

ITEM 17304.0296 M - SUBBASE COURSE (TYPE 1) WITH RECYCLED CONCRETE /BITUMINOUS MATERIAL OPTION
ITEM 17304.0396 M - SUBBASE COURSE (TYPE 2) WITH RECYCLED CONCRETE /BITUMINOUS MATERIAL OPTION
ITEM 17304.0496 M - SUBBASE COURSE (TYPE 3) WITH RECYCLED CONCRETE /BITUMINOUS MATERIAL OPTION
ITEM 17304.0596 M - SUBBASE COURSE (TYPE 4) WITH RECYCLED CONCRETE /BITUMINOUS MATERIAL OPTION
ITEM 17304.0696 M - SUBBASE COURSE (OPTIONAL TYPE) WITH RECYCLED CONCRETE/BITUMINOUS MATERIAL OPTION

Specification has been

REASON FOR DISAPPROVAL:

The specification for subbase material has been rewritten for the January 2, 2002 Standard Specifications, Vol. I, in Section 304 - Subbase Course to permit the use of certain recycled materials. The Section was revised to permit the use of recycled Portland cement concrete (RPCCA), and reclaimed asphalt pavement (RAP), for Types 1, 3, and 4.

For Type 2 the use of glass was deleted, and RPCCA and RAP is not permitted. Discussions with people who helped develop the requirements for Type 2 revealed that the requirements were based on the physical properties of specific materials (stone and slag). More research is needed to determine if the Type 2 gradation would still be effective if glass, RAP, or RPCCA were allowed in the material mix.

Other minor refinements were made to clarify the meaning of the requirements in the Section and to enhance readability. Last, the item numbers were revised.

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All of the requirements of Section 304 Subbase Course apply except as herein modified.

DESCRIPTION

Furnish, place and compact a subbase course consisting of material described in this Specification.

MATERIALS

Furnish:

1. Material meeting the requirements of the applicable subbase course type as contained in Section 304 Subbase Course of the Standard Specifications, or
2. Alternative A: at least 95 percent, by weight, of Recycled Portland Cement Concrete Aggregate (RPCCA) free from organic or other deleterious material, or
3. Alternative B: at least 95 percent, by weight, of a homogeneous, thoroughly-blended mixture of RPCCA, free from organic or other deleterious material, with Stone, Sand, Gravel or Blast Furnace Slag, whichever is allowed in the material type chosen, or
4. Alternative C: bituminous pavement and/or shoulder material reclaimed from a project constructed by NYSDOT with the following requirements: (1) well-graded from coarse to fine and free from organic or other deleterious material, including tar, (2) at least 95 percent, by weight, reclaimed bituminous material and (3) a maximum top size, at the time of placement, of 50 mm.

Special Provisions for Alternatives A and B

If RPCCA is used, and it comes from other than a NYSDOT project, provide documentation showing that the material obtained is from either a NYSDEC registered or permitted construction

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and demolition (C&D) debris processing facility as specified in Section 360-16.1 of 6NYCRR Part 360, "Solid Waste Management Facilities, Title 6 of the Official Compilation of Codes, Rules and Regulations."

If blast furnace slag is used, provide documentation showing that it has undergone a NYSDEC beneficial use determination (BUD) prior to its use as specified in Section 360-1.15 of 6NYCRR Part, 360, "Solid Waste Management Facilities, Title 6 of the Official Compilation of Codes, Rules and Regulations."

addenda 2 and the issuance of

Special Provisions for Alternative C **EB 99-066**

Provide written documentation that the reclaimed bituminous material originated on a NYSDOT project. Include an identifier, such as a State Highway, Construction Contract or Departmental Project Identification Number. Stockpiling of the reclaimed bituminous material is not required.

CONSTRUCTION DETAILS

Notify the Engineer, in writing, of which placement option, material option (if applicable) and/or material type is proposed for use at least 14 calendar days prior to performing the work. If it is proposed that more than one option or type is to be used, submit a plan to the Engineer describing where each option or type is proposed for use. This plan must be approved by the Engineer prior to incorporating it into the project.