

**Projects First-Round Winner**  
Innovations Challenge

**April 2018**

Prepared by Transportation Planning  
Missouri Department of Transportation

## Florida Flume



### Description

The closed flume inlet with sidewalk inlet Type 1 as shown in the Florida DOT Design Standards provides an engineered solution for situations where there is very little elevation difference between the flowline of curb and gutter in front of sidewalks and ditch flowlines behind sidewalks. See diagrams on back page.

### Benefit

This innovation provides a standard engineered solution alternative to traditional inlets. If this standard was adopted by MoDOT, designers and contractors would become familiar with the application and construction of the closed flume and it could be used more often to solve drainage challenges, avoid utility conflicts, and provide an alternative design for ADA challenges.

### Materials and Labor

Varies per location, engineer should weigh costs associated with:

1. Excavation costs + Drop Inlet + Frame and Grate + Pipe from inlet
2. Cost of utility relocation (assuming reimbursable)

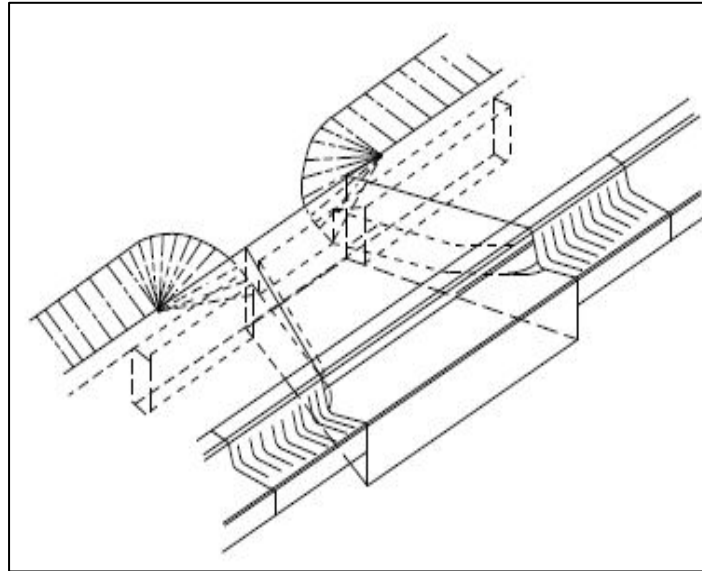
### For More Information Contact:

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Additional information, photos or videos can be seen by accessing the Innovations Challenge SharePoint page at:

<http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>

Orthographic View:



Plan and Profile View:

