PTRM Model Team Meeting |SUMMARY

Meeting date | time *05/16/24 | 10:00 – 11:30am* **| Meeting location** *MS Teams*

Attendance

PART: Mark Kirstner, John Kim, Snow Ou

NCDOT: Soon Chung, Sangwoo Sung, Fred Haith, Michael R. Abuya, John A. Bailey, Taegyu Kim, Pam Cook

MPO's: Hunter Staszak, Yuan Zhou, Meyer Tyler, Johanna Cockburn, Wannetta Mallette

FHWA: Suzette Morales

GUEST: Heejoo Ham, David Schellinger

Highlights

1. John Kim and David Schellinger provided the model update process for the past month.
2. MPO representatives provided the growth allocation updates.
3. Mark Kirstner and John Kim provided the information of Replica big data and discussed with NCDOT/MPO representatives about the data set.

Agenda topic *Growth Allocation Updates* | Presenter *Snow Ou, John Kim, MPO representatives*

- **Re-aggregation of Growth Allocation:** Snow delivered a presentation on the re-aggregation of growth from the fishnet grid layer to the TAZ layer. This process will ensure growth assigned to a grid cell by CommunityViz will be assigned to a TAZ with capacity.
- **Equal Distribution vs. Increment:** John explained the differences between the equal distribution and increment allocation functions in CommunityViz. Following thorough testing and review of the results, it was decided not to utilize the increment distribution method. Instead, the capacity and allocation for each horizon year were updated for each of the three runs, requiring the insertion of several additional steps in the process.
- **Winston Salem:** Hunter reported the identification of geometry issues with parcel tagging. Christian will address these issues by repairing the geometry layer.
- **Greensboro:** Yuan's team intends to revisit parcel tagging due to potential issues. They will update the division between single-family and multi-family parcels. Internal discussions are currently underway with the planning department and MPO staff, and the process will need to be re-run.
- **Burlington-Graham:** Wannetta is planning to present the growth scenario at TAC and TCC meetings. Revised parcel tagging to address a shortage of Single Family allocation will be necessary.

Agenda topic *Model Update Progress* | Presenter *John Kim, David Schellinger*

- **Tour-Based Freight Model:** John had a meeting with Colin regarding updates to the freight model. Colin explained the process for updating input files, particularly when the model area is expanded. John plans to share the meeting video with Stantec, hoping it will be helpful. Although the final model package was completed earlier this year, Colin's team is finalizing the deliverables and will send them to us shortly.

- **PTRM Model:** David delivered a presentation on the progress of the model updates, which included an analysis and adjustment of trip generation rates. He also addressed issues and limitations associated with the CBD type. Instead of using the Raleigh Area Type Model, Stantec recommended utilizing a developed area type model, a matter that will require further discussion in a technical meeting.

Agenda topic *STOPS Model* | Presenter *Mark Kirstner*

- Mark shared that the regional STOPS model is ready for use. He suggested the PART maintain and run the model. MPO's or transit agencies can provide GTFS files for system changes they want evaluated. He also said that FTA wants to do some training in the Triangle area later in the year. We will be invited to the workshop. The STOPS model is capable of projecting ridership for new routes, evaluating the impact of transit improvements in the region, and assessing the transit performance under various growth scenarios.

End of Meeting.