
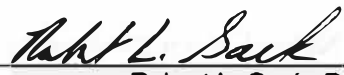


SUPERSEDED BY EB 23-024 EFFECTIVE 8/3/23		<i>New York State</i> <i>Department of</i> <i>Transportation</i> ENGINEERING INSTRUCTION	EI 10-014
Title: SPECIAL SPECIFICATION FOR SUBBASE COURSE, TYPE 1011-2			
Distribution: <input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Agencies (32) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ()	Approved:  <hr/> Robert L. Sack, P.E. Deputy Chief Engineer (Research) 5 MAY 10 Date 		

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of January 6, 2011.
- This EI supersedes EI 95-045.
- The information transmitted by this issuance will reside in the Special Specifications directory of the Toolbox Server.

PURPOSE: The purpose of this EI is to issue a revised special specification for Subbase Course, Type 1011-2.

TECHNICAL INFORMATION:

• The special specification was revised to clarify the intent. The existing special specification listed requirements for natural material and Reclaimed Asphalt Pavement (RAP), which some interpreted as the only material that was acceptable. The intent of the special specification was to allow the use of all types of material as listed in the Standard Specification, which includes both natural and recycled materials. However, when natural material obtained from sources located in Long Island or Staten Island, an alternate subbase mix design is provided as a substitution for the gradation listed in Table 733-04A.

The special specification was also revised to eliminate the conditions imposed for RAP, which are now part of the Standard Specifications.

- **General Use:** The subbase special specification maintains its status of being approved for general use.

TRANSMITTED MATERIALS:

Attached are the following revised Metric and US Customary special specifications:

Metric:

Item 304.10119917: Subbase Course, Type 1011-2.

US Customary:

Item 304.10119917: Subbase Course, Type 1011-2.

BACKGROUND: This special specification was created to provide an appropriate subbase mix design for natural material from Long Island or Staten Island. The mix design produces a material that provides drainage, to extend the life of the roadway system, and stiffness characteristics, to support the traffic under cyclic loading.

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, rromer@dot.state.ny.us. Questions or comments regarding the technical aspects of the special specification should be directed to Jeff Moryl, P.E., of the Geotechnical Engineering Bureau at (518) 457-4722, jmoryl@dot.state.ny.us.

ITEM 304.10119917: SUBBASE COURSE, TYPE 1011-2

All of the requirements of Section 304 *Subbase Course* shall apply except as herein modified:

MATERIALS

Material shall conform to the requirements of §733-04 *Subbase Course* with the addition of the following requirement:

Natural Material. Natural material obtained from sources located in Richmond, Kings, Queens, Nassau and Suffolk Counties shall conform to the following gradation:

Sieve Size Designation	Percentage Passing by Weight
50 mm	100
25 mm	80-100
6.3 mm	50-85
2.0 mm	30-70
425 µm	15-40
75 µm	6-12

Natural material obtained from sources other than those listed above shall conform to the gradation requirements of Table 733-04A *Subbase Gradation* in §733-04B. *Gradation*.

BASIS OF PAYMENT

Payment will be made under:

Item No.	Item	Pay Unit
304.10119917	Subbase Course, Type 1011-2	Cubic Meter

ITEM 304.10119917: SUBBASE COURSE, TYPE 1011-2

All of the requirements of Section 304 *Subbase Course* shall apply except as herein modified:

MATERIALS

Material shall conform to the requirements of §733-04 *Subbase Course* with the addition of the following requirement:

Natural Material. Natural material obtained from sources located in Richmond, Kings, Queens, Nassau and Suffolk Counties shall conform to the following gradation:

Sieve Size Designation	Percentage Passing by Weight
2 in.	100
1 in.	80-100
¼ in.	50-85
No. 10	30-70
No. 40	15-40
No. 200	6-12

Natural material obtained from sources other than those listed above shall conform to the gradation requirements of Table 733-04A *Subbase Gradation* in §733-04B. *Gradation*.

BASIS OF PAYMENT

Payment will be made under:

Item No.	Item	Pay Unit
304.10119917	Subbase Course, Type 1011-2	Cubic Yard