



## **Traffic Signal Timing Plan Submittal Northern Region Operations**

**Ta-Cheng Hsu**

# Traffic Signal Timing Plan Submission Process

## 1. Submittal Time Frame

- Not to exceed 6 months prior to project completion, and
- At least 60 days prior to the activation of the traffic signal  
(Submit Timing adjustments during construction for review/approval)

## 2. Relevant for:

- Projects under Permit, Location and Design, and Construction
- New, Existing, or Temporary Signal Installation/Modification within the NRO

## 3. Cost coverage

- Non-bid item in Trans\*port for Signal Timing and Optimization Engineering Support Services. This is to cover the costs of signal timing by the Design Engineer of Record or an Engineer from an on-call contract for signal timing during the construction phase

# Traffic Signal Timing Plan Submission Process, Contd.

## 4. Submit Traffic Signal Timing Data for Review and Approval

- Final Approved Signal Plan for verification purpose
- Eight (8) Time-of-Day Timing Plans in latest Synchro (collect traffic counts)
  - Four Weekdays – AM, MD, PM, Off-Peak
  - Four Weekends- Saturday Peak, Sunday Peak, WE Before Peak, WE After Peak
- 170/2070 Controller Timing Sheets

## 5. Implementation

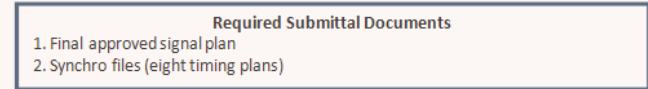
- Signals within the Project Area: The contractor is responsible for implementing the timing into controller
- Adjacent Signals out of Project Area: If timings at adjacent signals need to be modified, then VDOT is generally responsible for implementing the timing at adjacent signals, in coordination with the contractor

# Traffic Signal Timing Review Flowchart

## Step 1:

- Submittal files

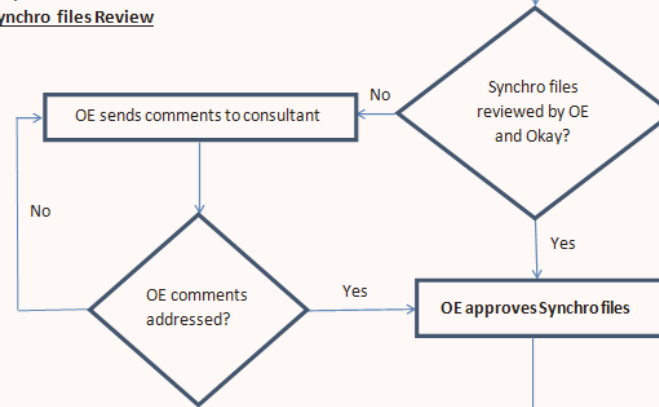
Step 1:  
Receiving Submittal



## Step 2:

- Synchro review

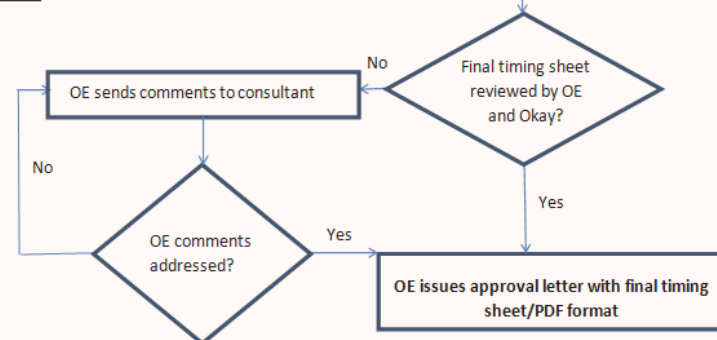
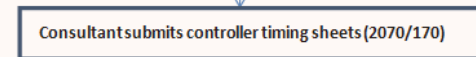
Step 2:  
Synchro files Review



## Step 3:

- Timing Sheet review and approval

Step 3:  
Timing sheet Review and Approval



## Questions?