Index 425-053 Ditch Bottom Inlet Types F and G

Design Criteria

FDOT Design Manual (FDM); ***Drainage Manual (DM)***; ***Drainage Design Guide (DDG)***

Design Assumptions and Limitations

These inlets are designed for use in ditches, medians, pavement areas, or other areas subject to heavy traffic loading, minimal debris, and bicycle traffic. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet. When inlet is placed in areas subject to bicycle traffic, install filler bar when clearance or gap is greater than 5/8” as shown in ***Index 425-031***.

Recommended maximum pipe sizes for concrete pipe:

For 2’6” Inlet Inside Width (Type F): 18”

For 4’0” Inlet Inside Width (Type F): 30”

For 4’10”/ 5’0” Inlet Inside Width (Type G): 42”

Sizes for other types of pipe must be checked for fit in accordance with ***Index 425-001***.

For larger pipe see bottom detail in ***Index 425-010***.

Plan Content Requirements

Include Drainage Structure information in the Plans in accordance with the requirements of the Basis of Estimates Manual (***BOE***) and the ***FDM.***

Payment

Item number	Item Description	Unit Measure
425-156-	Inlets, Ditch Bot, Type F	EA
425-157-	Inlets, Ditch Bot, Type G	EA

See the ***BOE*** and ***Specification 425*** for additional information on payment, pay item use and compensation.