

**SECTION 32 16 13**  
**CONCRETE CURBS & GUTTERS**

**PART 1 GENERAL**

1.01 SUMMARY

- A. Section Includes:
  - 1. Cast-in-place concrete curbs, and concrete curb and gutter.
- B. Related Sections:
  - 1. Section 32 11 23 - Aggregate Base Courses.
  - 2. Section 32 12 01 - Flexible Paving (Municipal Projects).
  - 3. Section 32 13 14 - Concrete Walks, Medians, and Driveways.

1.02 PRICE AND PAYMENT PROCEDURES

- A. Measurement and Payment
  - 1. Concrete Curb and Gutter. Measurement of curb and gutter shall be by the lineal foot of each type measured along the face of the curb at the gutter line for each type. Payment shall include materials, preparation, placement, finishing, curing, protection, reinforcement, and backfilling. No payment for curb will be made at the location of catch basin castings.

1.03 REFERENCES

- A. Minnesota Department of Transportation "Standard Specifications for Construction" 2020 Edition (MnDOT Spec.):
  - 1. 2461 - Structural Concrete.
  - 2. 2531 - Concrete Curbing.
  - 3. 3101 - Portland Cement.
  - 4. 3113 - Admixtures for Concrete.
  - 5. 3702 - Preformed Joint Fillers.
  - 6. 3754 - Membrane Curing Compound.

1.04 SUBMITTALS

- A. Submit design mix for each concrete mix designation used.

**PART 2 PRODUCTS**

2.01 MATERIALS

- A. All concrete shall be in accordance with MnDOT Spec. 2461, mix 3F52 for flat work and MnDOT Spec. 2461, mix 3F32 for curb & gutter with the following additional requirements:
  - 1. Type 3 air-entrained concrete
  - 2. 28-day compressive strength of 4,500 psi.
- B. White pigmented curing agent shall be in accordance with Mn/DOT Spec. 3754.
- C. Aggregate base shall be Class 5 granular material conforming to Mn/DOT Spec. 2211.

- D. Contractor shall be responsible for the making the suppliers aware of these additional requirements. Any concrete not meeting these specifications shall be rejected.

**PART 3 EXECUTION**

3.01 GENERAL

- A. All concrete curb and gutter shall be constructed in accordance with Section 2531 of the current Minnesota Department of Transportation Standard Specifications, except as modified or altered below:
  - 1. All curb and gutter shall be B618, unless otherwise specified on the plan or special provisions.
  - 2. Driveway openings in the curb shall be constructed as shown on the plans, standard plates, or as directed by the Engineer in the field.
  - 3. An expansion joint shall be placed at the radius point or all changes in direction.
  - 4. The Contractor shall construct concrete gutters as detailed on the standard plate at the end of these specifications, and as located on the plans.
  - 5. Delete that portion of Section 2531 which requires that the concrete curb and gutter joints be sealed with joint sealer material.
  - 6. The Contractor shall provide all concrete samples needed for test cylinders, slump tests, air entrainment tests, and other tests ordered by the Engineer.
  - 7. All honeycombed areas shall be back plastered as directed by the Engineer.

**END OF SECTION**