



Transportation Concurrency: A Policy Review and Evaluation

Preliminary Recommendation

December 14, 2006

Agenda



- Process to date – where did we leave off? 5 min.
- Preliminary recommendation? 13 min.
- Next steps? 2 min.

Where did we leave off?



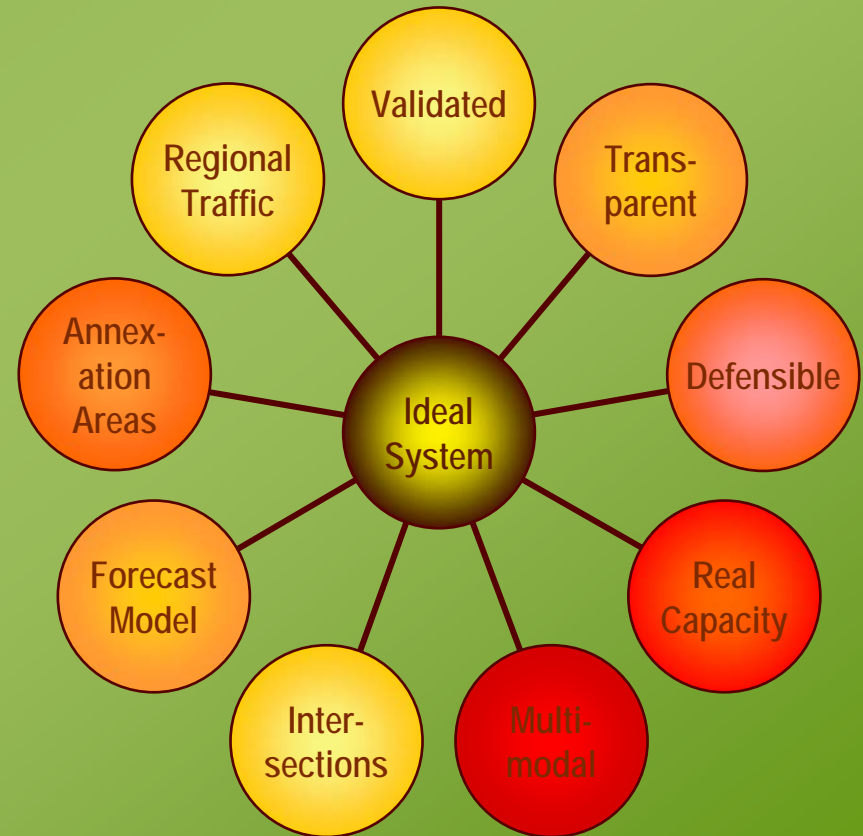
- Discussed concurrency
- Reviewed past concurrency policy decisions
- Developed evaluation criteria
- Recommended three options for evaluation
 - Existing system
 - Enhanced Delay
 - Travel Time

Where did we leave off?



- Evaluated all three systems in two ways

- Assessed an existing road and hypothetical development
- Rated each system against nine criteria



Where did we leave off?

- Newport Way assessment:

Scenario	Number of Deficient Segments		
	Existing System	Enhanced Delay	Travel Time
Total Measured Segments	5	11	11
Existing Condition	0	3	5
After Development Concurrency Run	1	5	6



Where did we leave off?

■ Nine Goals/Values Evaluation

Goal/Value	Ranking		
	Existing System	Enhanced Delay	Travel Time
Validated	1	5	3
Transparent	2	3	3
Defensible	3	4	2
Real Capacity	1	4	3
Multimodal	3	4	3
Intersections	1	5	3
Forecast Model	5	5	5
Annexations	3	2	1
Regional Traffic	1	1	1
Total Score	20	33	24



What is the preliminary recommendation?



EXISTING SYSTEM

- Strengths
 - Multimodal
 - Travel demand model
- *Unique* strengths
 - Quick turnaround for development analysis
 - Efficient for annexations

What is the preliminary recommendation?



■ Shortfalls

- ❑ Lacks operational effects of intersections
- ❑ Underestimates concurrency mitigation
- ❑ Capacity calculations based on policy
- ❑ Difficult to understand
- ❑ Difficult to address regional traffic

What is the preliminary recommendation?



TRAVEL TIME

- Strengths
 - Multimodal
 - Travel demand model
 - Corridor analysis
- *Unique* strengths
 - Easiest to understand
- Shortfalls
 - Most difficult/costly to develop and maintain
 - Difficult to address regional traffic

What is the preliminary recommendation?



ENHANCED DELAY

■ Strengths

- Multimodal
- Travel demand model
- Corridor analysis
- Easy to understand

■ *Unique strengths*

- Strong link between development and trans. improvements
- Most documented methodology
- Intersection analysis

What is the preliminary recommendation?



- System shortfalls
 - Difficult to address regional traffic

- ✓ *Enhanced Delay* recommended for further development and implementation.

What are the next steps?

ESTABLISH POLICY DIRECTION

- PPC recommendation to Council (Jan / Feb '07)
- Council review
- Council policy direction (Feb/Mar '07)



What are the next steps?

PREPARE CONCURRENCY SYSTEM

- Update the transportation model (Fall '07)
- Prepare methodology (Fall '07)
 - » Set LOS standards
 - » Identify roadways to include
 - » Select software to use
 - » Include AM peak, PM peak or both
 - » Define operational procedures
- Amend Concurrency Ordinance (Fall '07)



What are the next steps?

IMPLEMENTATION

- Implement new system (Late '07 or early '08)

