

1080201 MONITOR EXISTING STRUCTURES
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Arthur Berger
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Comments: (Internal, 9-10-18)

right of way should be right-of-way in 2 places.

Response: Agree. Changes made.

Ananth Prasad
(850) 942-1401 ext 5

Comments: (Internal, 9-11-18)

In addition to the changes in the document, see below:

Upon either detecting movement greater than 0.01 feet or damage to the structure, immediately stop the construction operations affecting the structure, backfill any open excavations, notify the Engineer and submit a corrective action plan for acceptance by the Engineer. Submit settlement monitoring records to the Engineer on a weekly basis.

Response: Agree. Change made. See also response to comment from Dan Hurtado to the same sub-article later.

Paul Hiers
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(850) 414-4324

Comments: (Internal, 9-26-18)

→ → **108-2.1.4 Inspection and Documentation Requirements:** Inspect and document the condition of the existing structures and all existing cracks with descriptions and pictures using a qualified Specialty Engineer. ~~Submit~~Prepare two reports, signed and sealed by the Specialty Engineer, documenting the condition of the structures. ~~Submit~~one report before beginning the construction operations that may affect the existing structures such as but not limited to foundation construction, excavations, vibratory compaction, dewatering and retaining wall construction, ~~and~~Submit the a second report documenting the condition of the structures after the construction operations are complete. ~~after completing such construction operations.~~ Include in the reports the Specialty Engineer's assessment of any damage present, and in the event of damage, the Specialty Engineer's assessment of whether the observed damage is the result of the construction operations. Submit both reports to the Engineer. Inspecting and documenting the condition of bridges, sign, signal, lighting and ITS structures owned by the Department is not required except when shown in the Contract Documents.¶
→ → The Department will make the necessary arrangements to provide right of way entry to the existing structures.¶

HP

Hiers, Paul

This is written as if two 8.5x11 paper copies will be provided when practice is to submit a digitally signed and sealed PDF.

Response: A: Section 4-1 explains that every time the specs call for submission of documentation is means electronically and digitally signed. No change made.

Paul Hiers
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(850) 414-4324

Comments: (Internal, 9-26-18)

→ → **108-2.1.5 Settlement Surveying and Monitoring Requirements:** Obtain the Engineer's approval for the number and location of monitoring points. Survey and monitor the settlement of structures, recording elevations to 0.001 foot.¶

- → → 1. before beginning construction¶
- → → 2. daily, during the driving of any casings, piling, or sheeting,¶
- → → 3. daily, during compaction¶
- → → 4. daily, during foundation drilling¶
- → → 5. weekly, for two weeks after stopping pile driving¶
- → → 6. during excavation¶
- → → 7. during blasting¶
- → → 8. or, as directed by the Engineer¶

→ → Upon either detecting movement of 0.005 feet or damage to the structure, immediately stop the construction operations affecting the structure, backfill any open excavations, notify the Engineer and submit a corrective action plan for acceptance by the Engineer. Submit settlement monitoring records to the Engineer on a weekly basis.¶

HP Hiers, Paul
PDF-format?¶

Response: A: No need to specify the format. It will be OK if a excel spreadsheet (very common) or word document is submitted as well. No change made.

Dan Hurtado
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(850) 414-4130

Comments: (Internal, 10-2-18)

→ → **108-2.1.5 Settlement Surveying and Monitoring Requirements:** Obtain the Engineer's approval for the number and location of monitoring points. Survey and monitor the settlement of structures, providing +/- 0.005 foot accuracy, recording elevations to 0.001 foot.¶

- → → 1. before beginning construction¶
- → → 2. daily, during the driving of any casings, piling, or sheeting,¶
- → → 3. daily, during compaction¶
- → → 4. daily, during foundation drilling¶
- → → 5. weekly, for two weeks after stopping pile driving¶
- → → 6. during excavation¶
- → → 7. during blasting¶
- → → 8. or, as directed by the Engineer¶

→ → Upon either detecting movement of 0.0105 feet or damage to the structure, immediately stop the construction operations affecting the structure, backfill any open excavations, notify the Engineer and submit a corrective action plan for acceptance by the Engineer. Submit settlement monitoring records to the Engineer on a weekly basis.¶

Hurtado, Dan
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Hurtado, Dan
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Response: Change has been made.

Dan Hurtado
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(850) 414-4130

Comments: (Industry, 10-5-18)

Need to strike the word "qualified" from the before the term "Specialty Engineer" in 108-2.1.4 and from 108-2.2. Specialty Engineer qualifications are addressed in Article 1-3. Using the term "qualified" here could cause confusion.

Response: Agree. Changes made.

Ananth Prasad
(850) 942-1401 ext 5

Comments: (Industry, 10-10-18)

108-2.2 ... Delete "employ a qualified Specialty Engineer to"

Response: After several internal discussions, it was decided to keep the Specialty Engineer requirement. No change made, except that the word "qualified" was deleted in accordance with the previous comment.

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Dan Hurtado
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Comments: (After Industry review)

Need to clarify the requirement clarifying the responsibility of the Specialty Engineer regarding installation of the monitoring system vs performing the continuous monitoring.

Response: Agreed. Change had been made.