

The HALIFAX logo is displayed in white, uppercase, sans-serif font against a dark blue background. The background of the slide features a large, abstract graphic composed of several overlapping triangles in various shades of blue, creating a dynamic, geometric pattern.

Port Wallace Master Plan Area

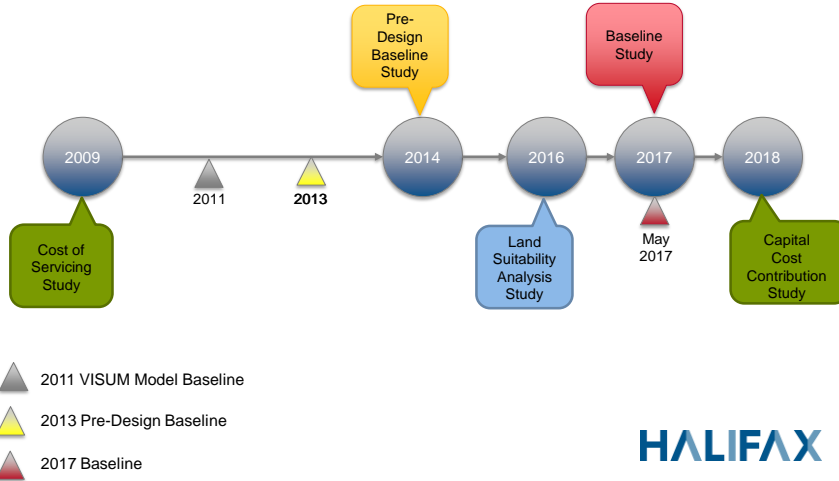
Baseline Study
Transportation Analysis

April 12, 2018

- **Why did the City not use the latest traffic volume data from NSTIR?**
 - The CBCL traffic analysis was completed by September 2017. The NSTIR traffic count was taken in October 2017.
 - The time-frame from start of Pre-Design Baseline study to the completion of the Baseline Study was 4-years. This makes it difficult to select a baseline traffic volume because the Baseline Study used data from the Pre-Design baseline Study as well as previous studies.

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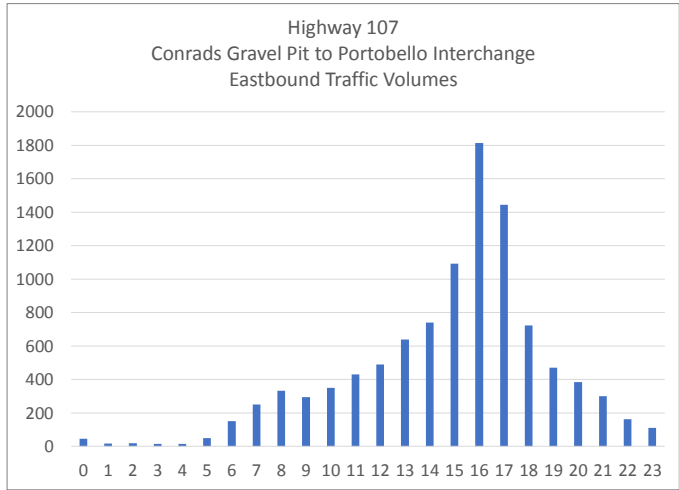
Port Wallace Timeline



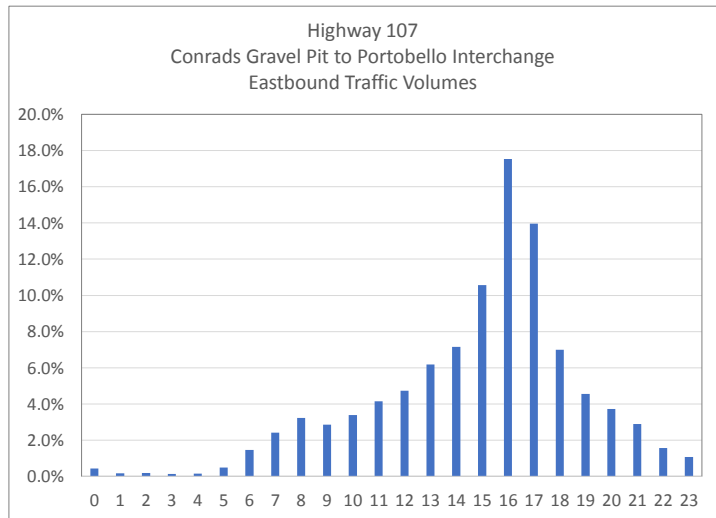
- **So what are the peak hour volumes on the Forest Hills Extension?**

- It depends on the time of the day, the day of the week, and the month.
- The NSTIR counts represent a one week sample of the entire year.

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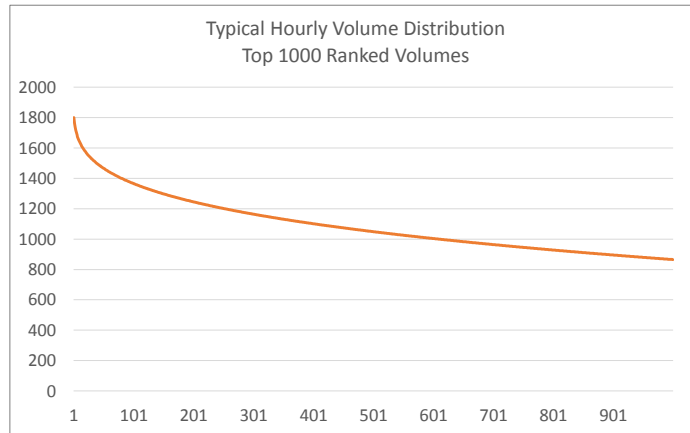


Source: NSTIR

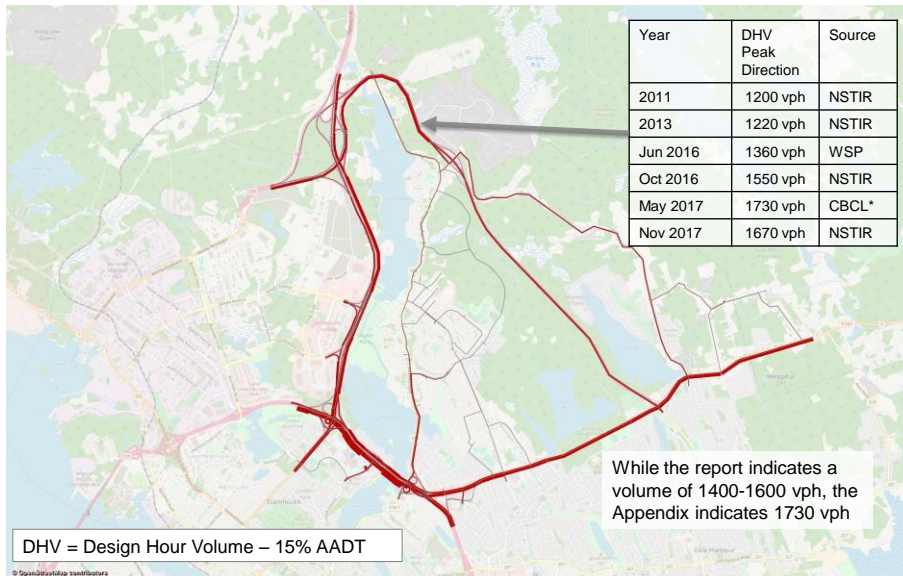


Source: NSTIR





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- **So what are the typical peak hour volumes on the Forest Hills Extension?**

- Since we don't have access to 24/7 traffic data for the entire year, our best guess is that it is between 1400 and 1600 vehicles per hour (vph) in the peak hour direction.
- Traffic volumes in the spring and fall tend to be higher while volumes during the summer and winter months tend to be lower.
- Traffic volumes on Fridays and holidays tend to be lower
- For modelling purposes, we have used 1700 vph.

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- **What other factors that could reduce future peak hour traffic volumes on the Forest Hills Extension and Waverley Road?**

- Non-Auto Mode Choice (0-10%)
- TDM Programs (0-5%)
- Decreasing Household Size (0-4%)
- Increase in Senior Citizens (0-6%)

- Totals (0-25%)

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- **Why did the City use a 1% traffic growth rate given that Burnside and the Airport continue to grow?**

- The traffic growth rate listed in the report refers to the background growth rate which does not include the traffic generated by Port Wallace.
- The forecast traffic growth rate (background plus site traffic) is about 2.5%.

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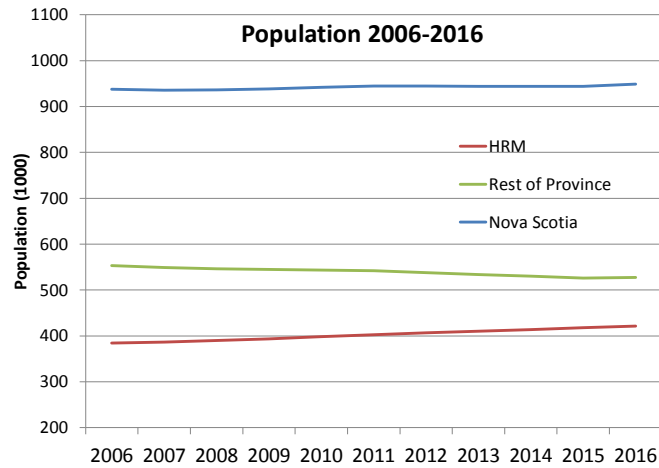


- **Why did the City use a 1% traffic growth rate given that Burnside and the Airport continue to grow?**

- Studies have shown that there is a direct correlation between population growth and traffic volume growth. The projected population growth rate for HRM is about 1%
- The 6% average annual growth rate for the period from 2011 to 2017, as reported by NSTIR, is unsustainable

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Source: Statistics Canada

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- **Why was a 30-year buildout selected when developers propose half the time?**
 - Total household growth in the HRM suburbs is forecast to be about 1000 units per year for the next 15-years.
 - If Port Wallace is to build-out in 15-years, it would have to capture 25% of the new housing market.
 - There is some uncertainty as to when the Conrad, Unia, and Wheby racetrack lands (850 units) will develop.

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- **Why does the report assume that the Forest Hills Extension will be widened by 2031 when NSTIR has given no indication of this?**
 - NSTIR has confirmed that the widening is not in their current five-year plan.
 - NSTIR has a twinning program. The Forest Hills Extension was 1 of 8 highway corridors examined under the Nova Scotia Highway Twinning Feasibility Study.
 - While it was not selected for the current suite of projects, it is not unreasonable to assume that it will be included in a future capital works program over the next 15 years.

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Questions?

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