



2017 Traffic Signal Industry Forum

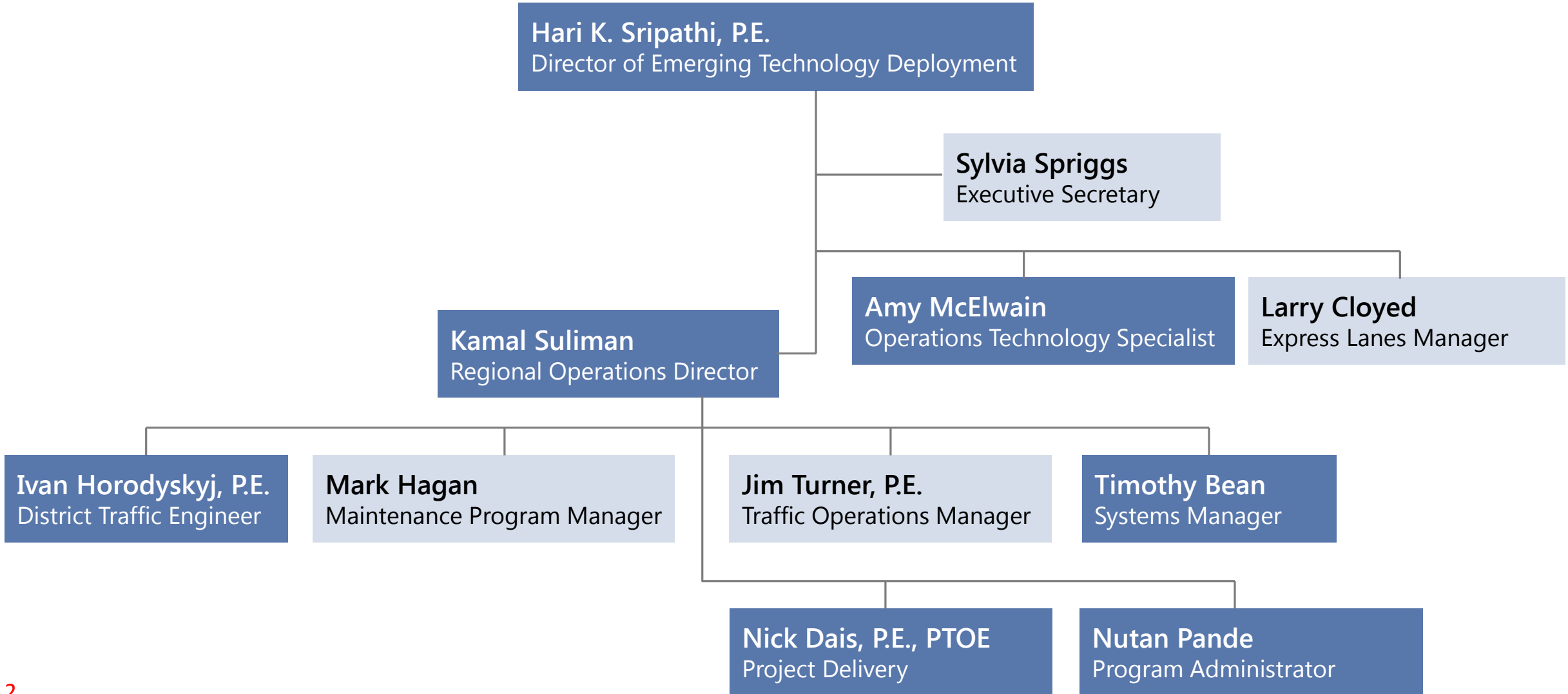
Sid Siddiqui, P.E.

Program Manager

Northern Virginia District Traffic Engineering Project Delivery

October 16, 2017 | NoVA District Office, Fairfax

NRO Organization Updates



NRO Fast Facts

NRO Program Initiatives

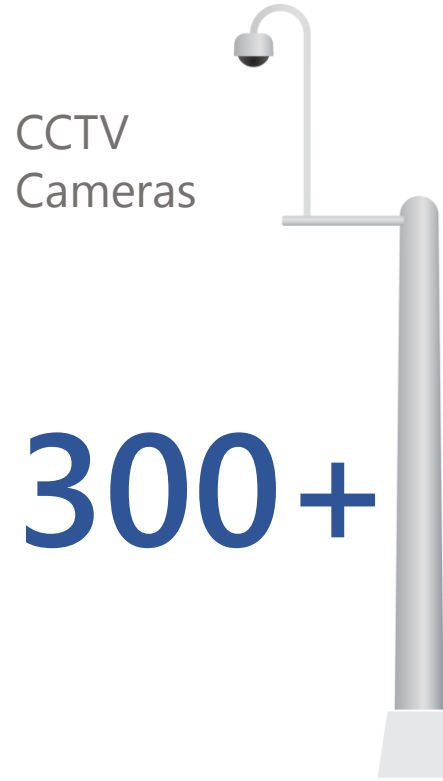
Signalized Intersections



Ancillary Structures



CCTV Cameras



Flashing yellow arrow (FYA)

HVS backplates

Accessible Pedestrian Signal (APS) upgrades

2070 controller upgrades

Communication/broadband upgrades

HAWK signal

Ramp metering

Special studies

We Serve Four Counties



Loudoun



Prince William



Fairfax



Arlington

Improvements & Advancements

Webpage: Improving Communications

VDOT Virginia Department of Transportation

Northern Region Operations
Public Files

VDOT Homepage

- Home
- NRO Practices
- 2015 Signal Industry Workshop
- 2016 Signal Construction Industry Forum

Questions?
For questions regarding use of this website, contact [Michelle Cavucci](#) via email.

Useful Links

- [VDOT Traffic Engineering Division](#)
- [VDOT Traffic Engineering Design Manual](#)

VDOT Northern Region Operations Public Files

Welcome to the Northern Region Operations public file-sharing website. This site contains reference files and region-specific guidelines for use by the industry. You will find files here related to traffic engineering regional practices, the permit process for signals, signal timing, and design preferences, as well as materials from previous and upcoming events led by Northern Region Operations and Traffic Engineering teams.

We appreciate your interest in this information as it relates to your projects on VDOT-maintained roadways in Northern Virginia. If you have any questions related to the document content on this website, please contact [Tina Ho](#) via email.

Public File Categories

- [NRO Practices](#)
- [2015 Signal Industry Workshop](#)
- [2016 Signal Construction Industry Forum](#)

HMMS – Highway Maintenance Management System



Today

- We value the hard work and expertise of all stakeholders

Designers

Suppliers/Fabricators

Inspectors

Developers

Maintenance

Contractors

Operations

Localities – Fairfax, Loudoun,
Prince William, Arlington

THANK YOU!

- The goals of this forum
 - Promote open dialogue & understanding
 - Offer clarity on recent and upcoming changes to policy, standards, and specifications



Housekeeping

- Sign-in sheet
- Break
- Facilities
- Saving Q&A for the end



Agenda

- Signal Technology Advancements
 - Hari Sripathi, P.E., Emerging Technology Deployments Director
- Central Office Perspective – Statewide Updates
 - Traffic Engineering Updates – Marc Lipschultz, P.E., PTOE
 - Ancillary Structures Design Updates – Karl Larson, P.E.
- Break
- Design Considerations and NoVA Lessons Learned
 - Signal Design Considerations – Michelle Cavucci, P.E., PTOE
 - Broadband Communication Transportation Management – Brian Stotler
 - Signal Inspections Lessons Learned – Cliff Merrick
- Open Forum Q&A
- Wrap-up



Traffic Signal Technology Advancements

Hari Sripathi, P.E.

Director of Emerging Technology Deployment

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