



COMMONWEALTH of VIRGINIA  
*Office of the*  
SECRETARY of TRANSPORTATION

## Secondary Street Acceptance Requirements

Nick Donohue  
November 7, 2007



# Secondary Street Acceptance Requirements

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- Intended to ensure streets accepted into state system for perpetual public maintenance provide commensurate public benefit
- Legislation mandates that the new regulation include requirements or provisions that:
  - Ensure connectivity of road and pedestrian networks with existing and future transportation network
  - Minimize storm water run-off
  - Minimize impervious surface area through reduced streets widths
  - Address performance bonding and cost recovery

# Secondary Street Acceptance Requirements

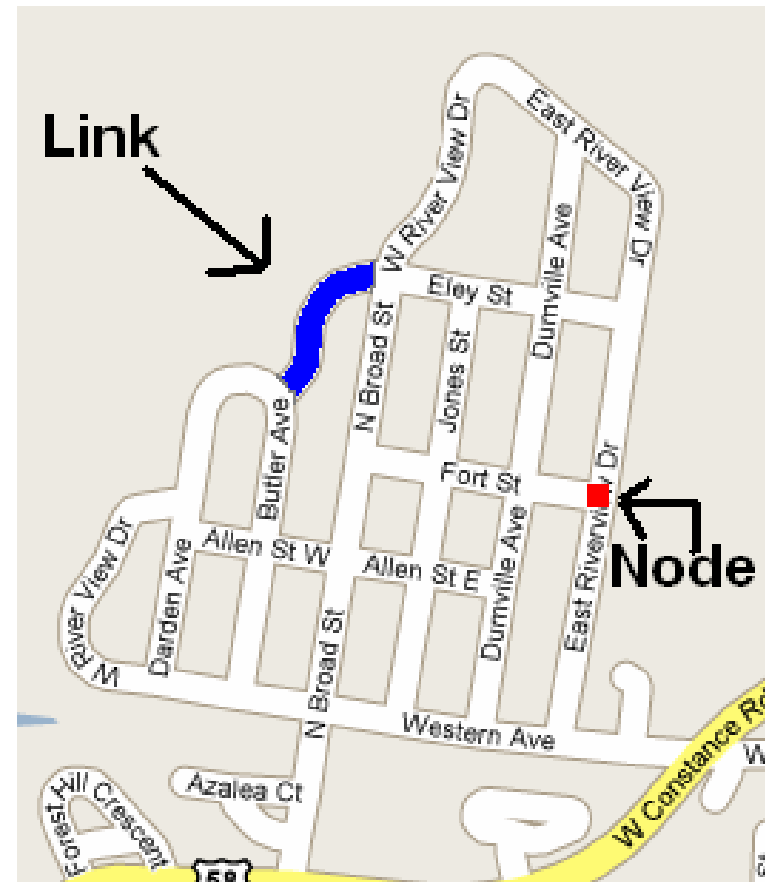
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- **Implementation Advisory Committee consisting of stakeholders has met four times, significant discussion regarding:**
  - **Connectivity requirements**
  - **Pedestrian Accommodations**
  - **Area Type Thresholds**
  - **Conditional Acceptance**

# Connectivity Requirements

## Compact Area Type for Network Additions

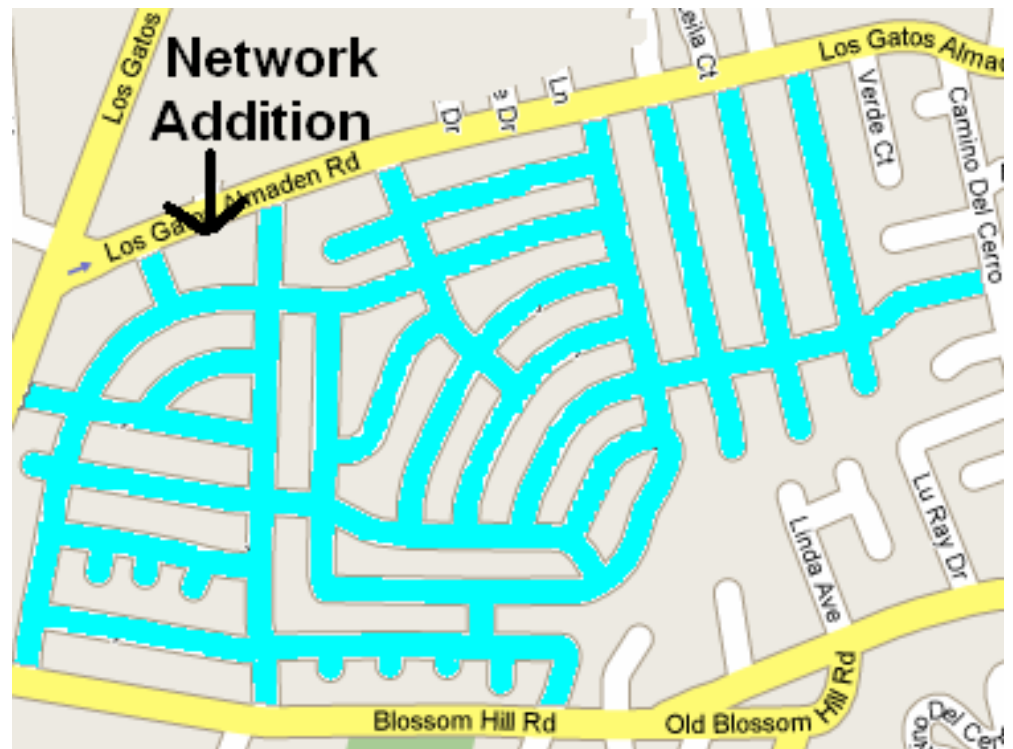
- Link-Node Ratio of 1.6 or greater
- One external connection as well as an additional external connection and stub-out per 50 links or fraction thereof



# Connectivity Requirements

## Suburban Area Type for Network Additions

- Link-Node Ratio of 1.4 or greater
- One external connection as well as an additional external connection and stub-out per 50 links or fraction thereof



# Connectivity Requirements

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## Rural Area Type for Network Additions

- One external connection as well as an additional external connection and stub-out per 50 links or fraction thereof

## All Area Types

- Developments must connect with adjoining development's stub-outs to be eligible for acceptance into state system

**Stub out is a short segment of street at the edge of development intended to provide connectivity with future development**

# Connectivity Exceptions

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- **Incompatible adjoining land use, stub-outs required – external connectivity**
- **Terrain – external connectivity**
- **Existing development, stub-outs required – external connectivity**
- **Parcel shape, stub-outs required – external connectivity (must show reasonable efforts to provide external connectivity)**

# Individual Street Acceptance

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**Individual streets may be considered if:**

- **Local streets that provide missing link**
- **Collector or above**
- **Frontage or reverse frontage road**
- **Rural addition**

**Same connectivity exceptions apply**



# Pedestrian Accommodations

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## Compact Area Type

- Sidewalks required

## Suburban Area Type

- (i) Sidewalks required OR (ii) system of multi-use trails and sidewalks

## Rural Area Type

- (i) One sidewalk required OR (ii) system of multi-use trails

# Pedestrian Accommodations

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## Suburban and Rural Area Types

- Requirements may be modified by District Administrator when developer proposes alternative pedestrian accommodation that provides connectivity

## Suburban Area Types

- When density is less than 2 DU/acre may use rural area type accommodations

# Area Type Thresholds

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**Commissioner, based upon a resolution from the local governing body, may determine that an area type or area type requirements for a specific area should be modified. Areas may only be considered if it is designated for agriculture, forestry, conservation and/or open space uses.**

**Any such modification shall cease to apply if the zoning or district classification of the specific area is modified.**

# Conditional Acceptance

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Developers may choose to meet link-node ratio requirements for network addition through provision of additional stub-outs

Process would carry risk that if locality or other entity prevents the stub-outs from being connected with future development, network addition would be removed from the state system after one year

# Next Steps

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- **Internal VDOT review of design standards with AASHTO Green Book for context sensitive design**
- **Review of national stormwater management techniques to determine which are appropriate for use in Virginia**
- **Publish draft regulation for public comment in December**
- **Develop guidance document that will supplement the regulation**



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