JUNE 2021

PierceTransit Stream

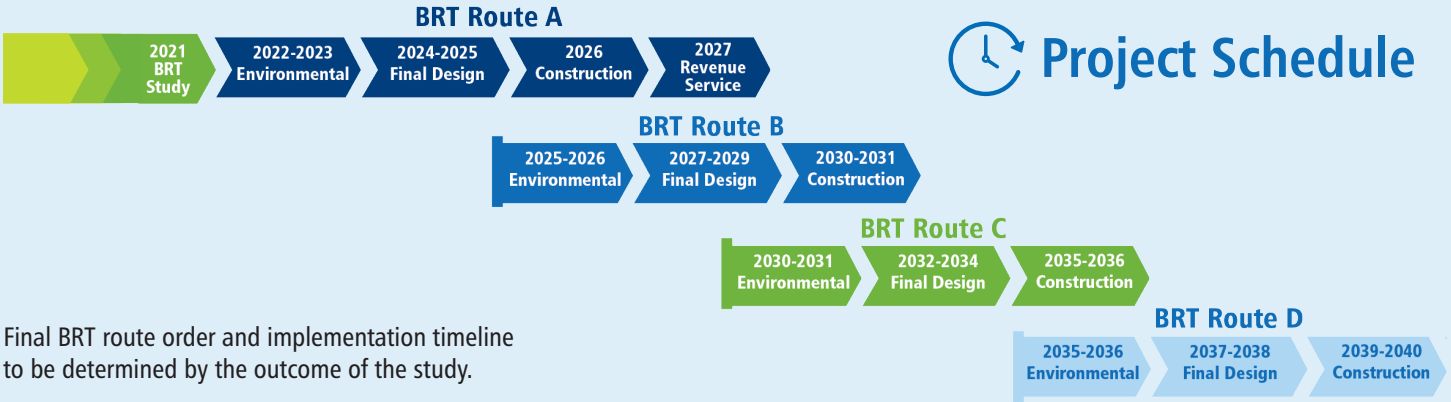
Bus Rapid Transit System Expansion Study

Bus Rapid Transit (BRT) systems are designed to carry large numbers of riders with greater speed, reliability and frequency than standard fixed route buses. In 2020, Pierce Transit updated its Destination 2040 Long Range Plan, which includes expanding BRT and the four currently high performing routes that will be evaluated through a System Expansion Study: Routes 2, 3, 4, and 402. In addition to high ridership, these four routes also have direct connections to Regional Growth Centers, including two to Sounder commuter rail stations. Furthermore, they travel along arterial corridors that have been or will be rezoned to accommodate new high-density, mixed-use infill development, including multi-family housing.

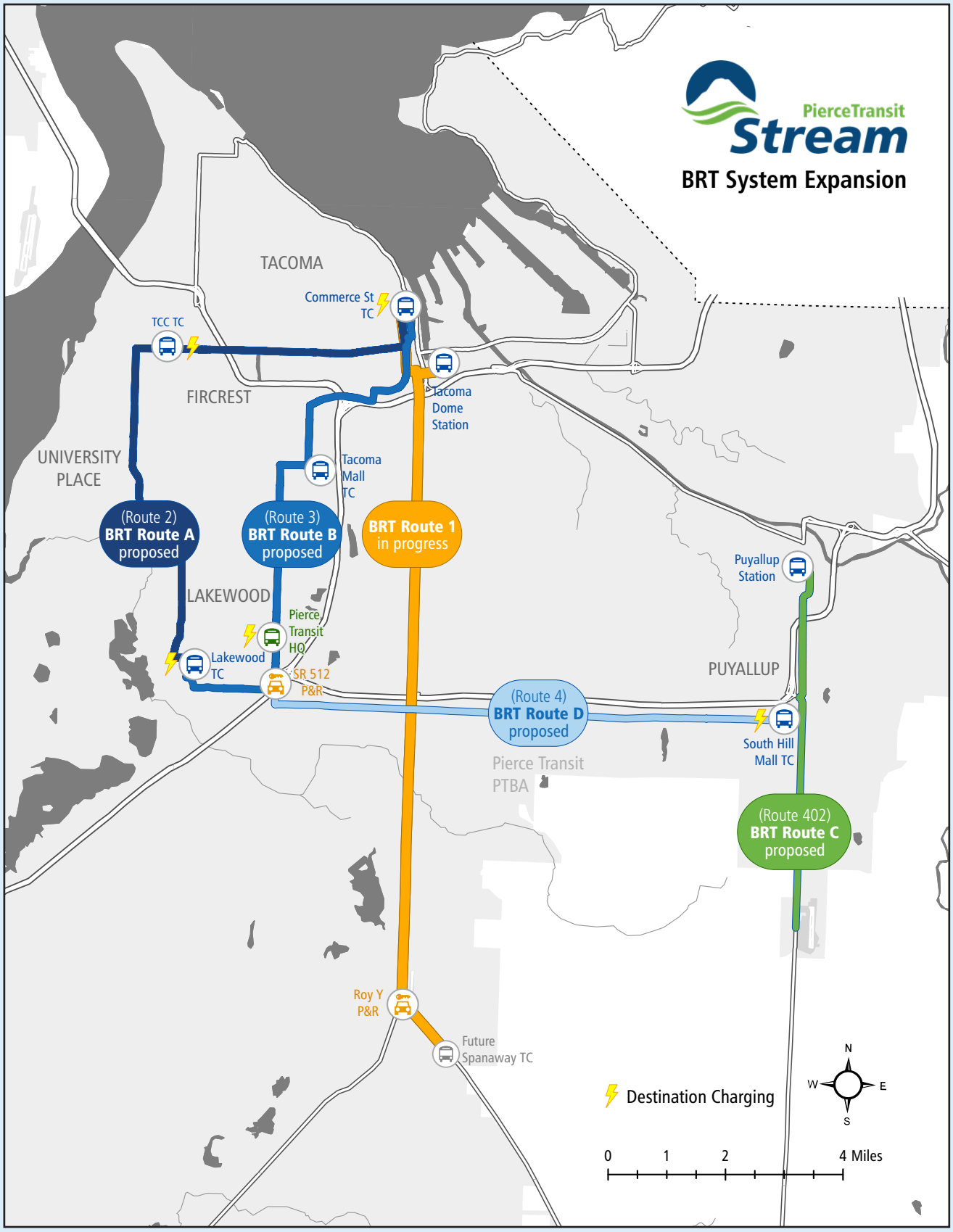
Project Objectives:

- Develop and compare a range of high capacity rapid transit alternatives and alignments to explore the feasibility of upgrading these four routes to BRT corridors.
- Create objective and quantifiable criteria for prioritizing the next four BRT routes, while also ensuring geographic equity and socioeconomic data are included in the selection criteria, in order to serve the greatest number of riders.
- Identify which new BRT route(s) have the operating characteristics to utilize zero-emissions battery electric buses (BEBs).
- Identify potential BRT station locations with optimized spacing between them to enhance system performance (e.g., faster bus travel times), along with identifying the existing fixed route bus stops that could be removed.
- Identify the non-motorized, "first mile/last mile" connections to BRT stations, including safety and direct access enhancements to each station for bicyclists, pedestrians, wheelchairs, and other mobility device users.

Project Schedule



Final BRT route order and implementation timeline to be determined by the outcome of the study.



PierceTransit Stream

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