Redmond, Washington Multimodal Plan-Based Transportation Concurrency **American Planning** Association Washington Conference Vancouver, Washington November 12, 2009



Redmond, Washington

- Area: 16.85 sq miles
- Population: 51,500
- Employment: 80,000
 - Microsoft
 - Nintendo of America
 - Genie Industries
 - Honeywell
 - AT&T Wireless
- Urban Centers
 - Downtown



Comprehensive Plan

Goals, Vision & Framework Policies-Transportation System Characteristics:

- Convenient, safe
 Offers travel choices
 Well designed, energy efficient
- Environmentally sound
- People spend less time traveling; more time where they want to be



Transportati on Master

Balanced transportation system that:

- Supports Urban Centers
- Creates new connections
- Implements Multimodal Corridors
- Prepares for high capacity transit



Comprehensive Plan

Policies—LOS & concurrency must:
Promote desired land uses
Expand travel choices
Maintain community character
Ensure accountability



Comprehensive Plan Transportation Concurrency—Policy TR-3: Utilize a "plan-based" approach...ensure that programs, facilities & services occur in proportion to the needs of the City & pace of growth... Transportation LOS—Policy TR-4: Redmond's LOS standard is that so long as growth & transportation system development are proportionate, work in parallel and consistent with the Comprehensive Plan, concurrency

Concurrency Update

- Support City vision and goals
- Implement the 2022 Transportation Facility Plan (TFP)
- Track and regulate growth and implementation of the TFP to ensure that they are roughly proportionate
- Simple and predictable
- Be understandable: "I can explain concurrency to my neighbor"

Concurrency Approaches

Intersection Based

- Automobile focused based on PM peak hour intersection LOS
- 7 district system 4 districts currently exceed LOS standard
- Improve LOS by:
 - Expanding intersections
 - More traffic signals
- Complicated and Cumbersome
- Intersection LOS drives

Plan-Based

- Multi-modal based on PM peak hour person miles traveled (PMT)
- Citywide
- Improve LOS with 2022 TFP projects, programs, and services that add PMT capacity
- Ensure that growth and transportation improvements are proportional
- Simple and predictable





Results in Multimodal Transportati on System Performance Measures as reported in Transportatio n Master Plan and monitored in Mobility Report Card.



Results in **Multimodal** Transportati on System Performance Measures as reported in Transportatio n Master Plan and monitored in Mobility Report Card. Transportati on Facility Plan **Supplies** 70,022 **Mobility** Units to get the system performance describe in the TMP.

Thursday, December 10, 2009



Results in Multimodal Transportati on System Performance Measures as reported in Transportatio n Master Plan and monitored in Mobility Report Card.

Percent of Transportati on Facility Plan Complete determines Mobility Units supply available.

Vehicle Trip Generation Rate (PM peak hour)

- X Percent New Trips
- X Person Trip Conversion (Average Vehicle Occupancy & Mode Split)
- X Trip Length (miles)
- Person Mile Rate per Unit
- X Units of Development
- Person Miles of Travel (Mobility Unit Demand)

Developmen t	Land Use	Unit	t Proposed Concurren			
	Туре	S	Mobility Unit	Mobilit y Units	Notes	
Res. Short	SF (unit)	4	2.78	11.12	New	
	SF (unit)	(1)	2.78	(2.78)	Existing	
	Net Change			8		

Development Mobility Unit Calculator

		Mobility Units/Land Use Unit			
	Standard of	Citoquida	Urban Centers		
Land Uses	Measure	Citywide	Downtown	Overlake	
Residential					
Single Family	dwelling	2.78	2.78	2.78	
Multiple Family	dwellina	1.71	1.28	1.59	

Developmen	Land Use	Unit	Propos	rrency	
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Developmen	Land Use	d Use Unit		Propos	ed Concu	rrency
U	туре	S	s Mobil Unit		Mobilit y Units	Notes
Res. Short	SF (unit)	4		2.78	11.12	New
	SF (unit)	(1)		2.78	(2.78)	Existing
	Net Change				8	

Develo	opment Mobility Unit Calcu	lat	or			
				Mobility	Units/Land U	Jse Unit
		S	andard of	Citoreviale	Urban Centers	
	Land Uses	Measure		Citywide	Downtown	Overlake
Reside	tial					
Single Fa	amily		dweii .g	2.78	2.78	2.78
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Residential						
Single Family	dwelling	2.78	2.78	2.78		
Multiple Family	dwellina	1.71	1.28	1.59		

Developmen	Land Use	Units	Propos	Proposed Concurrency			
t	Туре		Mobility Unit	Mobility Units	Notes		
Downtown	Retail (sq	15,00	3.38	51	New		
Mixed–Use	MF (units)	150	1.28	192	New		
	Furniture (sq ft)	(4,45 0)	0.33	(1)	Existing		
	Auto (sq ft)	(6,45	4.26	(27)	Existing		
	Spc. Retail (sq ft)	(5,60 0)	3.38	(19)	Existing		
	Warehouse /Office (sq	(3,78 5)	1.50	(6)	Existing		
	Net			190	12		

Developmen	Land Use	Units	Propos	ed Concu	rrency
t	Гуре		Mobility Unit	Mobility Units	Notes
Overlake Office	Office (sq ft)	550,00 0	4.66	2,563	Vacant Site

Mobility Unit Demand Reductions

- Transportation Demand Management
 - Development site required to have a Transportation Management Plan that is enforceable, replicable and in perpetuity.
 - Strategies that result in Mobility Unit reductions applied to Mobility Unit rate per unit

Urban Centers

Mobility Unit rate per unit decreases because of shorter trip length due to more diversity, density and design of land

Testing for Concurrency Green Light Scenario

Mobility Unit Supply 4,000 MUs

Testing for Concurrency Green Light Scenario				
	1. Small Development • 4,000 MU _s - 8 MU _d = 3,992 MU			
	2. Large Development $3,992MU_s - 2,563 MU_d = 1,429 MU_s$			
Small Mobility Unit	3. Medium Development $1,429 \text{ MU}_{s} - 190 \text{ MU}_{d} = 1,239 \text{ MU}_{s}$			
Supply 4,000 MU _s	4. Remaining Mobility Units			

Testing for Concurrency Green Light Scenario					
	1. Small Development				
	• $4,000 \text{ MU}_{s} - 8 \text{ MU}_{d} = 3,992$				
	MU _s				
	2. Large Development				
Large	3,992MU _s - 2,563 MU _d = 1,429 MU _s				
Small	 Medium Development 				
Mobility	• $1,429 \text{ MU}_{s} - 190 \text{ MU}_{d} = 1,239$				
Unit	MU _s				
4,000 MU _s	4. Remaining Mobility Units				

Testing for Concurrency Green Light Scenario				
	1. Small Development			
Medium	• $4,000 \text{ MU}_{s} - 8 \text{ MU}_{d} = 3,992$ MU _s			
Large	2. Large Development $3,992MU_s - 2,563MU_d = 1.429MU_s$			
Small	 Medium Development 			
Mobility Unit	0 1,429 MU _s - 190 MU _d = 1,239 MU _s			
Supply 4,000 MU _s	4. Remaining Mobility Units			

Testing for Concurrency Green Light Scenario

Small Development
 4,000 MU_s - 8 MU_d = 3,992 MU_s

2. Large Development

• $3,992MU_s - 2,563MU_d = 1,429MU_s$

3. Medium Development

• 1,429 $MU_s - 190 MU_d = 1,239 MU_s$

4. Remaining Mobility Units

Remaining

Medium

Large

Small

Mobility

Unit

Supply

4,000 MU_s

Mobility Unit Supply 2,700 MU_s

1. Large Development

 $2,700 \text{ MU}_{s} - 2,563 \text{ MU}_{d} = 137 \text{ MU}_{s}$

Use caution – near threshold

Large

Mobility Unit Supply 2,700 MU_s

. Large Development

Large	

Mobility Unit Supply 2,700 MU_s

• 2,700 MU_s - 2,563 MU_d = 137 MU_d
 Use caution – near threshold
Medium Development
• $137 \text{ MU}_{s} - 190 \text{ MU}_{d} = (53) \text{ MU}_{s}$
Stop – One of five options 1. Supplemental mitigation
a. Construct project from TFP
b. Purchase necessary MU _s
3. Reduce development size
4. Apply TDM measures
5. Delay development
6. City or other source funds

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1. Large Development

 $-2,700 \text{ MU}_{s} - 2,563 \text{ MU}_{d} = 137 \text{ MU}_{d}$

Use caution – near threshold
 Medium Development
 137 MU_s – 190 MU_d = (53) MU_s

- Stop One of five options...
- 3. Small Development
 - (53) $MU_s 8 MU_d = (61) MU_s$

Go - Exempt, less than 25 MU_d

Mobility Unit Supply 2,700 MU_s

Small

Large

2.

1. Large Development

• 2,700 MU_s - 2,563 MU_d = 137 MU

Use caution – near threshold
 Medium Development
 137 MU_s – 190 MU_d = (53) MU_s

Stop – One of five options...

3. Small Development

(53) $MU_s - 8 MU_d = (61) MU_s$

Go - Exempt, less than 25 MU_d

4. Remaining Mobility Units
 (61) MU_s

Small

Large

Mobility

Unit

Supply

2,700 MU,

2.

16

Lessons

- You get what you measure
- Nobody cares about concurrency until you hit the threshold
- Concurrency cannot be the only performance measur
- Develop administrative guidelines
- Including TDM has to be done differently
 Scenario testing is important

Development Mobility Unit Calculator

		Mobility United and Use Unit			
I conditioned	Standard of Measurs'	Citywide	Urban Centers		
Land Users			Downtown	Overtaka	
Residential					
Single Family	dweling	2.78	2.76	2.78	
Autiple Family	dweling	1.71	1.28	1.50	
latinement Community	dweling	0.62	0.62	0.62	
Aursing Home	bed	0.48	0.48	0.48	
Congregate Care/Asst Living	dweling	0.37	0.37	0.37	
lote0Motel	100m	1.88	1.80	1.80	
Commercial - Bendues					
lank/Savings & Loan	NOFA	28.98	24.28	25.90	
Xay Care	as NOFA	15.55	15.55	15.55	
Jonary	NOFA	7.95	6.40	6.82	
Post Office	NOFA	13.02	9.83	10.48	
lervice Bation	Auti position	7.41	7.41	7.41	
Service Station/Minimart	Audi position	5.37	8.37	5.37	
Aisvie Theater	seaf	0.11	010	0.10	

lealth Club/Recount Club Commercial - Institution lementary. ligh School **Commercial** - Restaurs ant Food Restaurant Commercial - Retail Shy up to 99,999 00.000-199-999 201 010 299 100 00.000 and over comprised and invenience Mark nee Standing Discourt Ascelaneous Rel uniture Store out filming - Nam Commercial - Admin ap to 30,000 100.000-199-999 100.000-296.999 100,000 and over Antical Office/Clini Industrial JgM: Industry/M

dustral Park lanehousing/blorage Ini Warehouse For uses with Standa

CITY OF REDMOND TRANSPORTATION CONCURRENCY APPLICATION

This application provides the City of Redmond with the information needed to issue a certificate of concurrency for a development. Please complete the entire form and return it to the Redmond Engineering Services Division. After arguments is reached on the mobility unit domand for a development based on the land use type, size of development and table on the back of this application, the City will, if necessary, determine if enough mobility unit supply is available to issue a certificate of concurrency. If determining the mobility unit demand for a development requires an independent calculation a first for the requires will be required, psyable at the City Hall Permit Center.

L	Applicant name and address:	XXXX	XXXXX		
		2641	XX XX XX X	12 240	-
2	Property location:	AXAAA	×,	16.513	
	a. Property address_54	321 XX	XXX**	XX	
	b. Development name: SA	AMPLE			
	e. Assessor's Parcel Number	112345	67890		
3.	Type of development permit to be	requested: 5	ITE PLAN	ENTIN	EMENT
	Land Use Type (ITE Land Use Code)	Development Units	Mobility Unit Rate (see table on back)	Mobility Unit Demand	Notes
Proposed	Multifoanily (220) Retail (B20)	147mh 8,000	1.59 4.67	234 37	Overbike
		T	otal Proposed:	2.71	
Existing	Service Station/ Miximment (945)	B fuel positions	5.37	43	
				17	
Net N	iew Mobility Unit Demand (Total	Proposed minus 1	Total Existing: Total Existing)	271-43	= 22.6
	- Q1.	An	1	- 9	117/09
Selbra	are of Appears TVD	1 200		1000C	hid-1
For O	Hicial Use Only:	4	/	.1.1	
Mobil	ity Unit Demand calculation review	et	ials	9/17/C	9
Concs Applie	errency certificate required X Yes sation number \underline{A}	o No Me	bility Units avai	lable XYes	D No

N/Concerning/Update 2017Decementation: Admin Decid/Intel Transportation Concerning: Application 9-09 Elgit-line

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Contact Information

- Transportation Master Plan & 2007-2009 Mobility Report Cards:
 - http://www.redmond.gov/connectingredmond/ policiesplans/tmpprojectdocs.asp
- Transportation Concurrency Report: <u>http://www.redmond.gov/connectingredmond/</u> <u>resources/concurrency.asp</u>
- Transportation Concurrency Requirements: <u>http://www.redmond.gov/insidecityhall/</u> <u>permitting/ devapps.asp</u>
- Contact Information:
 - Joel Pfundt, AICP, Principal Planner
 - City of Redmond
 - 425–556–2750, jpfundt@redmond.gov

Redmond, Washington Multimodal Plan-Based Transportation APA Washington Conference

November 12, 2009



How has it been received?

Initially skeptical of change

- Since there is plenty "room" right now think it is just fine
- Like the simplicity and predictability

Concurren cy System

City of Redmond Concurrency Management System


Redmond Comp Plan Goals

- Conserve agricultural and rural areas; protect the natural environment
- Retain and enhance distinctive character and high quality of life
- Emphasize choices in housing, transportation, stores
- Support vibrant concentrations of activity in Downtown and Overlake.
- Maintain a strong economy, and provide a business climate that helps retain and attract companies
- Promote a variety of community gathering places and diverse cultural opportunities.
- Provide convenient, safe and environmentally friendly transportation connections
- Remain a community of good neighbors



Thursday, December 10, 2009

Bellingham's Multimodal Transportation Concurrency

American Planning Association

Waliskingedit Stater Cuptule

Vancouver, WA

November 12, 2009



Bellingham, WA – "City of Subdued Excitement"



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- Bellingham = 77,000 residents
- UGA = 9,000
- Whatcom County = 193,000
- Bellingham & UGA contains 45% of Whatcom County's population

Bellingham is seat of County government and has 18 of the Top 25 employers in Whatcom County, including:

- Western Washington University
- Whatcom Community College
- Bellingham Technical College
- St. Joseph's Hospital
- Bellingham School District
- City of Bellingham
- Whatcom County



Bellingham is the Regional Center for Employment, Shopping, Entertainment, Education, Medical Services



Bellingham's Urban Villages - Land Use Element



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23 "Urban Villages" suggested from 2004 "Growth Forum"

Some not feasible due to zoning, space & height limits, economics, or unacceptable impacts

Tier 1: Downtown, Barkley, Fairhaven

Tier 2: Waterfront, Old Town, Sunset, Lakeway, Northwest, North Samish Way

Tier 3: Bellis Fair, Cordata, Fountain District, Birchwood, Old Fairhaven Parkway, West Maplewood

Additional "Villages" may be possible in *recently annexed areas,* such as *King Mountain*

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TG-28: Set target goals to increase the mode share of pedestrian, bicycle, and transit trips and reduce automobile trips as a percentage of total trips, as listed below.

Mode 20041		20102	20152		
20222					
Auto	87%	84%	80%	75%	
Transit	2%	3%	4%	6%	
Bike	3%	4%	5%	6%	
Ped	8%	<u>9%</u>	<u>11%</u>	<u>13%</u>	

Notes:

1. 2004 raw data from FTA/Social Data Study 2. City/WTA recommendations based on 2004 raw data from FTA/Social Data Study



Bellingham's Former LOS, Projections, & Problems

- Originally adopted in 1995 Comprehensive Plan; Re-adopted in 2006 (for GMA compliance only)
- Based on roadway segment volume-to-capacity (v/c) ratios
- Measured only vehicle traffic on arterial streets (traffic counts)
 - LOS E (v/c .901-1.00) Peak hour traffic volumes at 90% to 100% of arterial design capacity.
 - LOS F (v/c 1.001 1.25) Peak hour traffic volumes over 100% of arterial design capacity. (Adopted standard for 13 selected arterial facilities)
- 2007 building MORATORIUM due to LOS violation on Northwest Ave
- Lasted 9 months during peak building cycle due to "once per year Comp Plan LOS amendment "



Illustration of PM Peak Hour (Rush Hour)





GMA Land Use & Transportation Elements

RCW 36.70A.70 Comp Plan – Mandatory elements.

"The plan shall be an internally consistent document and all elements shall be consistent with the future land use map."

RCW 36.70A.070 (6) requirements: "A transportation element that implements, and is consistent with, the land use element."

RCW 36.70A.070 (6) (b) "Local jurisdictions must adopt and enforce [transportation concurrency] ordinances which prohibit development approval if the development causes the level of service on a locally owned transportation facility to decline below the standards adopted in the transportation element of the comprehensive plan, unless transportation improvements or strategies to accommodate the impacts of development are made concurrent with the development."

Therefore, if the land use element calls for infill, then the transportation element, and the transportation concurrency ordinance, must support infill and LOS standards must be adopted accordingly to allow infill.

WAC 365-195-510 (3) (b) Concurrency: Levels of service should be set to reflect *realistic expectations consistent with the achievement of growth aims.* Setting such levels too high could, under some regulatory strategies, result in no growth. As a deliberate policy, *this would be contrary to the act.*

Transportation Concurrency is *NOT a regulation to stop growth*, but a *performance measure to ensure that adequate transportation facilities are available* to serve new development.

For Bellingham:

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- "Growth Aims" = Infill, Urban Villages, Multimodal, and Mode Shift
- "Adequate" means *Multimodal* Transportation Facilities
 - GMA does not define LOS standards for local jurisdictions or the methodology used to monitor, maintain, and enforce LOS
 - Mitigation only addresses the conditions that are measured Auto-centric LOS standards = Auto-centric mitigation

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Bellingham adopted LOS standards and a Transportation Concurrency system tailored to achieving *local* goals and priorities for *urban infill* and *multimodal transportation*



Concurrency Is One Piece of The Mitigation Puzzle



Integrating Land Use and Transportation Policy

Bellingham's Assumptions

- As the regional population grows, there will be more traffic congestion in Bellingham
- No Such Thing As A Free Lunch: Compact, vibrant cities <u>cannot</u> build their way out of increasing traffic congestion.
- Auto-centric LOS standards would not allow Bellingham to achieve infill goals and would not help to complete the multimodal transportation network

Balance & Tradeoffs:

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- **Opportunity:** Mixed use urban infill + multimodal facilities
- **Opportunity Cost:** Traffic congestion at peak periods of day

Counter-intuitive Effect: Infill + Multimodal = More opportunities for alternative modes, less auto dependency, less rural sprawless

Bellingham's MULTIMODAL Transportation Concurrency

WHAT is being measured?

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15 Concurrency Service Areas (CSA) [May change to 20 in 2010]

Pedestrian & Bicycle = % completeness of Ped & Bike networks

WTA Transit = seated 2-way capacity and transit ridership counts

Vehicles = pm peak hour 2-way volume-to-capacity (v/c) - HCM

How is measured data used?

"Policy Dials" = weighting factors applied based on relative importance of mode by land use environment

Convert above variables to "Person Trips Available by Concurrency Service Area" as the new LOS standard [Effective January 1, 2009]

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Note: Each CSA includes a buffer of 500 person trips to ensure that a CSA does not run out of trips prior to mitigation requirements



Multimodal Transportation Concurrency Service Areas



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5 Urban Village (Type 1) Green Concurrency Service Areas

- Downtown-Old Town-Waterfront Districts
- Barkley Village District
- WWU IMP District
- N. Samish Way District
- Fairhaven Village District

4 Transition (Type 2) Yellow Concurrency Service Areas

5 Suburban (Type 3) Red Concurrency Service Areas

Concurrency Service Area boundaries are based on:

- 53 Concurrency reviews done from June 2006 to Nov 2008
- Trans. Analysis Zones (TAZ)
- City/UGA boundaries
- Neighborhood boundaries

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- Transportation Barriers (I-5)
- Land use patterns
 - Existing zoning

Automobile & Transit Measurement Points



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Measures Auto & Transit Modes

135 Total Concurrency Measurement Points

- 89 Auto Only
- 32 Transit Only
- 14 Auto & Transit

Measurement points assigned to each CSA based on importance of facility to move people and serve new infill development (not all arterials are equal)

Bike & Ped Measures are "completeness" by CSA, not capacity



Multimodal Transportation Concurrency Policy Dials

	Transportation Concurrency Service Areas				
Mode	Type 1	Type 2	Туре 3		
Motorized					
Auto					
Mode weight factor	0.70	0.80	0.90		
Transit					
Mode weight factor	1.00	1.00	0.80		
Non-Motorized					
Pedestrian					
Percent threshold for minimum system complete	50%	50%	50%		
Person trip credit for 1% greater than minimum threshold	20	20	20		
Mode weight factor	0.60	0.60	0.60		
Bicycle					
Percent threshold for minimum system complete	50%	50%	50%		
Percent credit for 1% greater than threshold	20	20	20		
Mode weight factor	0.40	0.40	0.40		

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Calculation of Person Trips Available



Transportation Report on Annual Concurrency (TRAC)

Figure 1. 2009 Multimodal Transportation Concurrency Person Trips Available for New Development in Bellingham listed by Concurrency Service Area

2009 Person Trips Available (PTA) in 15 Concurrency Service Areas (CSA)									
Concurrency	Sidewalk	Ped	Bike Lane	Bike	WTA	Vehicle	Gross	Pending	Net
Service	Percent	Credit	Percent	Credit	Transit	Capacity	CSA	Pipeline	CSA
Area ¹	Complete	PTA	Complete	PTA	PTA	PTA	PTA	Trips ²	PTA ³
CSA 1	90.1%	480	76.5%	208	607	7,570	8,865	2,674	5,691
CSA 2	46.0%	0	66.3%	128	88	2,780	2,996	900	1,596
CSA 3	91.3%	492	70.3%	160	1,245	4,809	6,706	497	5,709
CSA 4	100.0%	600	100.0%	400	317	3,916	5,232	1,115	3,617
CSA 5	96.2%	552	91.3%	328	548	2,042	3,470	0	2,970
CSA 6	95.0%	540	96.7%	376	250	3,598	4,765	43	4,222
CSA 7	83.3%	396	93.6%	352	170	3,804	4,722	0	4,222
CSA 8	99.6%	600	87.3%	296	1,536	6,581	9,014	530	7,984
CSA 9	100.0%	600	67.0%	136	122	1,480	2,338	0	1,838
CSA 10	82.3%	384	94.9%	360	1,074	307	2,124	0	1,624
CSA 11	53.6%	48	62.6%	104	102	4,126	4,381	0	3,881
CSA 12	83.1%	396	89.4%	312	280	2,093	3,081	1	2,580
CSA 13	69.1%	228	93.9%	352	305	1,476	2,361	0	1,861
CSA 14	51.1%	12	84.7%	280	98	683	1,073	0	573
CSA 15	25.6%	0	7.3%	0	0	1,099	1,099	0	599
Citywide					Total	PTA	62,227	5,760	48,967

Figure 4. Illustrates Concurrency Service Area boundaries (CSA).

 Pending pipeline trips represent developments that have been issued a Concurrency Certificate, but have not been constructed and therefore not represented in the field data.

3. 500 PTA have been withheld from each CSA to maintain a minimum buffer of 500 PTA in each CSA.



What is TRAC and Why?

Transportation Report on Annual Concurrency (TRAC)

TRAC is Bellingham's annual demonstration to the public and the State that we are in compliance with the transportation concurrency requirements of the Growth Management Act (RCW 36.70A.070 (6)(b))

- Annual status report on performance of multimodal system
- Helps to inform 6-Year TIP planning process for capital improvements to the transportation network
- Helps with development project review to assess, track, monitor, and where necessary, provide mitigation that now can include bicycle and pedestrian infrastructure

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 Helps to implement Land Use and Transportation visions, goals and policies in Bellingham's Comprehensive Plan

- Concurrency programs must be adaptable to changing circumstances (Annexations, large redevelopments, etc) and must be flexible and nimble enough to be adjusted as needed Key = Adopt LOS in Comp Plan, but keep methodology in code
- "Right-sizing" Concurrency Service Areas (Mobility Sheds) based on land use environment helps to integrate land use and transportation policies and objectives
- Once adopted, time and implementation experience can reveal program strengths, weaknesses, and adjustments needed
- Data collection, management and administration requires committed staff time and financial resources
- Annual Report (TRAC) allows staff to recommend changes, as needed, based on experience with the program, the tracking tools being used, and whether goals are being achieved

Transportation Planning Innovation

2009 Washington APA/PAW Award for Transportation Planning

Featured in following publications:

- Urban Transportation Monitor (Vol. 22, No. 20., November 14, 2008)

- About Growth, CTED/Commerce quarterly publication (Winter 2009)
- Washington Planner, Washington APA's monthly publication (February 2009)

- *Bicycle and Pedestrian*, Institute of Transportation Engineering quarterly bicycle and pedestrian publication (Summer 2009)

- Practicing Planner, American Planning Association Professional Journal for AICP members (Vol. 7, No. 3., Case Study, September 2009)

Statewide Presentations at:

- Planning Association of Washington Annual Conference, Semiahmoo Resort, Blaine, WA; April 9-10, 2009

- Washington Chapter American Planning Association Annual Conference, Vancouver, WA; November 11-13, 2009



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Contact Information

2009 TRAC available on City web site at

www.cob.org/services/neighborhoods/community-planning/transportat

All questions regarding Bellingham's Multimodal Transportation Concurrency program should be directed to:

Chris Comeau, AICP, Transportation Planner City of Bellingham Public Works Department (360) 778-7946; or <u>ccomeau@cob.org</u>



















Concurrency Policy Framework

- Transportation concurrency can:
 - As a regulatory tool, meter and shape growth
 - Guide timing of infrastructure improvement / resource allocation
 - Exact mitigation to build the transportation system defined in the capital facilities plan
- Transportation concurrency cannot:
 - Stop growth indefinitely
 - Change the land use plan
 - Support unaffordable levels of service



<section-header> Drinciples of Concurrency Maxim #1: You get what you measure Because concurrency level of service testing is tied directly to mitigation and system improvements, the elements of the transportation system that are tested for concurrency are typically first in line for improvement Maxim #2: Techniques and Methods are Loulutonary The state of the art for measuring non-auto transportation system impacts lags somewhat behind the generally accepted practices of measuring automobile capacity impacts of individual developments



Vancouver's 1st Generation Approach

- Interim Concurrency Ordinance adopted with GMA Comp Plan in 1994.
- Standards based on individual intersection performance
 - Uses Highway Capacity Manual (HCM) methodology: signalized intersection capacity analysis
 - HCM metrics shown as Level-of-Service A-F



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Vancouver's Experience

- Single recent experience in Concurrency related moratorium (E. Mill Plain Blvd)
- Shift of thinking in some districts towards a managed and sustainable oriented policy:
 - Downtown District zonal based LOS with low standards to foster multi-modal trips to facilitate growth in CBD
 - Major corridor build-out policy; lower LOS
 - Investigating multi-modal LOS






















Policy Questions for Comprehensive Plan Update

- What should we do when concurrency outcomes contradict elements of the comprehensive plan?
 - The comprehensive plan represents a balancing of factors affecting community development and livability, concurrency, by contrast, doesn't balance– it's role is to maximize one function in its current form.
- What should we do once a corridor is "built out"?
- Is it time for a third generation concurrency policy?
 - What should it look like?
 - Less administratively burdensome, more predictable for development, fair?
 - Which policies should concurrency emphasize?

