

REQUEST FOR PROPOSAL – US6 BRIDGES DESIGN BUILD PROJECT
BR 0061-083, SUB ACCOUNT 18838 (CN)
BOOK 2 – TECHNICAL REQUIREMENTS
SECTION 17 –LANDSCAPING (APPENDIX A – BARNUM PARK EAST)

SECTION 02505 CRUSHED STONE PAVING

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS: The Book 1 Contract requirements apply to Work of this Section.
 - A. Work Includes: Furnishing and placing crushed stone paving, bonded with fine aggregate, constructed on a prepared underlying base course in accordance with these specifications and in conformity with the dimensions, typical cross section, and the lines and grades shown on the Drawings.
 - B. Related Work:
 - 1. Layout of Work and Surveying – Section 01050
 - 2. Submittals – Section 01300
 - 3. Earthwork – Section 02200.
- 1.2 SUMMARY: This work consists of furnishing and placement of crushed stone paving.
- 1.3 SUBMITTALS:
 - A. Material Analysis: Contractor shall provide copies of the following test data required by ASTM:
 - 1. ASTM C136 - Sieve Analysis
 - 2. ASTM C127 - Specific Gravity and Absorption
 - 3. ASTM C131 - L.A. Abrasion
 - B. Provide a one (1) pound sample of material for acceptance.

PART 2 - PRODUCTS

- 2.1 MATERIALS
 - A. Granite Sand: Material shall be generated from quarries where granite is mined and shall comply with ASTM C 136. The following gradation is required:

Sieve size	% passing
3/8"	100
#4	70-100
#8	50-75
#16	30-65
#30	20-45
#50	10-30
#100	2-20
#200	0-15

~~B. Class 6 Road Base: Material shall meet the requirements of the 2011 CDOT Standard Specification for Road and Bridge Constructin Section 703.3.~~

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PART 3 - EXECUTION

3.1 PLACEMENT

- A. Cut earthwork to width of pavement and approximate depth for the five inch (5”) trail section as specified on the Drawings and Details. Remove, haul and dispose of excess material off site.
- B. Prior to placement of Crushed Stone Paving material, the sub-grade shall be proof rolled. Where soft spots are detected, scarify subgrade beneath Crushed Stone Paving to a minimum of six inch (6”) depth. Moisture treat and compact to a minimum ninety-five percent (95%) proctor density as determined by ASTM D698 or AASHTO T-99. Take moisture density tests every two-hundred-fifty linear feet (250 lf) of trail or proof roll. Treat and compact sub-grade, leaving it five inches (5”) below final grade for placement of Crushed Stone Paving. Compact material and retest by proof rolling.
- C. Spread Crushed Stone Paving. Rake the Crushed Stone Paving smooth, roll and compact to meet proposed grade. Establish cross-slope for drainage across the trail as specified in the Drawings. If ground is level, crown the paving to have positive drainage off both sides.
 - 1. If the paving is part of a cross slope it should drain in the direction of the slope no greater than two percent (2%). Ensure that no low spots exist so that ponding does not occur.
 - 2. Roll Crushed Stone Paving to ensure specified compaction density is achieved.

END OF SECTION