

BLACK = Comment **BLUE** = Specifications Response **GREEN** = Change Made to Specification

Name: Rob Cables

Date: 6-25-2025

COMMENT: I would recommend clarifying the expectations for the Senior Geotechnical Technician during remote monitoring operations. The way it's worded now it could be interpreted that the technician could set up the equipment and leave.

I would recommend clarifying the use of a Senior Geotechnical Technician "in lieu of" a DTO or DTE. Later in the paragraph it indicates the Senior Geotechnical Technician cannot work independently of the DTO or DTE. These statements are contradictory.

RESPONSE: Note that the requirement for the Senior Geotechnical Technician to remain on site for the duration of the drive is specified in the recently implemented Section 455-5.14.1, which states: "If the remote connection is lost between the Senior Geotechnical Technician and the DTO or DTE during dynamic load testing, the Senior Geotechnical Technician shall stop the pile driving operation until a stable connection can be established." That language requires the technician to be on site for the entire drive.

Regarding the second comment, the referenced sentence states that the role of the Technician is to assist, not to take over. A subsequent sentence makes this unambiguously clear by stating "The Senior Geotechnical Technician cannot work independently of the DTO or DTE to collect dynamic load testing data."

The comments offered are appreciated, please feel free to reach out to me to discuss them if necessary.

ACTION TAKEN: No action required.

Specification Section 105

Subarticle 105-8

ORIGINATION

Date: 6-2-2025

Name: Rodrigo Herrera

Email: Rodrigo.Herrera@dot.state.fl.us

COMMENTARY

The update was implemented to list the requirements for the Senior Geotechnical Technician for Pile Foundations.

INDUSTRY COMMENTS AND RESPONSES

(Please note all comments and responses are verbatim as received. The Specifications Office does not alter typos or grammar.)

BLACK = Comment **BLUE** = Specifications Response **GREEN** = Change Made to Specification

Name: Keith Waugh

Email Address: kwaugh@lewarecc.com

Date: 7-28-25

COMMENT: 105-8.13 Delete "inspection of the construction activities" 105-8.13.4 Delete "and inspection" 105-8.13.4 5 Replace "Inspectors" with "Technicians"

RESPONSE:

105-8.13: Change implemented.

105-8.13.4: Change implemented.

105-8.13.5: Change implemented.

ACTION TAKEN:

105-8.13: The Specification was updated accordingly.

105-8.13.4: The Specification was updated accordingly.

105-8.13.5: The Specification was updated accordingly.

Name: Christopher Lewis, P.E.

Email Address: clewis@foundations.cc

Date: 8-4-25

COMMENT: The Senior Engineering Technician for remote monitoring should not be required to have a Basic PDCA ranking. Nor should the remote technician be required to be a senior technician. Industry has been successfully remote monitoring for over a decade without these requirements. Simply put, industry does not have the people to handle the amount of work that is now required for the 100% PDA requirement. I agree the remote monitoring technician should be CTQP qualified and that is enough. For non-engineers learning the skill set to obtain a basic certification can take more than 5 years.

RESPONSE:

Internal discussions have led the Department to revise the requirements of the original text. In addition to CTQP-qualification, the technician shall have at least 15 piles of training by the DTO or DTE, and a signed qualification statement by the DTO or DTE shall be provided in the Pile Installation Plan.

ACTION TAKEN:

Revisions were made to Section 105-8.13.4.