

SECTION 02505

GRANULAR SURFACE PAVING

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. WORK included in this section consists of construction of new stone pavement surfaces including subgrade construction and unpaved road shoulder construction.
- B. The work includes construction layout, establishing grade stakes, radii points, construction baselines and all necessary field engineering to control the work in conformance with the plans and specifications. This work will be performed in accordance with Section 01050 - Field Engineering.

1.03 QUALITY ASSURANCE

- A. All work and materials pertinent to this section of the Specifications are to be in accordance with applicable Sections and Paragraphs of Standard Specifications (hereinafter referred to as Georgia DOT specifications), except for the deviations shown on the plans and/or as specified herein.
- B. Notify Owner if conditions exist that will prevent the work from being performed adequately.

1.04 REFERENCES

Standard Specifications, Construction of Roads and Bridges, Latest Edition - Department of Transportation, State of Georgia, Section 318 (latest edition).

1.06 JOB CONDITIONS

- A. Paving operations shall not begin until all underground work of other trades have been completed and all drainage structures installed in areas which are to be paved.
- B. Paving shall be done in dry weather when subgrade is sufficiently stable to be properly compacted. Ground moisture shall not be sealed under paving. All work shall be in accordance with applicable sections of the Reference Standards.
- C. DEVELOPER/CONTRACTOR will provide loaded dump trucks with minimum weight ten (10) tons load for proof-roll testing when subgrade is ready for inspection or other equipment as recommended by the SOILS ENGINEER. A representative of the TOWN OF BRASELTON will observe and approve proof-rolling.

PART 2 PRODUCTS

2.01 SUBGRADE SOILS

Unless otherwise noted, the 6" to 12" of subgrade shall be material suitable for providing an acceptable foundation for supporting granular surface courses and traffic.

2.02 COARSE AGGREGATE

Material used for a coarse aggregate surface course shall meet the requirements of the Georgia DOT Standard Specifications.

2.03 STABILIZER AGGREGATE

Material used for stabilizer aggregate shall meet the requirements of the Georgia DOT Standard Specifications.

2.04 GRADED AGGREGATE BASE COURSE

Material used for a graded aggregate base course shall meet the requirements of the Georgia DOT Standard Specifications.

2.05 UNPAVED ROAD SHOULDERS

Materials used for unpaved shoulders shall meet the requirements of the Georgia DOT Standard Specifications.

PART 3 EXECUTION

3.01 SUBGRADE

- A. The entire surface of the in-place subgrade shall be plowed, harrowed and mixed to a depth of at least 6". After the material has been thoroughly mixed, the subgrade shall be brought to line and grade and compacted to 100% of the maximum laboratory dry density as determined by the Standard Proctor test.
- B. Prior to placing any subsequent layers of aggregate surface course materials, the subgrade shall have sufficient stability to support construction equipment without excessive movement regardless of compaction. Areas of subgrade that are unstable shall be reworked to a moisture content that will provide stability and compaction.
- C. The surface of the completed subgrade shall be bladed to a smooth and uniform texture. The subgrade surface shall conform to the established elevations with an acceptable tolerance of 1/2 inch.
- D. The subgrade shall be proof rolled to locate unstable areas and achieve additional compaction.

3.03 CONSTRUCTION

Placing, Mixing and Rolling: Selected material shall be placed and spread to the prescribed thickness and cross-section. The selected material may be dumped in windrows parallel to the centerline of the roadway or driveway and spread to a uniform thickness by approved methods. After spreading, the selected material shall be scarified and uniformly mixed and shaped to the required cross-section. It shall then be rolled until the surface is thoroughly compacted, firm and unyielding. Water shall be added, if needed, to assist with the scarifying and compaction operations. Sections of the finished roadway, where the original material in place has been approved to be suitable as a selected material surface course, shall be scarified, mixed, shaped, and compacted in accordance with these Specifications for the applicable material. If additional selected material surface course is needed to develop the depth of surfacing shown on the Plans, it shall be added and the surfacing constructed as herein provided. When stabilizer aggregate is specified, it shall be mixed into the surface course in accordance with the provisions of the referenced specifications. Where aggregate surface course is specified, it shall be the specified aggregate or stabilizer material uniformly spread to the required depth at locations shown on the plans.

3.04 MAINTENANCE

When completed, all areas of Granular Material Surface Course shall be maintained to the required cross-section and kept usable until the project is completed and accepted.

END OF SECTION