

SECTION 56

CLASS M6 CONCRETE FOR CURB & GUTTER AND FLATWORK

56.1 DESCRIPTION

A. General: This work consists of site preparation, form construction, and the furnishing, handling, placing, curing, and finishing of Class M6 concrete for minor structures and incidental construction.

B. Related Work:

Section 40	Portland Cement Concrete Pavement
Section 55	Cast in Place Concrete Structures
Section 57	Reinforcing Steel
Section 100	Portland Cement
Section 101	Air-Entraining Admixtures
Section 102	Chemical Admixtures for Concrete
Section 103	Fly Ash
Section 104	Water for Use in Portland Cement Concrete
Section 105	Fine Aggregate for Use in Portland Cement Concrete
Section 106	Masonry Mortar Sand
Section 107	Coarse Aggregate for Use in Portland Cement Concrete
Section 108	Concrete Curing Materials
Section 113	Prefomed Expansion Joint Filler for Concrete
Section 114	Concrete Joint Sealer
Section 123	Concrete Reinforcement
Section 203	Submittals

56.2 MATERIALS

A. Cement: Shall conform to the requirements of Section 100. Unless otherwise specified, Type II cement shall be used.

B. Fine Aggregate: Shall conform to the requirements of Section 105.

C. Coarse Aggregate: Shall conform to the requirements of Section 107.

D. Water: Shall conform to the requirements of Section 104.

E. Admixtures: Shall conform to the requirements of Sections 101 and 102.

F. Reinforcing Steel: Shall conform to the requirements of Sections 57 and 123.

G. Curing Materials: Shall conform to the requirements of Section 108.

H. Joint Filler: Shall conform to the requirements of Section 113.

I. Joint Sealer: Shall conform to the requirements of Section 114.

J. Fly Ash: Section 103.

56.3 CONSTRUCTION REQUIREMENTS

The supplier of Class M6 Concrete will be required to furnish a written statement certifying that the concrete furnished meets the applicable requirements of Section 56 for Class M-6 concrete.

A. Concrete Quality and Proportion: Class M6 concrete shall be used for curb & gutter, sidewalk, approach pavement, driveways, fillets, and drain pans. For mainline Portland Cement Concrete Pavement refer to Section 40.

Class M-6 concrete shall meet the following requirements:

1. The concrete aggregate mixture shall contain a minimum of fifty percent (50%) coarse aggregate by weight.
2. The mixture shall contain at least six hundred (600) pounds of Cementous material per cubic yard.
3. The minimum twenty-eight (28) day compressive strength shall be four thousand (4000) psi.
4. The slump at time of placement shall be maintained between 1 inch and 4½ inches.
5. The entrained air content for cast in place concrete shall be 6.5% plus 1.0% minus 1.5%.

B. Equipment, forms, mixing and hauling concrete, delivery, placement, joints, curing, protection of concrete, testing, form removal, and surface finish shall be in conformance with Section 55.

56.4 METHOD OF MEASUREMENT

Measurement of Class M6 concrete shall be per the associated specification section.

When called for in detailed plans and specifications concrete test sets shall be measured per each. If concrete test sets are not called out as a bid item in the detailed plans and specifications they shall be considered incidental various bid items.

56.5 BASIS OF PAYMENT

Measurement of Class M6 concrete shall be per the associated specification section.

When called for in detailed plans and specifications concrete test sets shall be paid for per each. If concrete test sets are not called out as a bid item in the detailed plans and specifications they shall be considered incidental various bid items.

Payment will be full compensation for materials, labor, equipment and tools necessary, including concrete, reinforcing steel, joint sealer, plastic sheeting, preformed expansion joint material, sawing, testing, and incidentals required to furnish Class M6 concrete in place.

END OF SECTION