

**SECTION 01 40 00**  
**TESTING REQUIREMENTS**

**PART 1 GENERAL**

1.01 SUMMARY

A. Section Includes:

1. Testing requirements and procedures for projects in the City of Wahpeton right-of-way.

1.02 RELATED SECTIONS

- A. Section 31 23 00 – Excavation and Fill
- B. Section 31 23 13 – Subgrade Preparation
- C. Section 32 11 23 – Aggregate Base Course
- D. Section 32 12 01 – Hot Bituminous Pavement
- E. Section 32 13 12 – PCC Pane Repair
- F. Section 32 13 14 – Concrete Walks, Medians, and Driveways
- G. Section 32 16 13 – Concrete Curb and Gutter
- H. Section 33 05 05 – Trench Excavation and Backfill
- I. Section 33 10 00 – Water Utilities
- J. Section 33 12 12 – Water Services
- K. Section 33 31 00 – Sanitary Sewer Piping
- L. Section 33 31 14 – Sanitary Sewer Services
- M. Section 33 40 00 – Storm Sewer

1.02 REFERENCES

- A. NDDOT Field Testing Manual
- B. AASHTO Testing Procedures

C. ASTM Testing Procedures

1.03 SUBMITTALS

- A. A copy of all testing reports for City projects or for projects that will be constructed in City right-of-way, shall be submitted to the Public Works Department at City Hall.

1.04 TESTS AND INSPECTIONS

- A. The Contractor shall hire an independent testing laboratory approved by the Engineer to test concrete.
- B. Concrete Cylinders for Strength Tests shall be made for each day of placement and for every 100 Cubic Yards of Concrete placed. Cylinders shall be cast according to the following schedule.
  - a. 1 cylinder for 3 day break
  - b. 1 cylinder for 7 day break
  - c. 1 cylinder for 28 day break
  - 4. Contractor may choose to cast more cylinders at Contractor's expense.
- B. Concrete slump test shall be done in the field to determine slump of concrete. The slump tests shall be done according to the following schedule:
  - 1. 1 test per 50 Cubic Yards of Concrete place or 1 per day, whichever is greater.
- C. Concrete air test shall be done in accordance with ASTM C231. Air testing shall be done according to the following schedule:
  - 1. 1 test per 50 Cubic Yards of Concrete place or 1 per day, whichever is greater.
  - 2. If air content does not meet Specifications, remove batch from Work and dispose off Site.
- D. Concrete temperature shall be taken from each truck.

**PART 2 PRODUCTS**

Not Used.

