

Superseded By EI 14-021 Effective 1/8/15		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 11-015								
Title: §107-05 SAFETY AND HEALTH REGULATIONS											
Target Audience: <table border="0"> <tr> <td>☐ Manufacturers (18)</td> <td>☐ Surveyors (33)</td> </tr> <tr> <td>☒ Local Govt. (31)</td> <td>☒ Consultants (34)</td> </tr> <tr> <td>☒ Agencies (32)</td> <td>☒ Contractors (39)</td> </tr> <tr> <td></td> <td>☐ _____ ()</td> </tr> </table>		☐ Manufacturers (18)	☐ Surveyors (33)	☒ Local Govt. (31)	☒ Consultants (34)	☒ Agencies (32)	☒ Contractors (39)		☐ _____ ()	Approved: _____ <i>09-16-2011</i> <i>Anthony Torre</i> Anthony Torre, P.E. Date Acting Deputy Chief Engineer (Research)	
☐ Manufacturers (18)	☐ Surveyors (33)										
☒ Local Govt. (31)	☒ Consultants (34)										
☒ Agencies (32)	☒ Contractors (39)										
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ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of January 12, 2012.
- This EI does not supersede any other issuance.
- The revisions issued with this EI will be incorporated into the next update of the Standard Specifications.

PURPOSE: The purpose of this EI is to revise §107-05 Safety and Health Regulations, paragraph *N. Drilling and Blasting*.

TECHNICAL INFORMATION:

- The Department of Labor has implemented new regulations for the certification of blasters, pyrotechnicians, and crane and laser operators as issued under 12 NYCRR 61.
- A revision to Geotechnical Engineering Manual (GEM-22) *Procedures for Blasting* is being issued concurrently via EB 11-032.

IMPLEMENTATION:

- The Main Office Design Quality Assurance Bureau will insert these standard specification revisions into contract proposals beginning with projects submitted for the letting of January 12, 2012.

TRANSMITTED MATERIALS: This EI transmits the revision to Standard Specification §107-05 Safety and Health Regulations, paragraph *N. Drilling and Blasting*. The revision is the same for both US Customary and metric Standard Specifications.

BACKGROUND: The NYS Department of Labor's Division of Safety and Health (DOSH) is one of two Divisions within the Worker Protection Bureau. The DOSH oversees ten separate Programs and includes a Licensing and Certification Unit, all of which provides safety and health information and assistance to employers and employees. Additional information is available at the DOSH website at:
http://www.labor.ny.gov/workerprotection/safetyhealth/DOSH_INDEX.shtml

CONTACT: Questions or comments regarding this issuance should be directed to Randall J. Romer, P.E., of the Geotechnical Engineering Bureau at (518) 457-4714, or via e-mail at rromer@dot.state.ny.us. Questions or comments regarding the technical aspects of the revision to the Standard Specification should be directed to Matt Balmer, of the Geotechnical Engineering Bureau at (518) 457-4726, mbalmer@dot.state.ny.us

§107-05 SAFETY AND HEALTH REGULATIONS

Make the following changes to the Standard Specifications dated May 4, 2006 and May 1, 2008:

§107-05 Safety and Health Regulations **Delete** paragraph *N. Drilling and Blasting* entirely and **Replace** it with the following:

N. Drilling and Blasting. Blasting shall be performed in accordance with the Department publication entitled *Procedures for Blasting*. This publication is available upon request from the Regional Director or the Director, Geotechnical Engineering Bureau.

The Contractor shall submit a written Blast Plan in accordance with *Procedures for Blasting* for approval by the Department a minimum of 10 work days prior to start of blasting operations. A preblast meeting relative to the method, manner and procedure of blasting operations shall be held with the Engineer, the Contractor, the Blaster, a Departmental Engineering Geologist and representatives of all interested agencies prior to the commencement of drilling and blasting operations.

Whenever explosives are used, they shall be of such character and strength and in such amounts as permitted by state and local laws and ordinances and all agencies having jurisdiction over them. The Department reserves the right to specify the maximum size of the charges. Blasting shall be done only when the Engineer and those agencies shall approve and under such restrictions as they may impose.

If a blast causes injury, damage to property, adverse affects upon traffic, or causes gases to migrate and/or accumulate in a potentially harmful manner, all blasting operations shall cease by order of the Engineer for a review of the procedures. The review will be conducted by the Engineer in conjunction with an Engineering Geologist to ensure that proper procedures and practices were used to determine if the approved procedures need to be revised. Should the findings of the review indicate the injury, damage, traffic delay, or migration/accumulation of gases was attributed to improper blasting operations, the blaster of record may be removed at the Department's option.

The Contractor shall meet all the requirements of 12 NYCRR 23, 12 NYCRR 39, and 12 NYCRR 61, which include but are not limited to the licensing for ownership, possession, transportation, or use of explosives, certifications for blasters, and provisions for storage, construction and maintenance of magazines.