

SECTION 32 17 13
PARKING BUMPERS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Precast concrete parking bumpers.
 - 2. Parking bumper anchors.
- B. Related Sections:
 - 1. Section 32 12 16 - Asphalt Paving.
 - 2. Section 32 13 13 - Concrete Paving.

1.2 REFERENCES

- A. ASTM International:
 - 1. ASTM A615 - Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.

1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Product Data: Submit unit configuration, dimensions.

1.4 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Requirements for coordination.
- B. Coordinate the Work with pavement placement and parking striping.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers:
 - 1. Gage Brothers Concrete Products.
 - 2. Southern Cast Stone Co., Inc.
 - 3. Parking Bumper Co.
 - 4. Substitutions: Equal per Section 01 60 00 - Product Requirements.

2.2 CONCRETE BUMPERS

- A. Precast Reinforced Concrete Mix: Minimum compressive strength of 5,000 psi at 28 days, air entrained to 5 to 7 percent.
- B. Use rigid molds constructed to maintain precast units uniform in shape, size, and finish. Maintain consistent quality during manufacture.
- C. Embed reinforcing steel and drill or sleeve for two dowels.

- D. Cure units to develop concrete quality and to minimize appearance blemishes including non-uniformity, staining, or surface cracking.
- E. Minor patching in plant is acceptable providing appearance of units is not impaired.

2.3 CONFIGURATION

- A. Nominal Size: 6 inches high, 8 inches wide, 6 feet long.
- B. Profile: Manufacturer's standard cross section with sloped vertical faces, square ends, and drainage slots.

2.4 ACCESSORIES

- A. Dowels: Steel, unfinished, 1/2 inch diameter, 24 inches long, pointed tip conforming to ASTM A615.

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. Fasten units in place with two dowels for each unit bumper.
- D. Core drill concrete pavement 1/8 inch larger than dowel. Seal annular space around hole with grout or sealant.

END OF SECTION