Standard Specification Section 302, Bituminous Stabilized Course, contains the contract requirements for mixing and placing this stabilized material. Bituminous stabilization refers to a process by which a controlled amount of bituminous material is thoroughly mixed with an existing aggregate material to form a stable base. Bitumen increases the cohesion and load-bearing capacity of the aggregate.

**General Requirements**
Granular material supplied under Option A shall be stockpiled in accordance with GCP-17 *Procedure for the Control and Quality Assurance of Granular Materials.*

**Project Procedure**
The Engineer inspects the construction of stockpiles. Record the material source and stockpile construction features on DWR in SiteManager. Request approval of the stockpile from the Regional Geotechnical Engineer, in accordance with GCP-17.

The Regional Geotechnical Engineer will supervise the sampling and arrange for the testing of the stockpiles. Test results will be reported on Form GE-454, "GRANULAR MATERIAL DOCUMENTATION FORM."

In accordance with GCP-16 *Procedure for Determining Application Rates, Calibration and Inspection for Soil Stabilization Plants*, the Geotechnical Engineering Bureau shall furnish a recommended application rate for Option A materials on Form GEB-344f, "BITUMINOUS STABILIZED COURSE – RECOMMENDED APPLICATION RATE." The Regional Geotechnical Engineer must submit an additional sample from each stockpile to the Geotechnical Engineering Bureau for lab testing to determine this application rate.

The Engineer is directed to Materials Method 8.2 for inspection and documentation of Bituminous Materials and to GCP-16 concerning calibration of pugmills. Form GEB 352b, "PROJECT INSPECTION REPORT - BITUMINOUS STABILIZED COURSE," should be completed by the Regional Geotechnical Engineer.

Regional Geotechnical and/or Geotechnical Engineering Bureau personnel are available to assist in the calibration of the plant. Form GEB-423b), "BITUMINOUS PUGMILL CALIBRATION FORM," shall be used for the documentation.

The following shall be documented by the Inspector in DWR:

1. Approved material incorporated into the project including source and stockpile.
2. Weather and time of year conditions are within specification limits (no material shall be placed on a surface that is below 45°F., and from the last Saturday of September to May 15, except with written permission from the Deputy Chief Engineer, Technical Services Division.
3. Placement and compaction are within specification limits (maximum compacted thickness of any layer shall not exceed 4 in.)

**Evidence of Acceptability**
1. Compliance with all specification requirements for the item(s) involved, as well as conformance to the pertinent Departmental procedural manuals.
2. If variations to the stockpiling requirements are granted, a copy of the approval letter from the Director of the Geotechnical Engineering Bureau permitting the variations.
3. For granular materials furnished under Option A, test results (Form GE-454M, "GRANULAR MATERIAL DOCUMENTATION FORM") and, when applicable, a copy of the letter
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approving stockpile transfer, as well as the original GE-454M.

Full payment shall be made after the bituminous stabilized course has been placed, properly cured, and compacted to the required tolerance, regardless of whether another item will be placed on top of the material.

References

GCP-17, GEOTECHNICAL CONTROL PROCEDURE Procedure for the Control and Quality Assurance of Granular Materials.
https://www.dot.ny.gov/divisions/engineering/technical-services/technical-services-repository/GCP-17b.pdf

GEB 344E Bituminous Stabilized Course - Recommended Application Rate

Materials Method 8.2 Asphalt Emulsion – Quality Assurance