

City of
Bellevue



Transportation Commission Study Session

DATE: October 13, 2016
TO: Chair Zahn and Members of the Transportation Commission
FROM: Shuming Yan, Transportation Engineering Manager, 425-452-7858,
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SUBJECT: 2016 Transportation Concurrency Update

DIRECTION REQUESTED

- Action
 Discussion
 Information

This agenda item provides a briefing to the Commission on the Transportation Department's 2016 Currency Update Report. Staff will present major findings of the Report and answer any questions the Commissioners may have.

BACKGROUND

The Washington State Growth Management Act (GMA) of 1990 requires that local jurisdictions adopt ordinances to establish *concurrency* measurement mechanisms to determine the ability of the transportation system to support new development. The City of Bellevue's adopted Traffic Standards Code (Bellevue City Code Chapter 14.10) establishes the City's transportation concurrency standards and methodologies and compliance determination process.

Since 1991, the Transportation Department has prepared concurrency reports periodically. The frequency of updates has depended on the intensity of development activities. The primary objective is to provide a snapshot of the latest transportation system performance findings to inform land use and transportation decision-making. In addition, the concurrency report is used to identify potential problem areas so that traffic mitigation options can be explored and identified to effectively accommodate changing conditions.

INFORMATION

The 2016 report documents the analysis results for two scenarios:

- 2015 Existing Condition represents the observed 2015 or latest traffic counts and existing roadway and intersection geometries.
- 2016 Concurrency Platform includes existing land uses plus approved developments with the City’s six year CIP in place. It forms the basis for conducting the future project level concurrency analysis.

The concurrency snapshot reflects short-range projections about average traffic conditions within the city during the two-hour PM peak period. The conditions are measured using two metrics as specified in the City’s Traffic Standard Code:

- Average volume to capacity (V/C) ratios for designated “system” intersections within fourteen Mobility Management Areas (MMAs)
- The number of system intersections within each MMA that exceed the V/C ratio threshold set for that particular MMA (AKA congestion allowance)

Model analysis indicates that the 2015-2021 Capital Improvement Program (CIP) projects are expected to accommodate the increased demand associated with new development approved through December 31, 2015. All MMAs meet their congestion allowance. All MMAs are within the average volume-to-capacity (V/C) ratios allowed as well.

Concurrency Summary by MMA

MMA		Concurrency Standard		2015 Existing Condition				2016 Concurrency Platform			
		V/C Ratio	Congestion Allowance	V/C Ratio Test		Congestion Allowance Test		V/C Ratio Test		Congestion Allowance Test	
				V/C Ratio	Standard Met?	No of Intersections Below the Standard	Standard Met?	V/C Ratio	Standard Met?	No of Intersections Below the Standard	Standard Met?
1	North Bellevue	0.85	3	0.61	Yes	0	Yes	0.62	Yes	0	Yes
2	Bridle Trails	0.80	4	0.64	Yes	1	Yes	0.64	Yes	1	Yes
3	Downtown	0.95	9	0.67	Yes	1	Yes	0.72	Yes	1	Yes
4	Wilburton	0.90	3	0.69	Yes	0	Yes	0.70	Yes	0	Yes
5	Crossroads	0.90	2	0.66	Yes	0	Yes	0.66	Yes	0	Yes
6	N-E Bellevue	0.80	2	0.67	Yes	0	Yes	0.68	Yes	0	Yes
7	South Bellevue	0.85	4	0.65	Yes	0	Yes	0.68	Yes	1	Yes
8	Richards Valley	0.85	5	0.67	Yes	1	Yes	0.69	Yes	1	Yes
9	East Bellevue	0.85	5	0.78	Yes	1	Yes	0.79	Yes	2	Yes
10	Eastgate	0.90	4	0.63	Yes	1	Yes	0.64	Yes	1	Yes
11	S-E Bellevue	0.80	3	0.57	Yes	2	Yes	0.57	Yes	1	Yes
12	Bel-Red/Northrup	0.95	7	0.65	Yes	0	Yes	0.67	Yes	0	Yes
13	Factoria	0.95	5	0.77	Yes	0	Yes	0.79	Yes	0	Yes
14	Newport Hills*	-	-	-	-	-	-	-	-	-	-

* There are no system intersections in MMA 14.

RECOMMENDATION

None at this time.

NEXT UPDATE

The next currency update is scheduled for mid-2017. Staff will come back to brief the Commission on the findings when results are available.

ATTACHMENTS

None. A link to the report on the web is provided below:

http://www.bellevuewa.gov/pdf/Transportation/2016_Concurrency_Update.pdf