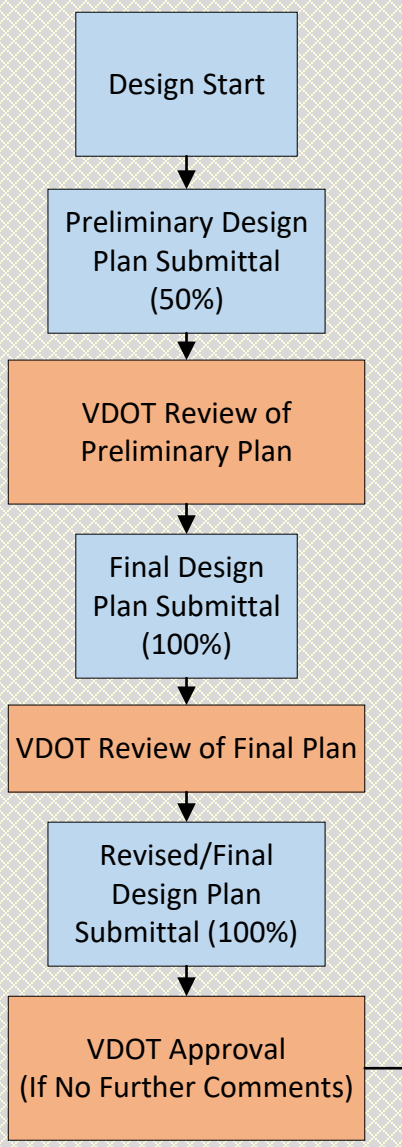


Permit Traffic Signal: VDOT NoVA Design & Construction Process

DESIGN



Contact VDOT NRO Communication Group 90 Days Prior to the Start of Construction Work

Independent Activity by Permittee to Initiate Contractor

VDOT Northern Region Operations Public Files

- <https://projects.vhb.com/vdotnova/default.asp>

See 2015 Signal Industry Workshop Files 04 Plan Review Process – Fan

Traffic Engineering Design Manual

- <https://virginiadot.org/business/locdes/traffic-engineering-manual.asp>

Design Plan Contents

- Right-of-Way & Utilities
- Intersection Geometry
- Signal Heads
- Phasing Diagram
- Lane Configuration with Turning Movement Arrows
- Electrical Service Source
- Posted Speed Limits & Loops
- Stopbars, Crosswalks, & Controller Cabinet
- Signs to be Installed on Mast Arms
- AutoTurn
- Left-Turn Phase Determination
- Signal Poles, Mast Arms, Pedestal Poles

VDOT Northern Region Operations Public Files

- <https://projects.vhb.com/vdotnova/default.asp>

See 2015 Signal Industry Workshop File 05 Change Clearance Interval & Ped Timing – Vu

Traffic Engineering Design Manual

- <https://virginiadot.org/business/locdes/traffic-engineering-manual.asp>

References & Resources

See the latest Instructional & Information Memoranda & NRO TEPs

IIM-TE-Memos:

- http://www.virginiadot.org/business/traffic_engineering_memoranda.asp

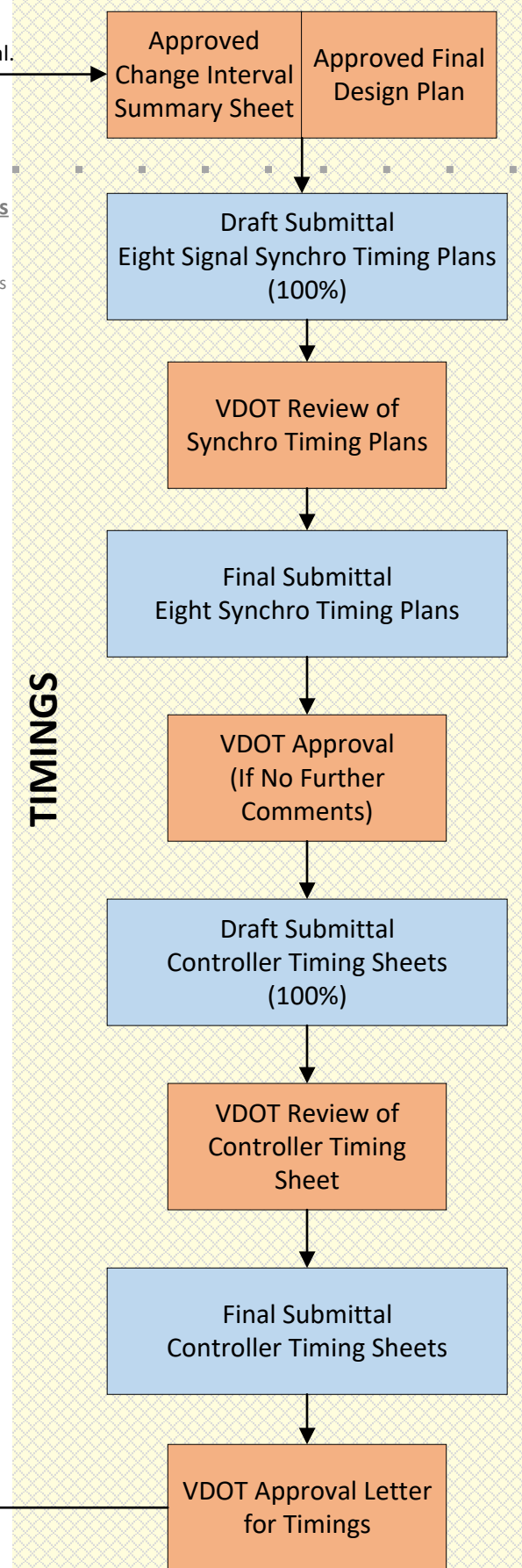
NRO TEPs:

- <http://projects.vhb.com/vdotnova/nro-practices.asp>

Signal plans are only valid for **18 months** from date of approval.

See document Permit Process for Traffic Signal Construction.

Submit Draft Synchro Files to Permit Office No More Than 6 Month Prior to Project Completion and No Less Than 60 Days Prior to Signal Activation

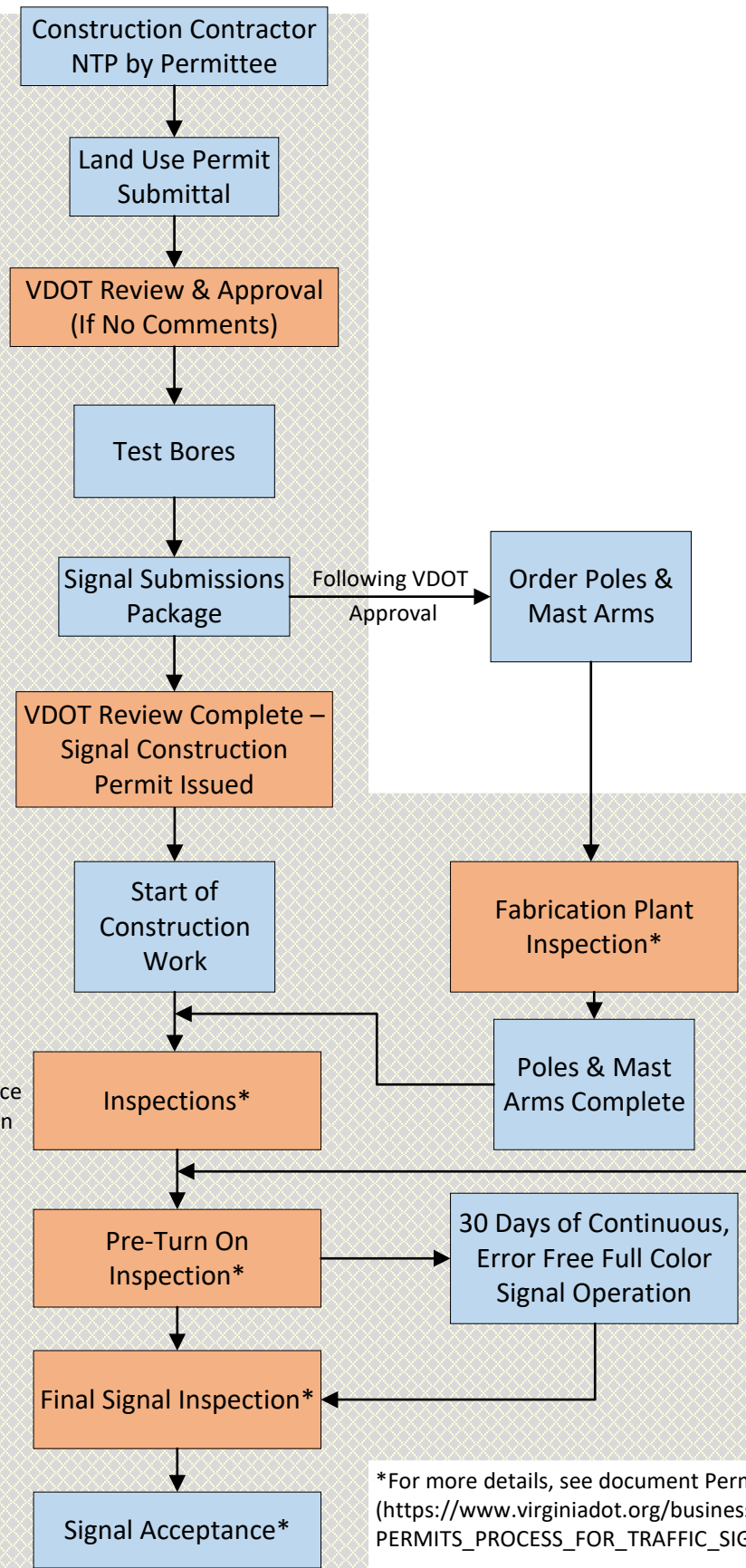


VDOT Northern Region Operations Public Files

- <https://projects.vhb.com/vdotnova/default.asp>

See NRO Practices page, NRO Guidelines for Traffic Signal Timing Plan Submission Process

CONSTRUCTION



- Foundation
- Electrical Service
- Communication
- Structural

*For more details, see document Permit Process for Traffic Signal Construction.

(https://www.virginiadot.org/business/resources/NOVA_FairfaxPermits/PERMITS_PROCESS_FOR_TRAFFIC_SIGNAL_CONSTRUCTION.pdf)