

Jurisdiction and Agency Coordinating Committee Northern Virginia Transportation Authority

MEMORANDUM

TO: Martin E. Nohe, Chairman
Northern Virginia Transportation Authority

Members
Northern Virginia Transportation Authority

FROM: Monica Backmon, Acting Chairman
Jurisdiction and Agency Coordinating Committee
Northern Virginia Transportation Authority

SUBJECT: Update on TransAction 2040 (Agenda Item 5A.)

DATE: DRAFT: January 3, 2012

At its July 14th, 2011 meeting, the Authority reviewed and approved the proposed list of transportation projects that were going to be analyzed in the TransAction 2040 plan update. During this same meeting, the Authority commented on the proposed performance measures and scoring schemes to assist with ranking and prioritizing these transportation projects. After some discussion, the Authority members suggested that the project team examine the possibility of giving more emphasis on reducing congestion and reducing time spent travelling. The project team promised to incorporate input from the Authority on the performance criteria and make any necessary adjustments. The Authority approved staff's request to use the proposed evaluation criteria.

The Authority directed the project team to identify congestion chokepoints and document how these problem areas are being addressed by the plan. Under this direction, the project team will work with the Subcommittee, TAC and PCAC to discuss these chokepoints or missing transportation links in the network after the release of initial model run results. Cambridge Systematics will include a narrative about these "missing transportation links" were addressed in the plan update.

The project team informed the Authority about the interest among stakeholders to have another model run in order to prioritize projects that will yield maximum benefits on the respective transportation corridor. After some discussion, the Authority approved staff's request to amend the existing contract with Cambridge Systematics for an amount no greater than \$45,000 to fund an additional model run.

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In response to the additional model run approval, Cambridge Systematics adjusted the project schedule to accommodate this request. As a consequence, the consultant is expected to release the initial model run outputs to the project team in mid-January 2012. Upon receipt, the Subcommittee will review the output and make technical corrections, if deemed necessary. At its proposed March 8, 2012, the Authority will be briefed on the model run summary results prior to the public “open house” event scheduled for mid to late April in Falls Church. The Authority will be briefed on comments from the public at their March meeting prior to the second-model run. In May 2012, project stakeholders will review the second model-run output from Cambridge Systematics. In July 2012, other plan update deliverables will be reviewed by the Subcommittee, PCAC and the TAC. The Authority is expected to adopt the TransAction 2040 update at their proposed November 2012 meeting.

As mentioned in previous briefings, the project team has encountered delays with the release of MWCOG’s Version 2.3 model. In response, the project team directed Cambridge Systematics to use the most current version available as of September 30, 2011. The project team decided to set this cut off date because further delays or minor corrective releases would compromised the overall project schedule. Also, the project team was confident that September 2011 version will closely resemble the model version being by the Transportation Planning Board (TPB) for their CLRP conformity analysis in November 2011.

Jurisdiction and Agency Coordination Committee members, the Council of Counsels and I will attend the January 12, 2012, NVTA meeting to answer questions.

Attachments: a/s

Cc: Members, Jurisdiction and Agency Coordinating Committee
Members, Council of Counsels

TransAction 2040 Schedule

Date	Major Topic(s)
Sept. 2011	30 th - Use most current available Version 2.3 for model run at this date (Release 28)
Oct. 2011	<p>20th - Subcommittee conference call: revised project schedule / briefing to respective boards / revised project ratings / update on modeling / PCAC meeting date recommendations</p> <p>28th – <i>Note: Last date for transitioning model activity to focus on output processing (i.e., last <u>start date</u> for calculating quantitative project ratings and benefits; drafting LOS maps)</i></p>
Nov. 2011	<p>4th - Submit a draft summary of the model results (tables and graphs) for all-project run compared with our CLRP run. Project ratings and benefits calculations and LOS maps will not be part of this package.</p> <p>7th - Management conference call – discussion of draft summary model run results; scope for LOS maps; details on plans for generating project ratings</p> <p>7th – <i>Consultant Notified of Issue with Version 2.3 Release 28; suspended work that would require repeating</i></p> <p>Obtain Conformity Release of model and initiate re-do of Existing 2007, CLRP 2040, and Build 2040 runs and associated post-processing (requires additional resources or in-kind contribution)</p> <p>28th – <i>Note: Last date for starting re-do of model application</i></p>
Dec. 2011	<p>5th - TPB staff confirm 12/30 delivery plan for model results</p> <p>30th – <i>Note: Last date for transitioning model activity to focus on output processing (i.e., last <u>start date</u> for calculating quantitative project ratings and benefits; drafting LOS maps)</i></p>
Jan. 2012	<p>6th - Submit a draft summary of the model results (tables and graphs) for all-project run compared with our CLRP run. Project ratings and benefits calculations and LOS maps will not be part of this package.</p> <p>9th - Management conference call – discussion of draft summary model run results; scope for LOS maps; details on plans for generating project ratings</p> <p>16th - Submit updated summary results (revised for technical corrections or adjusted presentation)</p> <p>19th - Subcommittee meeting (Agenda: summary model results)</p> <p>31st – <i>Note: Last finish date for “Analysis of Model Output” subtask</i></p>
Feb. 2012	4 th - Submit draft model output materials resulting from Jan. 31 completion and draft Newsletter #1

Date	Major Topic(s)
	<p>6th – Management conference call to discuss</p> <p>8th - Subcommittee meeting (Agenda: quantitative and qualitative project ratings; Newsletter #1)</p> <p>3rd week in February – TAC meeting (14, 15, 16) (project prioritization and quantitative and qualitative project ratings should be available; cost/benefit ratings will still be pending)</p> <p>25th – Submit draft LOS maps</p> <p>28th (Tuesday) – Management conference call to discuss draft LOS maps</p> <p>29th – <i>Note: Last finish date for “Development of LOS maps” and “Cost/Benefit Analysis for Prioritization” subtasks</i></p>
Mar. 2012	<p>2nd – Deadline for any materials for distribution at NVTA meeting</p> <p>3rd – Submit final draft LOS maps resulting from December completion; submit cost/benefit analysis</p> <p>5th – Management conference call to discuss LOS Maps</p> <p><i>Make Newsletter #1 Available in March</i></p> <p>8th – NVTA Meeting (brief on model run summary results)</p> <p>12th – Management conference call to discuss upcoming meeting</p> <p>15th – Subcommittee meeting date: LOS maps; cost/benefit analysis; preliminary prioritization; open house preparations;</p> <p>24th – Submit draft Open House content and boards</p> <p>26th – Conference call to discuss Open House plans</p>
Apr. 2012	<p>2nd to 6th – Spring Break</p> <p>3rd or 5th - TAC/PCAC Meeting – discuss Open House content (exact date TBD)</p> <p>Mid-Month Open House (10th, 11th, or 12th)</p> <p>19th – Subcommittee meeting: preliminary second model run project list</p>
May. 2012	<p>9th – <i>Note: Brief Marty Nohe by this date</i></p> <p>10th – NVTA Meeting (brief on open house comments; final 2nd model run project list)</p> <p>17th – Subcommittee meeting: open house debrief; progress update</p> <p>26th – Submit draft Newsletter #2</p>
Jun. 2012	<p>8th - Second model run complete; begin analysis of second model run output;</p>

Date	Major Topic(s)
	<p>commence project rating and prioritization update</p> <p>18th - Management conference call to discuss subcommittee meeting</p> <p>21st - Subcommittee meeting; progress report; summary model run information; finalize Newsletter #2</p>
July 2012	<p>14th - Analysis of model output complete</p> <p>16th - Management conference call to discuss model output and meeting</p> <p><i>Make Newsletter #2 Available in July</i></p> <p>19th - Subcommittee meeting; second model run results; project rating updates; preliminary draft deliverables</p> <p>PCAC / TAC meetings - possible dates July 24, 25, 26th</p>
Aug. 2012	<p>11th - Preliminary deliverables submitted</p> <p>13th - Management conference call to discuss deliverables and meeting</p> <p>16th - Subcommittee meeting; draft plan; draft final deliverables</p>
Sep. 2012	<p>8th - Final deliverables submitted</p> <p>10th - Management conference call to discuss deliverables</p> <p>17th - Management conference call to discuss subcommittee meeting</p> <p>20th - Subcommittee meeting; final plan</p>
Oct. 2012	Endorsement of Plans
Nov. 2012	8 th - NVTA Meeting: Adoption of TransAction 2040
Dec. 2012	31 st - Contract End

Attachment II – Recommended TransAction 2040 Scoring and Weighting Process (Weight Varies by the Number of PECs Under Each Goal)

Weighting		
Performance Evaluation Criteria (PEC)	TransAction 2040 Performance Measure	Weighting (100 Points)
GOAL: Provide an integrated, multi-modal transportation system		20
Freight Movement	Project improves the capacity, reliability of freight while also improving other impacted systems such as highways or passenger rail	7
Improved Bicycle and Pedestrian Travel Options	Project supports multiple use development patterns in a walkable environment	7
Multi-modal Choices	Project creates multimodal choice for travelers as indicated by increases in non-SOV mode share	3
	Project creates multimodal choice for travelers as indicated by increases in transit capacity	3
GOAL: Provide responsive transportation service to customers		47
Urgency	Project addresses existing significant Level of Service (LOS) deficiencies for all modes of transportation	3
	Project addresses existing structural and maintenance deficiencies for all modes of transportation	3
Project Readiness	Project is able to be readily implemented as indicated by percent environmental clearance complete; percent preliminary engineering complete; or other factors (e.g., right-of-way acquired)	7
Reduce VMT	Project effects on vehicle miles traveled	7
Safety	Project improves the safety of the transportation system	7
Person Throughput	Project provides for increased person-capacity within a corridor as indicated by increases in person miles traveled by non-SOV modes	3
	Project provides for increased person-capacity within a corridor as indicated by increases in person miles traveled by SOV mode	3
Reduce Roadway Congestion	Project reduces roadway congestion	7
Reduce Time Spent Traveling	Project reduces person hours traveled	7
GOAL: Respect historical and environmental factors		7
Environmental Sensitivity	Project right-of-way impacts on sensitive areas	7
GOAL: Maximize community connectivity by addressing transportation and land use together		13
Activity Center Connections	Project improves connections between multiple Activity Centers	7
Land Use Supports Transportation Investment	Project is supported by land use plan	7
GOAL: Incorporate the benefits of technology		7
Management and Operations	Project improves the management and operation of existing facilities through technology applications	7
GOAL: Identify funding and legislative initiatives needed to implement the Plan		7
Cost Sharing	Project improves private or other outside funding	7
Project Score		100