# Index 515-070 Aluminum Pipe Guiderail

## Design Criteria

***Americans with Disabilities Accessibility Guidelines (ADAAG), 2004*** as adopted with amendments by the ***USDOT under 49 CFR Part 37 Transportation for Individuals with Disabilities, Adoption of New Accessibility Standards***

## Design Assumptions and Limitations

The Aluminum Pipe Guiderail, ***Index 515-070*** was tested by the FDOT Structural Research Center and found to resist an equivalent Service Loading of 50 lbs./ft. acting simultaneously in the transverse and vertical direction when applied at the height of the Top Rail.

***Index 515-070*** is not approved for use on bridges and is not applicable for shielding drop-off hazards for vehicular traffic. The guiderail is applicable for all cases where a Florida Building Code permit is not required and pedestrian drop-off hazards do not exceed 5'-0". Refer to ***FDM 215*** and ***FDM 222***, for the definition of vehicular and pedestrian "drop-off hazards". This guiderail is also applicable for select uses on sidewalks within service areas and similar locations or maintenance areas where the drop-off exceeds 5'-0".

Provide adequate foundation support for anchorage and stability against overturning. Design a site specific guiderail for unusual site conditions.

***Index 515-070*** and ***Index 515-080*** are similar in form and function. Select which of these guiderails to use at a given site based on District preferences, aesthetic or finish color requirements, corrosion concerns, theft potential issues, fabrication issues, weight of railing and any other project specific requirements.

## Plan Content Requirements

Summary Boxes:

Summarize quantity by location in the *Summary of Railing*, see ***BOE***, Chapter 8.

In the Structures and/or Roadway Plans:

Show Aluminum Pipe Guiderail on sidewalks and walls as required. Designate locations where guiderails are required. Label guiderail by name or Index number.

## Payment

| Item number | Item Description | Unit Measure |
|---|---|---|
| 515-1-2 | Pipe Handrail - Guiderail, Aluminum | LF |

See the ***BOE*** and ***Specification 515*** for additional information on payment, pay item use and compensation.