
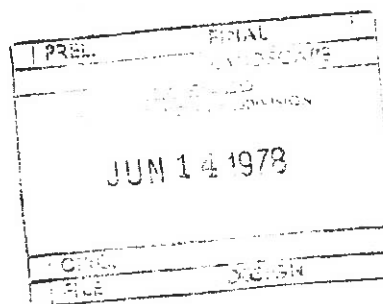


TO:  Director, Preliminary Plan Review Bureau	<h1>ENGINEERING INSTRUCTION</h1> <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p>
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 78-31</u> Date: <u>6/9/78</u>
APPROVED:   <hr/> ASSISTANT DEPUTY CHIEF ENGINEER, CONSTRUCTION	Supersedes:  EI 72-55

1. Included herein is a guide prepared by the Soil Mechanics Bureau for the frequency of sampling and testing of various earthwork items for job control purposes. The number of samples and tests, as well as 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. 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 satisfactory results. It is expected that inspection personnel on major earthwork projects will continuously 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 during operations to perform a test.



GUIDE TO FREQUENCY OF JOB CONTROL SAMPLING AND TESTING

<u>ITEM NO.</u>	<u>FREQUENCY, COMPACTION</u>	<u>FREQUENCY, GRADATION</u>
Embankment Construction Material	One/day/fill or One/10,000 cys.*	NR
Select Granular Items	"	One/day/source or One/5,000 cys.*
Granular Pipe Backfill Items	One/day/culvert, pipe, abutment, wall, etc. or One/500 cys.*	One/day/source or One/500 cys.*
Slope Protection Material	NR	One/day/source or One/5,000 cys.*
Underdrain Filter Material	NR	See SCP
Structure Backfill	One/day/abutment, pier, wall, etc. or One/500 cys.*	One/day/source or One/1,000 cys.*
Base Course (Non-Stockpiled)	NR	SCP or 2/day/source or One/1,500 cys.*
Subbase Course (Stockpiled)	NR	See SCP
Trench & Culvert and Structure Excavation Backfill (Material excavated under these items)	One/day/trench, abutment, pier or wall or One/500 cys.*	NR

\* = Whichever results in the greater frequency

NR = Not Required