



Office of Research & Innovation
Institute for Transportation Research & Education
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To: Triangle Regional Model Executive Committee

From: Leta F. Huntsinger, PhD, PE, Associate Director ITRE

Date: April 5, 2023

Re: Triangle Regional Model Progress Report – FY23 Q3
ITRE Accounts: CAMPO (5-68306), DCHC (5-68308), GoTriangle (5-31774), and
NCDOT (5-31633)

The biggest highlight from the third quarter of FY23 is that TRMG2v1.2 was officially released to support planning work for the Triangle region. This model includes many enhancements, including a comprehensive highway and transit project manager, a disaggregate front end with an aggregate back end, and a wide variety of reporting tools to support your planning needs. Initial feedback from consulting firms supporting your work efforts has been outstanding. We continue to work on the development of reporting tools that will be released with version v1.3 which will also include the MTP amendments. Work is also underway on a fact sheet highlighting the new TRMG2 model.

The analysis into model enhancements to support improved analysis for non-motorized trips is complete and documentation is underway. The recommendations coming out of that analysis are expected to allow users to identify future roadway links with bicycle or pedestrian infrastructure in the estimation of non-motorized trips. This will supplement the off-road greenway links that are already considered in the accessibility analysis for the non-motorized model. Analysis into improved performance measures for VMT, mode share and equity has completed with remaining work focusing on tool development and documentation.

Draft data from the 4th wave of the Triangle Travel Survey has been reviewed and final data sets are being prepared. The spring User Forum focused on STOPS and included a discussion panel of STOPS experts. The meeting was well attended and we received positive feedback.

A position has been posted for a TRM Program Manager.

For detailed task accomplishments, please refer to the monthly progress reports.

Table 1 below provides a summary of percent complete by project task.



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Table 1 – Task Tracking per Quarter

Task Description	Percent Complete			
	Q1	Q2	Q3	Q4
Project Management	25%	50%	75%	
Coordination and Communication	25%	50%	75%	
Model Development	25%	50%	75%	
Model Maintenance and Applications				
Model Maintenance	25%	50%	75%	
Model Application Support				
<i>Transit Time of Day</i>	90%	100%		
<i>Non-Motorized Analysis</i>	0%	30%	85%	
<i>Jam Sessions</i>	25%	50%	75%	
Model Enhancements				
Reporting Tools	30%	60%	80%	
Investigations				
<i>Equity</i>	15%	15%	75%	
<i>VMT</i>	60%	70%	90%	
<i>Mode Choice & Transit</i>	5%	40%	75%	
Data Management				
TRM Data Repository	25%	50%	75%	
Traffic Count Data	20%	60%	NA	
Household Travel Survey	25%	75%	90%	
Data Tools and Analytics				
TRMG2	0%	0%	80%	
Transit Travel in the New Normal	0%	0%	NA	
Technical Support, Training and Outreach				
Stakeholder Planning Program Support	0%	0%	60%	
TRM Users Forum				
<i>Fall Session</i>	90%	100%		
<i>Spring Session</i>	0%	0%	100%	
Regional STOPS Model	5%	8%	20%	