

SECTION 02740

WHEEL STOPS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Section includes specifications for precast concrete wheel stops for vehicular parking stalls in parking structures and parking lots as indicated.

1.02 REFERENCE STANDARDS

- A. State of California, Department of Transportation (Caltrans), Standard Specifications:
 - 1. Section 95 Epoxy

1.03 SUBMITTALS

- A. Shop Drawings: Submit shop drawings of stops, including installation details and attachment details to at-grade concrete and asphalt pavement, for approval.
- B. Product Data: Submit manufacturers' product data of precast stops and epoxy adhesive for approval.

1.04 QUALITY ASSURANCE:

- A. Precast wheel stops shall be manufactured for the intended purpose by a company or firm specializing in the manufacture of precast concrete parking appurtenances.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Wheel Stops: Precast, 3.5% minimum air-entrained concrete; 4000 psi minimum compressive strength. Each stop shall be reinforced with two No. 4 deformed steel reinforcing bars, minimum. Provide chamfered corners and drainage slots on underside, and provide holes for dowel-anchoring to substrate. Unless indicated otherwise, provide stops of half octoganal configuration and 36-inch length.
- B. Adhesive for Anchoring Stops to Parking Structure Slabs, At-Grade Concrete Pavements, and At-Grade Asphalt Pavements: Epoxy adhesive manufactured for the purpose, similar and equal to the adhesives specified in Caltrans Standard Specifications, Section 95-2.04 or 95-2.05.
- C. Adhesive for Bonding Dowel to Wheel Stop: As proposed by Contractor and approved by the Engineer, suitable for application.
- D. Steel Bars for Installation: Galvanized 5/8" diameter steel dowels or galvanized

No. 5 steel reinforcing bars.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Securely attach wheel stops into at-grade concrete and at-grade asphalt pavement with not less than two galvanized steel dowels embedded in holes cast into wheel stops. Firmly bond each dowel to wheel stop and to pavement.
- B. At concrete pavement, drill holes in pavement for dowels.
- C. At parking structure slabs, epoxy to slab.

END OF SECTION