

## PART 2 - PRODUCTS

### 2.1 FORMS

- A. Form Materials: Steel or wood forms shall be used throughout the construction. On radii 3 feet or less, 1/4-inch plywood or masonite shall be used. All forms shall have a height equal to concrete thickness. Built-up, battered, bent, twisted, or broken forms shall be removed from the work. Expansion joint materials shall not be used.
- B. Form-Release Agent: Commercially formulated form-release agent that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

### 2.2 CONCRETE MATERIALS

- A. Cementitious Material: Use the following cementitious materials, of same type, brand, and source throughout Project:
  - 1. Portland Cement: ASTM C 150 Type I.
- B. Coarse Aggregate: Well-graded limestone. Gradation and physical requirements to conform to MDOT Specification 6AA.
- C. Fine Aggregate: Limestone or other fine aggregate that is free of soft particles or other material that could cause staining or pitting of pavement surface. For gradation purposes only, the material shall conform to MDOT Specification 2NS.
  - 1. Fine aggregate shall be free of materials with deleterious reactivity to alkali in cement.
- D. Water: Potable and complying with ASTM C 94/C 94M.

### 2.3 STEEL REINFORCEMENT

- A. Reinforcing Bars: As specified on the Drawings, if required for this project.. It shall be new billet stock of intermediate grade in accordance with ASTM A615.
- B. Mesh reinforcement: As specified on the Drawings, if required for this Project.
  - 1. Heavy duty and heated pavement; Welded wire fabric (4-inch x 4-inch – W4 x W4) in flat sheets only, conforming to ASTM A185.
- C. Tie Bars: ASTM A 615, Grade 60, deformed.

### 2.4 DOWELS

- A. Construction Expansion Joints: