Northern Region Signal Plan Review Process

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1. Plan Submittal

- Where should signal plans be submitted to?
  - Land Development or Permits (for developer projects)
- Two Stage Submittal (Preliminary and Final)
- Preliminary Plan
  - Intersection geometrics, such as edge of pavement, curb& gutter, median, sidewalks, etc.
  - Right-of-way and utilities
  - Posted speed limits and loops
  - Lane configurations with turning movement arrows
  - Stopbars and crosswalks
  - Poles and controller cabinet
  - Signal heads
  - Signs to be installed on mast arms
  - Phasing Diagram
  - AutoTURN plot for turning movements
  - Left-turn phase determination (if applicable)

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- Final Plan
  - Submit final plan with response to comments on preliminary plans
  - If there are questions/concerns with any comment on the preliminary plans, contact VDOT and discuss before final plan submittal to avoid repeating comments
  - Complete the signal design with all elements on plan and submit with supporting documents (clearance interval calculations)
  - Signal plans are valid for one year from the date of approval.

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2. General Comments

- For new signals, submit a cover letter along with preliminary plan indicating if and when a signal warrant study and access management exception request (if applicable) have been approved by VDOT
- Submit preliminary plan and final plan separately
- Submit response to comments with each plan resubmittal
- Signing and markings design should typically be separated from signal plan
- Traffic analysis supporting proposed lane configuration changes may be requested by the reviewer on a case-by-case basis
- Overhead street name signs on mast arm
  - Submit sign design with preliminary plan
  - Specific sign dimensions need to be shown on signal plan
- Necessary geometrics changes identified during signal plans review should be incorporated into construction even if site plan has been approved.

Questions?