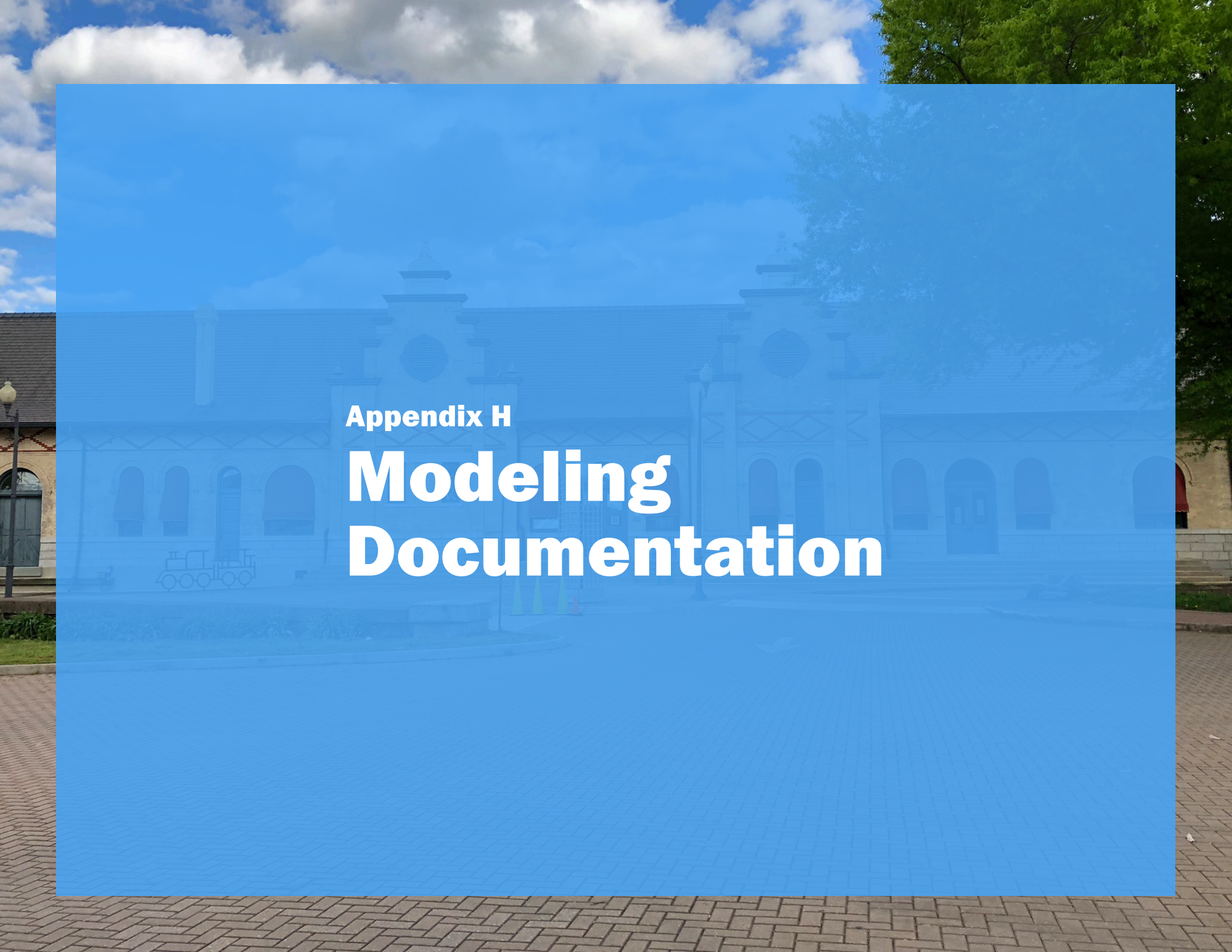

Appendix H

Modeling Documentation

MEMO

TO: David Hoback, Danville MPO
FROM: Will Cockrell, EPR-PC
DATE: October 15rd, 2019

RE: Initial Modeling Memo

PURPOSE: The purpose of this memo is to discuss the results of the consultant's review of the travel demand model, per Task 1.5 of the Scope of Work. This memo serves as Deliverable 1.3 of Task 1.

BACKGROUND: The Danville Model is a fully functional, fully calibrated model that appears to validate well at the regional level. The model is appropriate for use at all planning levels for items such as long range plan development, corridor studies and other macro level uses.

The Danville Model is a 3-step model encompassing the trip generation, trip distribution and highway assignment steps. The Model Users' guide provides information on folder layout, model steps and model execution.

ISSUES: The model comes set up with a 2016 base year and a 2045 future year which includes future projects. Model land use for the base and future years is shown below and shows a decrease in future population and an increase in future employment in the modeled area. The base year and future year population, household and employment values are depicted in the table below:

Data Point	2016	2045
Population	64,584	53,417
Households	27,957	22,973
Total Employment	29,364	34,647

The model was set up and run for both the 2016 base year and the 2045 future year. No issues were encountered and all output made reasonable sense.

ACTIONS NEEDED: There are no actions needed. If there are any comments or questions, please contact me at w.cockrell@epr-pc.com.