

INLETS, MANHOLES, AND JUNCTION BOXES.
(REV 12-15-25) (FY 2026-27)

ARTICLE 425-1 is deleted and the following is substituted:

425-1 Description.

Repair or replace inlets, manholes, and junction boxes using reinforced concrete as shown in the Standard Plans. Furnish and install or replace metal frames and gratings. Construct yard drains from concrete meeting the requirements of Section 347. Adjust structures requiring adjustment for the satisfactory completion of the work when specified in the Contract Documents.

For precast structures, meet the requirements in 449-1.

Remove debris from manholes and inlets at locations as needed to perform the work specified in the Contract Documents.

ARTICLE 425-7 is expanded by the following:

425-7.8 Cleaning of Manholes and Inlets: Clean manholes and inlets using a jet/vacuuming system or pumping system capable of removing water and debris into a collection bin. Remove and dispose of the water and debris collected in accordance with Federal, State, and Local Rules and Regulations.

ARTICLE 425-8 is deleted and the following substituted:

425-8 Method of Measurement.

The quantities to be paid for furnishing and installing inlets, manholes, junction boxes, yard drains, and grates will be the number of structures completed and accepted.

The quantities to be paid for cleaning manholes and inlets, repairing leaks in manholes and inlets, installing or resetting frame and grate, and installing or securing manhole frames and covers will be each manhole, inlet, frame, grate, and manhole frame and cover completed and accepted.

ARTICLE 425-9 is deleted and the following substituted:

425-9 Basis of Payment.

425-9.1 New Structures: Price and payment will be full compensation for furnishing all materials and completing all work described herein or shown in the Plans, including all clearing and grubbing outside the limits of clearing and grubbing as shown in the Plans, all excavation except the volume included in the measurement designated to be paid for under the items for the grading work on the project, all backfilling around the structures, the disposal of surplus material, and the furnishing and placing of all aprons, grating, frames, covers, and any other necessary fittings.

425-9.2 Adjusted Structures: When an item of payment for adjusting manholes, valve boxes, or inlets is provided in the proposal, price and payment will be full compensation for the number of such structures designated to be adjusted as specified in the Contract Documents.

For any of such types of these structures required to be adjusted but for which no separate item of payment is shown in the proposal for the specific type, payment will be made under the item of adjusting miscellaneous structures.

425-9.3 Cleaning Manholes and Inlets: The Contract unit price for cleaning manholes and inlets will include all labor, equipment, materials, and incidentals necessary for cleaning manholes and inlets, temporary removal of grates and covers, any temporary pipe plugs necessary to complete the work, and disposal of all water and debris removed.

425-9.4 Repair Leaks in Manholes and Inlets: The Contract unit price for repairing leaks in manholes and inlets will include all labor, equipment, materials, and incidentals necessary to repair leaks as specified in the Contract Documents in accordance with Section 427, Sealing of Drainage Structures, or other repair method as approved by the Engineer.

425-9.5 Replace Frame and Grate: The Contract unit price will include all labor, equipment, materials (including concrete), and incidentals necessary to furnish and install each new frame and grate. The price will also include all cost for removing and disposing of the replaced frame and grate.

425-9.6 Reset Frame and Grate: The Contract unit price will include all labor, equipment, materials (including concrete), disposing of debris, and incidentals necessary to reset existing frame and grate.

425-9.7 Cleaning and Sealing Manholes and Inlets: The Contract unit price for cleaning and sealing manholes and inlets will include all labor, equipment, materials, and incidentals necessary for cleaning and sealing manholes and inlets.

425-9.8 Precast Cap for Inlet: The Contract unit price will include all cost for labor, equipment, materials (concrete, reinforcing steel, etc.), removal and disposal of existing structure top, and incidentals necessary to replace an inlet by furnishing a new precast top or poured-in-place repair in accordance with the Department's Standard Plans and revisions thereto current at the time of contract letting.

425-9.9 Replace Grate: The Contract unit price will include all cost for labor, equipment, materials (including concrete), removing and disposing of existing grate, and incidentals necessary to replace existing grates of the type specified.

425-9.10 Payment Items: Payment will be made under the items specified in the Bid Price Proposal.