

# VDOT NRO COMM Group

## Broadband Communication Traffic Management

# VDOT NRO COMM Group

## Northern Region

- COX Communication
  - Comcast South
  - Comcast Central
  - Permit Projects (Fairfax/Prince William/Loudoun)
  - Road Projects (UPC)
  - Regional Projects
- Fairfax County  
Prince William County  
Loudoun County

# VDOT NRO COMM Group

- Plan Design Phase
  - Site Survey With Service Provider (<2 weeks)
  - Scope Of Work (SOW) Created (<2 weeks)
    - Service Provider Estimate Established
    - SOW Information Shared
    - Good For Six Months
  - Communication Infrastructure Included On The Plan

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PLAN NOTES -

THE PROJECT SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING COMMUNICATION TO THE TRAFFIC SIGNAL CONTROLLER AT ALL TIMES.

THE PROJECT IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PROVIDING COMMUNICATION TO THE TRAFFIC SIGNAL.

THE PROJECT SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND THE INSTALLATION OF THE COMMUNICATION CIRCUIT CONDUIT(S) TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH THE DESIGNATED COMMUNICATION PROVIDER.

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PLAN NOTE -

THE PROJECT SHALL CONTACT VDOT'S NORTHERN REGION OPERATIONS COMMUNICATIONS GROUP at [NOVATFOCOMM@VDOT.VIRGINIA.GOV](mailto:NOVATFOCOMM@VDOT.VIRGINIA.GOV) NINETY (90) DAYS PRIOR TO THE START OF THE TRAFFIC SIGNAL CONSTRUCTION TO IDENTIFY THE DESIGNATED COMMUNICATION PROVIDER AND TO INITIATE THE BROADBAND CIRCUIT ORDERING PROCESS.

[Initiate the circuit order process with VITA (<1 week)]

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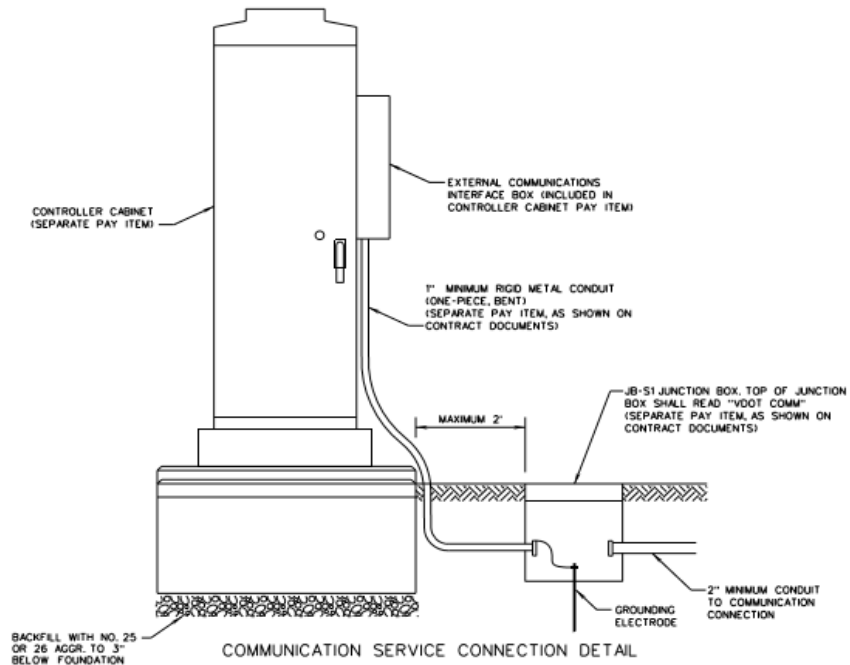
Plan Notes -

THE 1" METAL CONDUIT THAT IS INSTALLED AS PART OF THE COMMUNICATION CIRCUIT (ST'D CC-2 ON THE CONTROLLER CABINET) SHALL BE TERMINATED INTO A ST'D JB-S1 JUNCTION BOX LOCATED 12" TO 24" FROM THE CONTROLLER CABINET FOUNDATION. THE 2" CONDUIT FROM THE DESIGNATED COMMUNICATION PROVIDER CONNECTION POINT TO THE CONTROLLER CABINET SHALL BE TERMINATED INTO THIS JB-S1. THE REQUIRED GROUND ELECTRODE FOR THE COMMUNICATION CIRCUIT SHALL BE INSTALLED IN THIS JB-S1. THE COVER SHALL HAVE "COMM" CAST IN THE DEPRESSION ON TOP AS DETAILED IN THE ST'D JB-S1. PULL ROPE RATED AT 1100 LBS. SHALL BE INSTALLED IN ALL COMMUNICATION CONDUITS. REFER TO VDOT R&B ST'D CF-3 1301.31 (Revision date 2/2016)

# VDOT NRO COMM Group

2016 ROAD & BRIDGE STANDARDS

CF-3



VDOT

ROAD AND BRIDGE STANDARDS

SHEET 2 OF 2

1301.31

REVISION DATE

NEW 02/16

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.

CABINET FOUNDATION DETAILS

TYPE B TRAFFIC SIGNAL EQUIPMENT

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION  
REFERENCE

700  
703

2016 ROAD & BRIDGE STANDARDS

# VDOT NRO COMM Group

## Communication Infrastructure Inspection

- Controller Cabinet Installed
- Conduits/COMM JB-S1 Installed
- Electric Service/Controller Cabinet Energized

# VDOT NRO COMM Group

## Successful Inspection -

- Release the drop/modem installation to the broadband service provider for scheduling
- VDOT NRO COMM Group installs the router and completes the system integration/security process
- Operational within VDOT system after mid-night