

# Transit Service Allocation Study

July 11, 2019 Technical Advisory Committee Planning Meeting



# Agenda

- Introduction
- Related Efforts
- Scope of Work

# Introduction

- There is a need to further understand the competing roles that transit is serving in the region: geographic coverage and ridership productivity
- Analysis will help understand how resources are currently allocated between competing roles
- Analysis will provide an opportunity to develop goals and policies for how regional resources should be allocated between roles in the future
- The need for this study made evident during discussions on the Regional Solicitation and the Regional Service Improvement Plan and during expansion funding discussions

# Related Efforts

- Transit Planning Basics and Values Exercise (at Council and TAB on May 15)
- Transit Values Workshop (Council and TAB members on July 23<sup>rd</sup>-24<sup>th</sup>)
- Metro Transit Network Next
  - Service Improvement Plan Update
  - Arterial Bus Rapid Transit System Update
  - Speed and Reliability Program
- Regional Solicitation Review Cycle



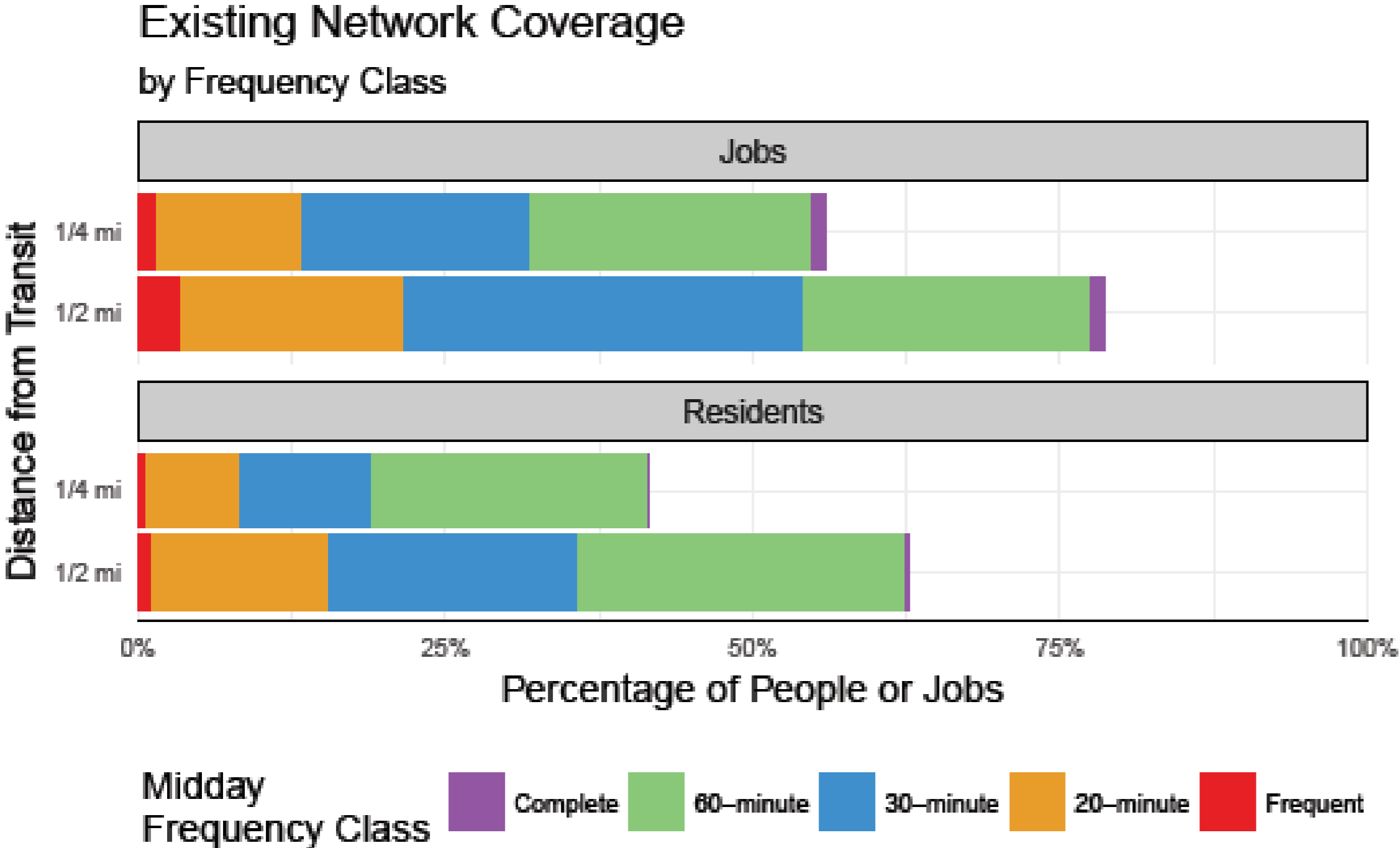
# Scope of Work

- Existing Conditions Analysis
- Alternative Scenario Development and Analysis
- Coverage Service Guidelines
- Implementation Plan
- Stakeholder Engagement

# Existing Conditions

- Analysis and documentation of the existing regional transit system
- Will focus on design, performance, and funding of existing service
- Creation of methodology for defining transit roles (e.g. geographic coverage routes, ridership productivity routes)
- Develop understanding of how resources are currently allocated between roles
- Evaluation framework to be developed
  - Access to transit
  - Equity populations
  - TBD...

# Existing Conditions



**Entire Bus Network**

**Local Bus Network**

|              |     |           |     |
|--------------|-----|-----------|-----|
| Local System | 93% | Ridership | 70% |
| Express      | 7%  | Coverage  | 30% |

Figure 62: Ridership / Coverage Split Table

# Scenario Analysis

## What is it?

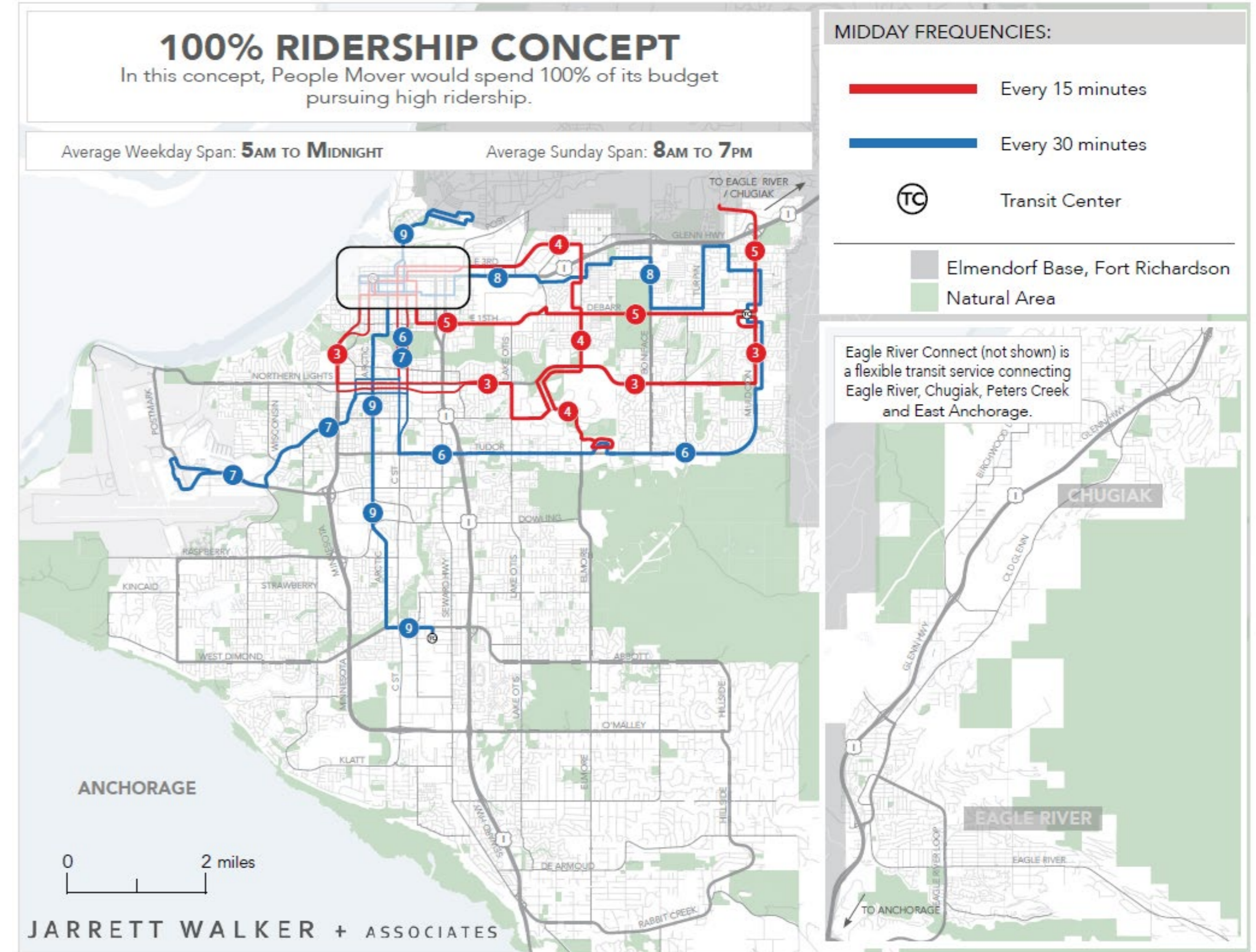
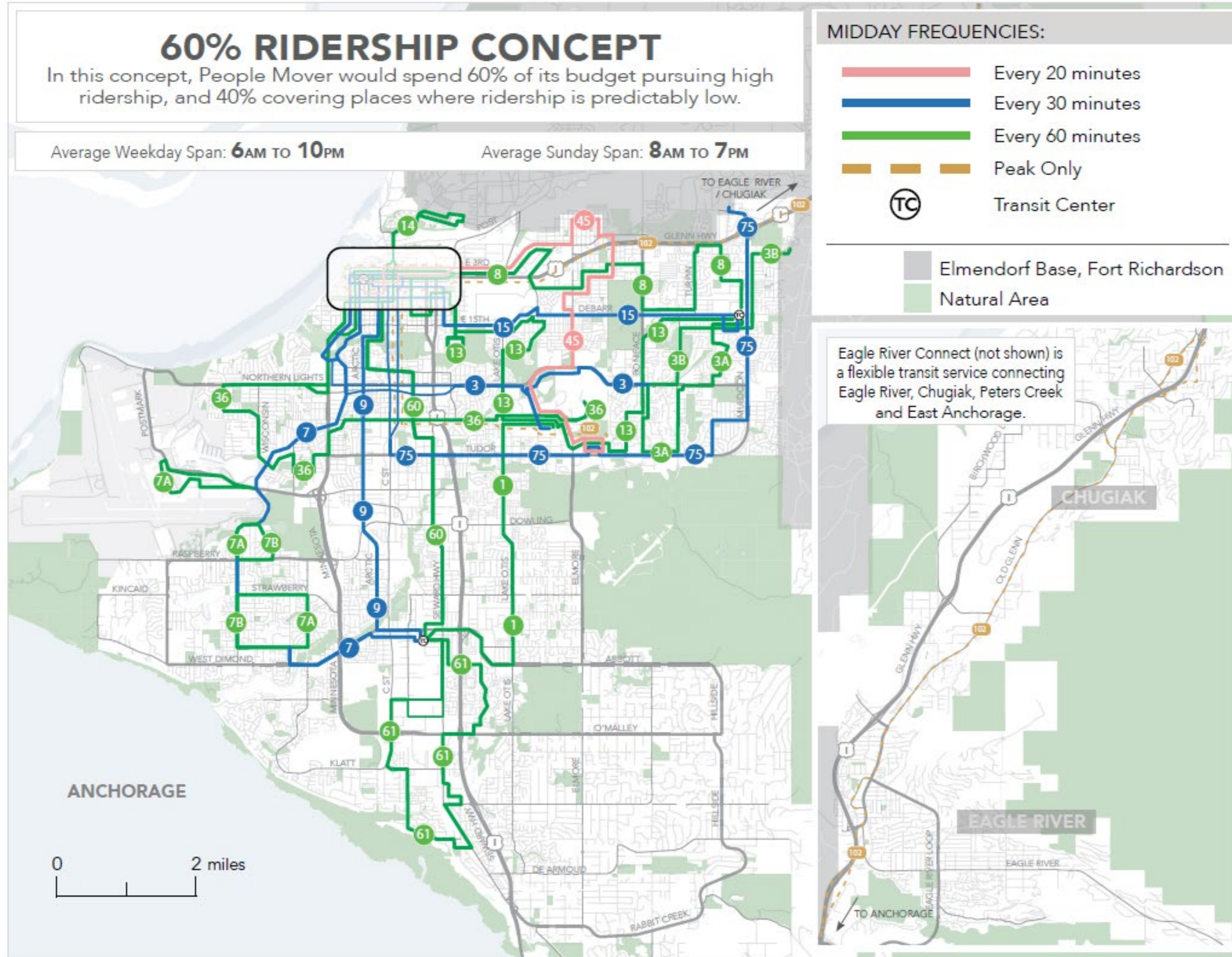
- Analysis of high-level scenarios of networks with different allocations of resources to ridership- and coverage-based services
- Each scenario will be analyzed under same evaluation framework as existing conditions
- Scenarios developed via collaboration between consultant and regional staff, following direction from policymakers
- Will be presented to policymakers to aid in the development of resource allocation goals and strategies

## What is it not?

- Restructure of the existing transit system
- Detailed and specific route planning exercise
- Replacement for transit provider service planning processes

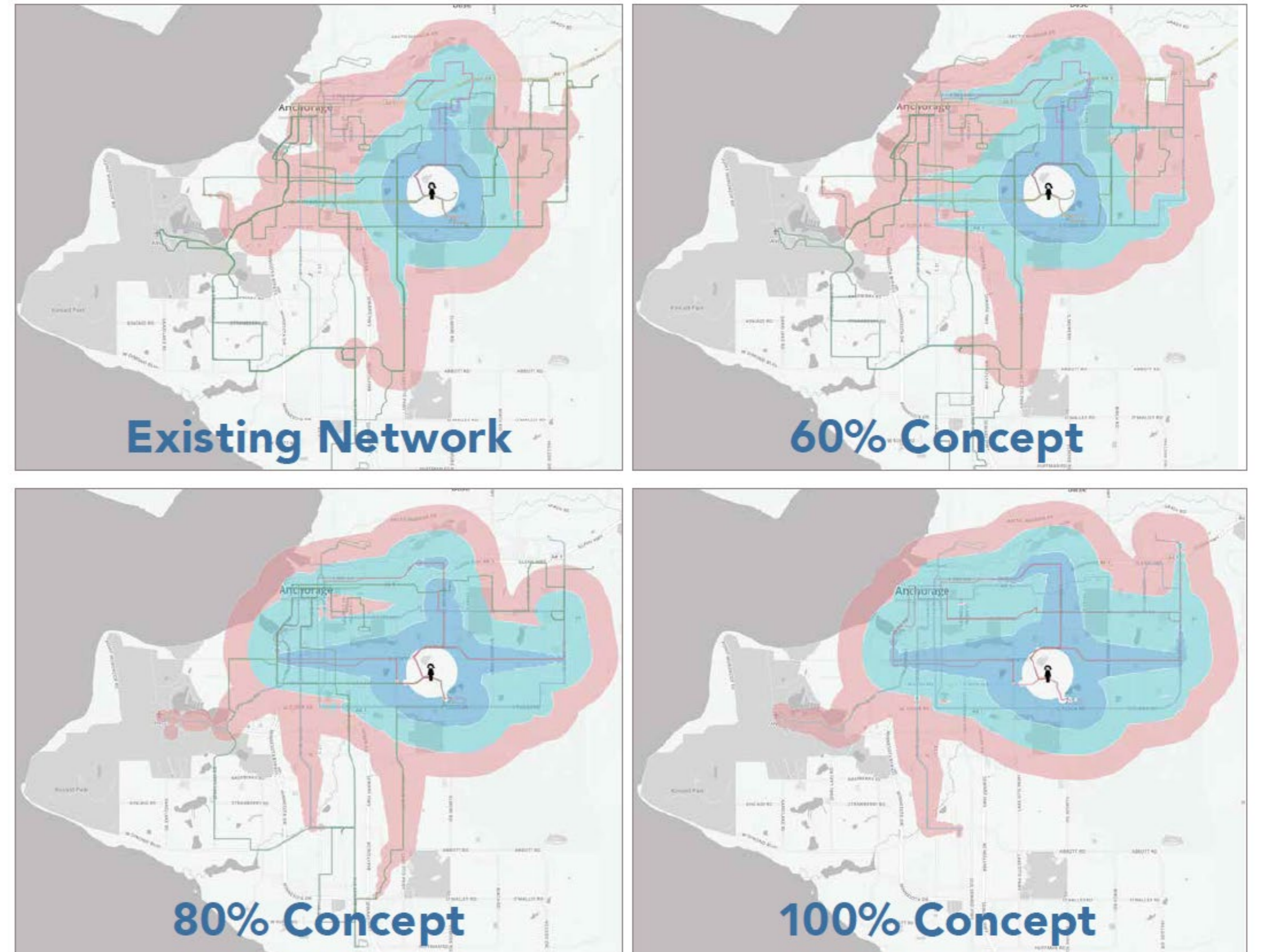
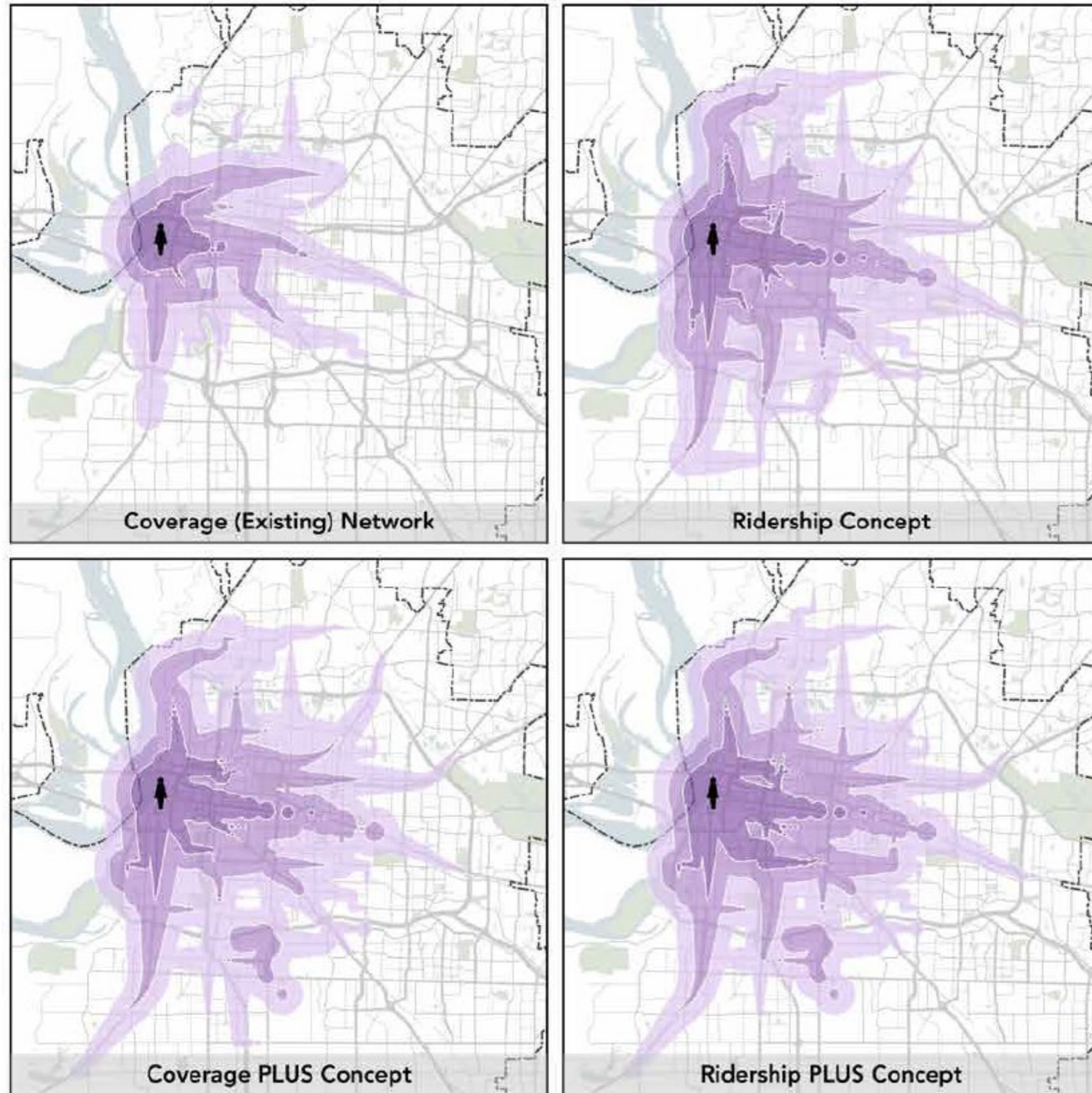


# Scenario Example





# Analysis Example

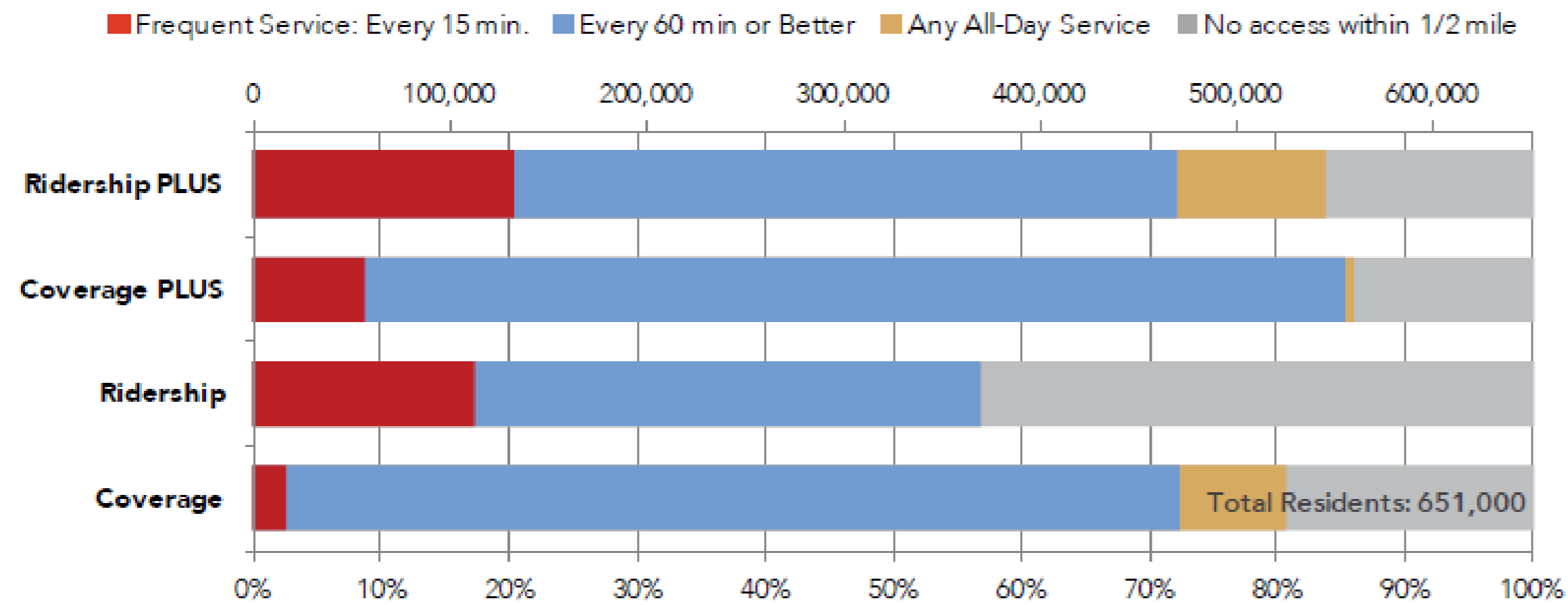




# Analysis Example

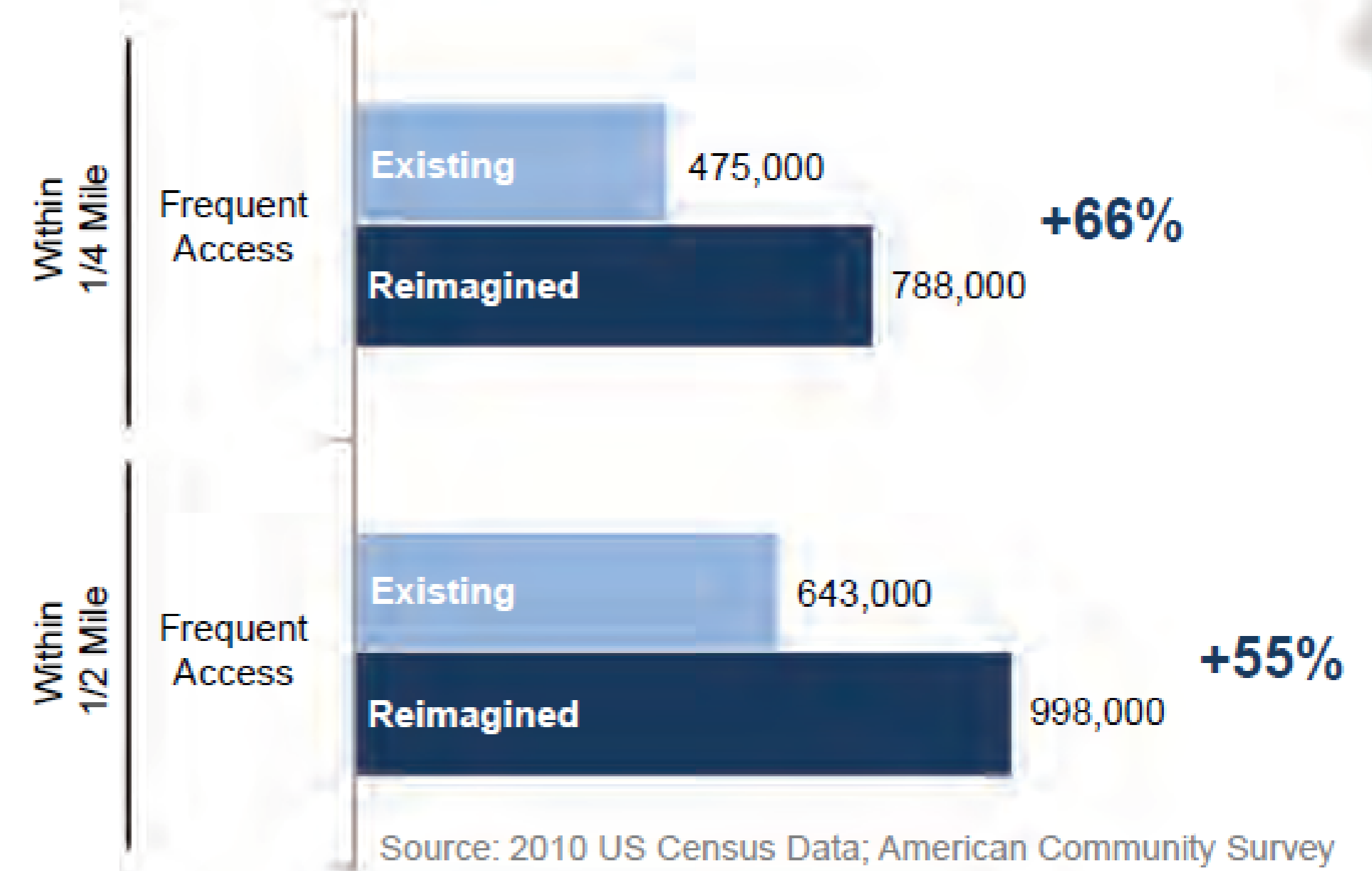
## Residents with Access to Transit

within 1/2 mile of a Transit Route in Memphis, TN



## Frequent Access: Jobs

Total METRO Service Area Employment: 1.8 Million



# Coverage Service Guidelines

- Define what goals are for coverage services in the region and how to achieve those goals
- Develop metrics for evaluating the performance of coverage services
- Develop metrics for evaluating investments in coverage services
- Strategies for providing transit service in areas not served by fixed route services



# Final Report & Implementation Plan

- Summarizes project efforts
- Implementation Plan will outline how to implement resource allocation goals and strategies
- Implementation tools include:
  - Service Design Policies
  - Regional Transit Performance Metrics
  - Investment Prioritization Methodologies

# Stakeholder Engagement

- Engagement efforts planned with policymakers, transit agency staff and other stakeholders
- Meetings with stakeholders to be held throughout project effort
- Workshop to be held during development of Scenarios
- Technical Advisory Committee for project to meet monthly

# Deliverables

- Existing Conditions Report
- Regional Transit Values Memo
- Scenario Analysis Report
- Coverage Service Design Technical Memo
- Implementation Plan

# Project Timeline

- Existing Conditions Analysis: September – November 2019
- Scenario Development and Analysis: December 2019 – March 2020
- Implementation Plan/Final Report: April – June 2020



# Questions

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