
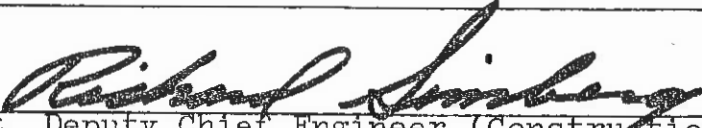


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TO: Director, Preliminary Plan Review Bureau SUPERSEDED BY EI 78-031 EFFECTIVE 6/9/1978	 ENGINEERING INSTRUCTION NEW YORK STATE DEPARTMENT OF TRANSPORTATION SUBJECT: GUIDE TO FREQUENCIES, JOB CONTROL SAMPLING & TESTING, EARTHWORK ITEMS Subject Code: 7.27-1-Sects. 8b & 9
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special APPROVED:  Asst. Deputy Chief Engineer (Construction)	Code: <u>EI-72-55</u> Date: <u>5/30/72</u> Supersedes: NONE

1. Included herein is the guide to the frequency of sampling and testing of various earthwork items for job control purposes prepared by the Soil Mechanics Bureau. Frequencies used on projects should conform, in general, with the frequencies indicated; however, rigid conformity on all projects at all times is not expected. The frequency may vary for individual projects or phases of projects in accordance with prevailing job conditions such as uniformity of materials at source, the methods and equipment used, weather conditions, competency and cooperation of contractor, etc. However, the number of samples and the distribution of the locations from which they are taken should be such as to adequately assure and verify that the materials incorporated into the work and the resulting construction are acceptable in accordance with the plans and specifications.

2. Reliance should not be placed entirely on the results of sampling and testing in determining the acceptability of the materials and work. No reasonable frequency of sampling and testing can assure such acceptability. Therefore, the sampling and testing shall be augmented and coordinated by adequate visual inspection not only to assure that the methods and equipment used are in accordance with the specifications, but also to assure that the samples and tests are reasonably representative of the entire mass of materials and the construction operations are producing uniformly satisfactory results.

Therefore, it is expected that on sizeable projects, inspection personnel will continually observe all earthwork operations at all times and that the sampling and testing will be done by other personnel; such that it is not necessary for earthwork inspectors to leave the scene of the operation to perform a test.

FREQUENCY TABLE ON OTHER SIDE

PREL.	FINAL
PHOTOGRAM.	LANDSCAPE
RECEIVED FACILITIES DESIGN DIVISION	
JUN 2 1972	
MALCOLM D. C. [unclear]	
CIRC.	
FILE	DISCARD

GUIDE TO FREQUENCY OF JOB CONTROL SAMPLING
AND TESTING

<u>Item No.</u>	<u>Frequency, Compaction</u>	<u>Frequency, Gradation</u>
2 & 2B	One/day/fill or One/10,000 cys.*	NR
2 EC	Ditto	One/day/source or One/5000 cys.*
2 EF-B	One/day/culvert, pipe abutment, wall, etc. or One/500 cys.*	One/day/source or One/500 cys.*
2 SP	NR	One/day/source or One/5000 cys.*
2 UF	NR	See SCP-1
2 VJD	One/day/abutment, pier, wall, etc. or One/500 cys.*	One/day/source or One/1000 cys.*
3	NR	2/day/source or One/1500 cys.*
4	NR	See SCP-1
5B & 5T	One/day/trench, abutment, pier or wall or one/500 cys.*	NR

* = Whichever results in the greater frequency.
NR = Not required.