

Scenario Planning



What is Scenario Planning?

Our world is ever changing. Generational preferences for lifestyle shapes how we travel, where we live and work, and how we spend our time. Technological advancements offer us greater opportunities and choices in transportation. This evolution is changing the status-quo that has been relied upon for decades. Furthermore, growing concern over climate impacts and social justice are enabling policies that direct how projects are planned, designed and funded.

Planning for the future is about more than just providing safe and reliable mobility solutions. Transportation officials must also consider the Triple Bottom Line of **Environmental**, **Social** and **Economic** outcomes when advancing transportation initiatives. Scenario Planning ensures that impacts to the Triple Bottom Line are evaluated so that today's investments in transportation are resilient to the changes that will shape our future.



Looking to the Future

Because we live in a highly dynamic world, changes in human preferences over time are heavily influenced by behavioral changes, social and generational priorities, technological innovations, policy implications, and environmental sensitivities that continuously remold our way of life.





What if we could turn the dials of these variables to see how future changes might influence decision on improving the transportation system?

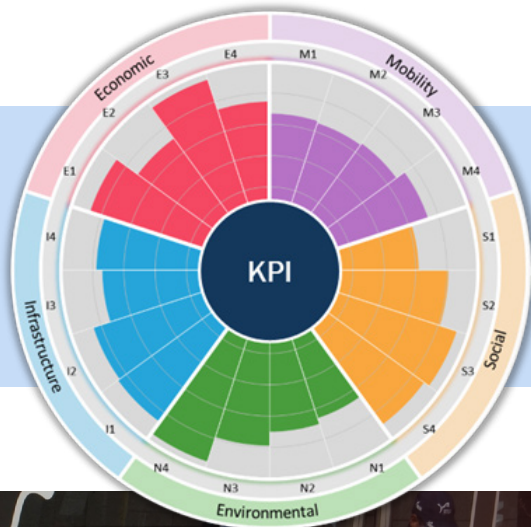
Scenario Planning allows the CTDOT to gather insights so that future transportation investments are adaptable to tomorrow's mobility needs.

-  Land Use
-  Technology Adoption
-  Population
-  Behavior Changes
-  Transportation Policy
-  Employment

How Will the GHMS Utilize Scenario Planning?

A scenario planning model is being developed for the GHMS which will measure the performance of a set of transportation improvement programs against several future scenarios. Scenarios will be defined based on:

-  Input from regional stakeholders
-  Vision and goals of the GHMS
-  Future trends
-  Identified transportation needs



The output of the scenario planning model will be only one tool that the CTDOT will use to inform decisions. **Key performance indicators** will show how various transportation programs perform relative to key scenario criteria, as shown in the example graphic to the left.



Benefits of Scenario Planning

Today's transportation decisions will shape our communities and our way of life into the future. The benefits and impacts will be felt by generations to come. It is therefore critical that the transportation investment program **that emerges from GHMS is aligned** with regional goals and aspirations and is **adaptable to accommodate the unknown** so that future infrastructure is as resilient to change as possible.