

SECTION 02853

PRECAST CONCRETE WHEELSTOPS

PART 1 - GENERAL

1.1 SUMMARY

- A. **This Section includes** the following:
 - 1. Precast concrete precast concrete speed bumps.

1.2 REFERENCES

- A. **ANSI/ASTM C-150** - Portland Cement
- B. **ANSI/ASTM C-260** - Air-Entraining Admixtures for Concrete
- C. **ASTM A-615** - Deformed and Plain Billet Steel Bars for Concrete Reinforcement.
- D. **ASTM C-33** - Concrete Aggregates

1.3 COORDINATION

- A. **Coordinate work** and location complying with Detail 8/C500
- B. **Coordinate the work** with pavement placement Sections 02520 and 03300.

PART 2 – PRODUCTS

2.1 CONCRETE BUMPERS

- A. **Cement:** ANSI/ASTM C150, Portland Type I - Normal; gray color.
- B. **Concrete Materials:** ASTM C33; water and sand.
- C. **Reinforcing Steel:** ASTM A 615, Grade 60, deformed steel bars; unfinished, two #4 bars per unit.
- D. **Air Entrainment Admixture:** ANSI/ASTM C260.
- E. **Concrete Mix:** Minimum 5000 psi, 28 day strength, air entrained to 7 percent.

- F. **Use rigid molds**, constructed to maintain precast units uniform in shape, size and finish. Maintain consistent quality during manufacture.
- G. **Cure units** to develop concrete quality, and to minimize appearance blemishes such as non-uniformity, staining, or surface cracking.

2.2 CONFIGURATION

- A. **Nominal Size:** 6 inches high, 9 inches wide, 6 feet long for units shown on drawings for general use.
- B. **Profile:** Rectangular cross section with chamfered vertical faces, square ends.

2.3 ANCHORAGE

- A. **Speed bumps** shall be anchored with mortar.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. **Install units** without damage to shape or finish. Replace or repair damaged units.
- B. **Install units** in alignment with adjacent work.
- C. **Paint units** with reflective yellow alkyd paint and glass beads, per DOTD specifications, Subsection 1015.12(a) and 1015.13 (2 coats @ 15 mils each). Coordinate with Architect.

END OF SECTION