

SECTION 620 CONCRETE CORRUGATED MEDIAN AND CONCRETE MEDIAN NOSE

620.1 Description

- (1) This section describes constructing a concrete corrugated median or concrete median nose placed in one course on a prepared foundation.

620.2 Materials

- (1) Use materials conforming to the requirements for the class of material named and specified below.
Concrete section 501
Joint filler415.2
Reinforcement section 505
- (2) Furnish grade A, A-FA, A-S, A-T, A-IS, or A-IP concrete conforming to 501.2.

620.3 Construction

- (1) The engineer will inspect concrete built under section 620 for transverse cracking as specified in 415.3.19 for ancillary concrete. Repair cracked concrete as the engineer directs.
- (2) Under the Concrete Corrugated Median bid item, construct concrete corrugated median including nose section, placed in one course on a prepared foundation.
- (3) Under the Concrete Median Blunt Nose bid item, construct a blunt concrete median nose section.
- (4) Under the Concrete Median Sloped Nose bid item, construct a sloped concrete median nose section.

620.3.1 Preparing the Foundation

- (1) Prepare the foundation for the median by excavating to the lines, grade, and cross section the plans show and required for placing the concrete. Remove and replace any soft or unsuitable material encountered with suitable material and thoroughly compact and finish the foundation to a firm surface. Ensure the foundation is moist when placing the concrete.

620.3.2 Placing Concrete

- (1) If forms are required, set them to line and grade and secure in place before placing the concrete.
- (2) Deposit the concrete to the proper depth, consolidate by spading or vibrating, and strike off at the required elevation and crown. Form the required corrugations with tools and equipment appropriate for the purpose, according to the plan details.
- (3) If constructing the median adjacent to concrete pavement, place tie bars as specified under 415.3.9.1 and 415.3.9.2 for longitudinal and transverse joints.
- (4) Broom finish the surface of the median unless specified otherwise. Draw the broom transversely across the full width of the median surface with adjacent strokes slightly overlapping. Perform brooming in a manner that produces corrugations uniform in appearance and not greater than 1/8 inch (3 mm) deep. Complete the brooming before the concrete's condition causes the surface to tear or become rough from the operation. Provide a finished surface free from rough or porous areas, irregularities, and depressions resulting from improper broom handling. Ensure brooms are the quality, size, and construction appropriate for the job and operated to produce a surface finish meeting the engineer's approval.
- (5) Cure the concrete as specified for concrete pavement in 415.3.12.
- (6) If constructing concrete median during cold weather then conform to 415.3.15 for cold weather concreting.
- (7) Conform to 415.3.16 for protection of concrete median.
- (8) Remove and dispose of all excavation and surplus materials in the manner specified for in 205.3.12.

620.4 Measurement

- (1) The department will measure Concrete Corrugated Median by the square foot acceptably completed, including the nose section.
- (2) The department will measure Concrete Median Blunt Nose and Concrete Median Sloped Nose by the square foot acceptably completed, for the nose section only.

620.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
620.0100	Concrete Corrugated Median	SF
620.0200	Concrete Median Blunt Nose	SF
620.0300	Concrete median Sloped Nose	SF

- (2) The department will adjust pay for crack repairs on concrete built under section 620 as specified in 416.5.2 for ancillary concrete.
- (3) Payment for Concrete Corrugated Median, Concrete Median Blunt Nose, or Concrete Median Sloped Nose is full compensation for preparing the foundation; for providing all materials, including concrete, joint filler and tie bars; for hauling, placing, consolidating, shaping, finishing, curing and protecting the concrete; and for disposing of surplus materials.