For use at curb drops for driveways. Use only when specified in the contract documents.

Provide bicycle-safe vane-style grate. At low points, grates with vanes facing both directions of flow are allowed.

For details of boxout pavement, refer to SW-514.
Provide bicycle-safe vane-style grate. At low points, grates with vanes facing both directions of flow are allowed. The Contractor has the choice of which Type S Grate to use.

Use ductile iron frame castings meeting the requirements of ASTM A 536.

Frame minimum weight = 220 lbs.
Grate minimum weight = 340 lbs.

Grate minimum weight = 340 lbs. Bolt frame to grate with six 3/8 X 3½" flat head cap screws.

Bolt frame to grate with six 3/8 X 4 1/2" stainless steel hex head bolts.

See Detail 'A'

Bolt Slot Detail

6010.603

Figure 4

Sheet 2 of 2

Flow

Flow

SECTION C-C

SECTION D-D

DETAIL 'A'

Castings for Grate Intakes

SUDAS

SWADOT

SUDAS Director

Design Methods Engineer

Revised 04-17-18