

Recent Meetings and Workshops

Since January Council briefing:

- March 3rd: Public Workshop #2
 - 99 registered
 - Continued discussion of land use and transportation scenarios
 - Initial modeling results and proposed performance metrics
- March 12th: The DelDOT-Resource Agency Meeting
 PEL discussion
- May 3rd: Advisory Committee Meeting #2
 - Recap of March workshop
 - Review of project evaluation criteria
 - Implementation Strategies review
- June 23rd : Public Workshop #3
 - 59 registered





Timeline





June 23rd Workshop Highlights

A more "technical" workshop

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- Heavy on modeling and analysis results

 Evaluation of projects using Peninsula Model using "balanced" land use forecast option
- Provided results of project performance based
 on 12 criteria
- Recommendations on projects being removed from consideration
- Received input on implementation strategies

 CCED/TID







Modeling: Recommended Land Use Forecast – Balanced Land Use





Transportation Alternatives – RTP Financially Constrained List



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Transportation Alternatives – RTP Aspirations List + Others



Transportation Alternatives – Additional Projects for Evaluation





Project Evaluation Criteria

12 Categories

- **Connectivity:** Does project provide good connections?
- Extent of Effect Person Miles Traveled
- **Congestion:** How much traffic is the right amount?
- Transit Enhancement Opportunities
- Mode Share
- Bicycle & Pedestrian Level of Traffic Stress
- Economic Development / Redevelopment Opportunities
- Safety
- **Constructability / Engineering / Legal:** challenges to constructing the proposed improvement?
- Natural Environment Impacts
- Cultural / Historic Resource Impacts
- Noise / Property Impacts





Project Rating Scale



Evaluating Bicycle & Pedestrian Level of Traffic Stress

 Bicycle & Pedestrian Level of Traffic Stress Evaluations



Churchman's Crossing Existing Bicycle Level of Traffic Stress





Evaluating Bicycle & Pedestrian Level of Traffic Stress

- Bicycle & Pedestrian
 Level of Traffic Stress
 Evaluations
- Considers Connectivity to
 - Schools
 - Community centers
 - Employment centers
 - Transit
 - -Parks





Evaluating Bicycle & Pedestrian Level of Traffic Stress

- Bicycle & Pedestrian
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Churchmans Crossing Bicycle Mobility Study



Evaluation Matrix – Analysis Results

	RATING	
Most Beneficial	Neutral	Most Adverse

		FUNDED	RTP	ASPIRAT	IONS				_						ADD	ITIONAL	PROJEC	TS								
	Transportation Improvement Alternative	RTP Financially Constrained Improvements	Churchmans Road Extended, SR 2 to SR 4	SR 273: 3rd lane NB & SB between SR 1 and I-95	Northbound I-95 Ramp to Chapman Road	SR 7 Intersections: SR 7/Telegraph Road, SR 7/Delaware Park Boulevard	Southbound I-95 Access from Continental Drive	Southbound SR 1 to Southbound I-95 Connection	Southbound SR 1 to Northbound I-95 Connection	Northbound I-95 Ramp from Churchmans Road	Southbound I-95 Ramp from Churchmans Road	Christiana Mall Access Road-Bus Only	Christiana Mall Road A Extension - East	Christiana Bypass	Eagle Run Rd. Connector to Samoset Dr. (2nd I-95 Crossing)	Brownleaf Road Extension	Opening Samoset Dr./Continental Dr.: SR 4 to Churchmans Road	Telegraph Road/St. James Road Railroad Underpass	Micro Transit (DTC)	Automated Transit Vehicles (DTC)	New bus transit routes To/from Mall and SR 7 - Pike Creek, SR 2 - Prices Corner, SR 141 & SR 273 - New Castle, US 13 - Llangollen, SR 273 - Wilton, SR 2 & SR 4 - Newark	Transit Access improvements: Bus pads, shelters, accessible pathways/routes, etc.	Pedestrian/Bicycle Improvements Along Existing Roads	Pedestrian/Bicycle Connections Serving Existing Communities	SR 273: 3rd lane NB & SB between I-95 and SR 4	SR 273 at I-95 interchange Reconfiguration
	Мар	A-R	S	U	٧	W	x	Y	Z	AA	BB	CC	DD	GG	нн	ji	JJ	КК	EE	FF	LL	MM	NN	00	PP	QQ
	Connectivity		•	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0		0		0	0
	Extent of Effect – Person Miles Traveled			٠	0	۲	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	
	Congestion				0	0			•	0	•	0	0	0	0	0	•	0	0	0	0	0	0	0	•	
	Transit Enhancement Opportunities			0	0		•	•	•	0	0			0	0	0	•	0	•	0	•	۲	٠	۲	0	0
	Mode Share		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
RIA	Bicycle & Pedestrian Level of Traffic Stress		•	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	•	•
CKITEKIA	Economic Development / Re-Development Opportunities			0	0	0	0	0	0	0	0	0	0	•	0	0		0		۲				•	0	0
	Safety		0	0	0		0	0	0	•	•	•	0	0	0	0	0	•	•	0	0	•	•	•	0	
	Constructability / Engineering / Legal		0	0	0	0	0	0	0	•	•	•	0	0	•	0	0	•	0	0	0	0	0	0	•	0
	Natural Environment Impacts		0	0	0	0	0	0	0	•	0	0	•	•	0	0	0	0	0	0	0	0	0	0	0	0
	Cultural / Historic Resource Impacts		0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise / Property Impacts		0	0	0	0	0	0	0	0	0	0	•	0	0	•	0	0	0	0	0	0	0	0	•	0
1	Cost	\$377.3M	\$85.0M	\$33.0M	\$3.8M	\$3.7M	\$2.5M	\$11.1M	\$1.9M	\$7.1M	\$25.0M	\$0.9M	\$34.0M	\$19.3M	\$54.0M	\$5.0M	\$7.2M	\$1.9M				\$5.0M	\$10.0M	\$10.0M	\$40.0M	\$37.0M



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	Connectivity		•	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0		0		0	0
	Extent of Effect – Person Miles Traveled			٠	0	۲	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	0
	Congestion		۲	•	0	0			•	0	•	0	0	0	0	0	•	0	0	0	0	0	0	0	•	•
	Transit Enhancement Opportunities			0	0	0	•	•	•	0	0	0	•	0	0	0	•	0	٠	0	•	۲	٠	۲	0	0
	Mode Share		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
RIA	Bicycle & Pedestrian Level of Traffic Stress		•	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	•	
CRITERIA	Economic Development / Re-Development Opportunities			0	0	0	0	0	0	0	0	0	0	•	0	0		0		•				•	0	0
	Safety		0	0	0		0	0	0	•	•	•	0	0	0	0	0	•		0	0	•	•	•	0	
	Constructability / Engineering / Legal		0	0	0	0	0	0	0	•	•	•	0	0	•	0	0	•	0	0	0	0	0	0	•	0
	Natural Environment Impacts		0	0	0	0	0	0	0	•	0	0	•		0	0	0	0	0	0	0	0	0	0	0	0
	Cultural / Historic Resource Impacts		0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise / Property Impacts		0	0	0	0	0	0	0	0	0	0	•	0	0	•	0	0	0	0	0	0	0	0	•	0
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Preliminary Transportation Project Recommendations

Projects dropped from consideration:

- Northbound I-95 Ramp to Chapman Road (V)
- Northbound I-95 Ramp from Churchman's Road (AA)
- Southbound I-95 Ramp from Churchman's Road (BB)
- Christiana Mall Access Road Bus Only (CC)
- Christiana Mall Road A Extension East (DD)
- Eagle Run Road Connector to Samoset Drive (2nd I-95 Crossing) (HH)
- Brownleaf Road Extension (II)

-Retained bike/ped ONLY recommendation





Potential Implementation Tools

Several tools can be used to implement the plan, including:

- » Future land use and zoning
- » Subdivision and building regulations
- » Concurrency (adequate public facilities)
- » Transportation Improvement Districts (TIDs)
- » Complete Community Enterprise Districts (CCEDs)









Potential Implementation Tools

Transportation Improvement Districts (TIDs)

- Proactively plan transportation improvements needed to support economic development
- Identify appropriate locations for economic development in a local comprehensive plan
- Outline transportation needs, improvements, schedules, and payment details

Complete Community Enterprise Districts (CCEDs)

- Encourage "complete communities" that are transitfriendly, walkable, and bikeable
- Encourage transportation improvements that can support reduced auto ownership
- Promote economic development



Intersection Needs

- 101 signalized intersections in Churchman's Crossing
- Identified 9 key intersections for detailed evaluation (Ongoing)





Ongoing Steps – Develop Preferred Concept Plan

- Final Travel Demand Model Run

 Includes only "Retained" projects
- Confirm improvements necessary to provide area-wide arterial LOS D
- Refine pedestrian, bicycle, and transit improvement recommendations
- Recommend implementation strategies

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What is Ahead?

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Questions?

www.wilmapco.org/churchmans





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