What negative experiences are part of travel? Many factors add to negative experiences when traveling







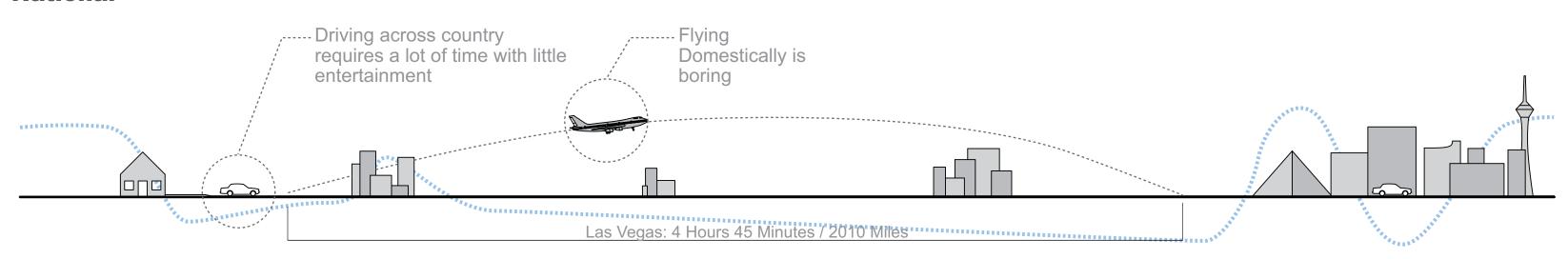


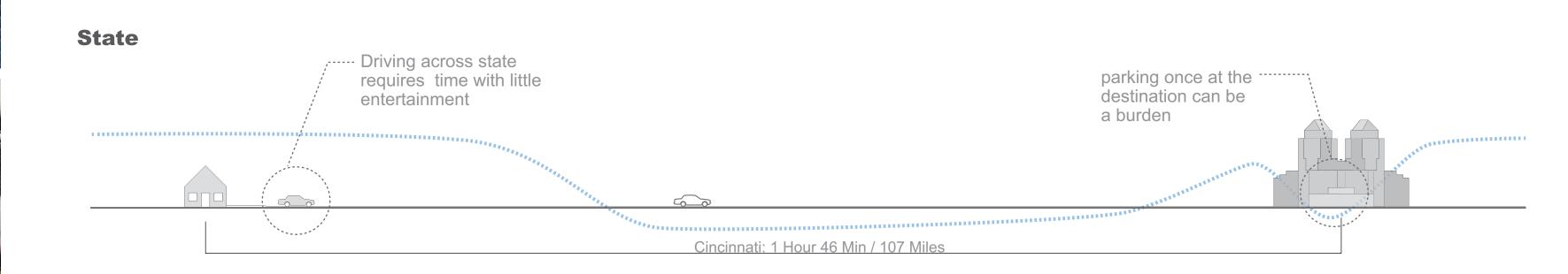


International

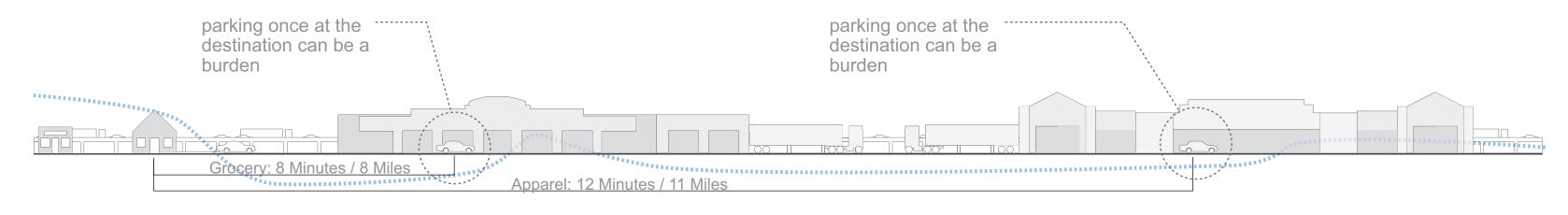


National





City



Why a Network?

A network at multiple scales would allow for usage of rail between the entire United States. The transfer points between scales allow for easy moves between the scales.

Existing System

The current Federal Amtrak system.



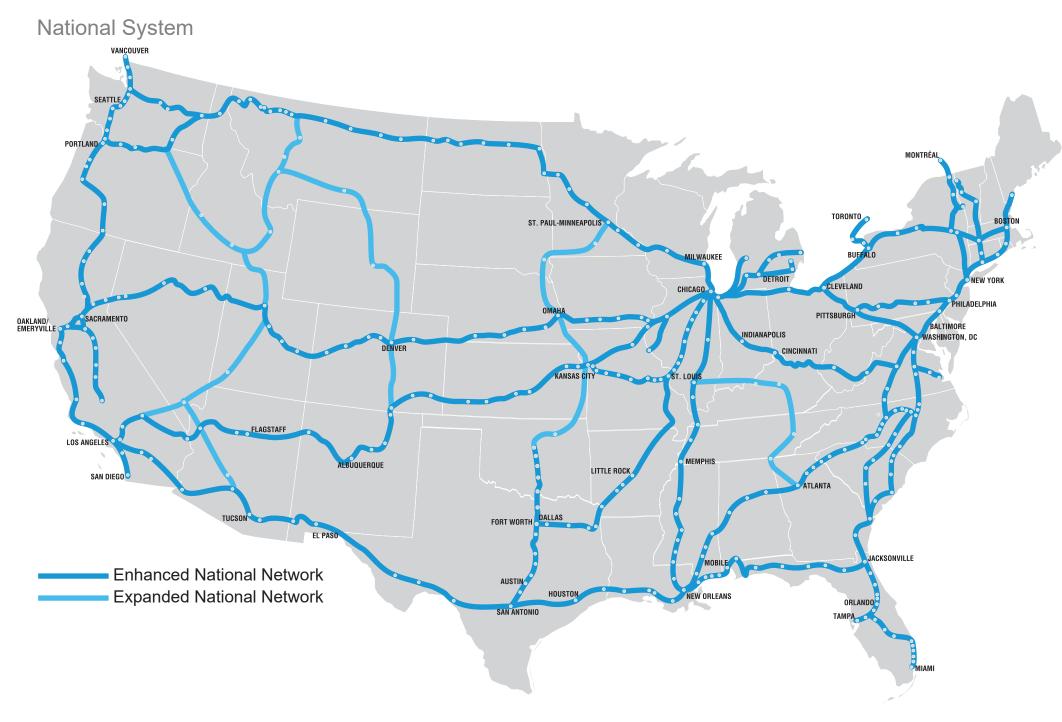
Ohio State System The Federal Government expands the current funding structure for the Interstate system to include rail infrastructure. States plan routes to link into the national system.



Enhance Current System
Enhance the system by constructing

Expand Current System
Construct new lines to allow better dedicated high speed lines around current infrastructure eliminating the include connections to each of the conflict with freight traffic.

continuity between the system and 48 states.



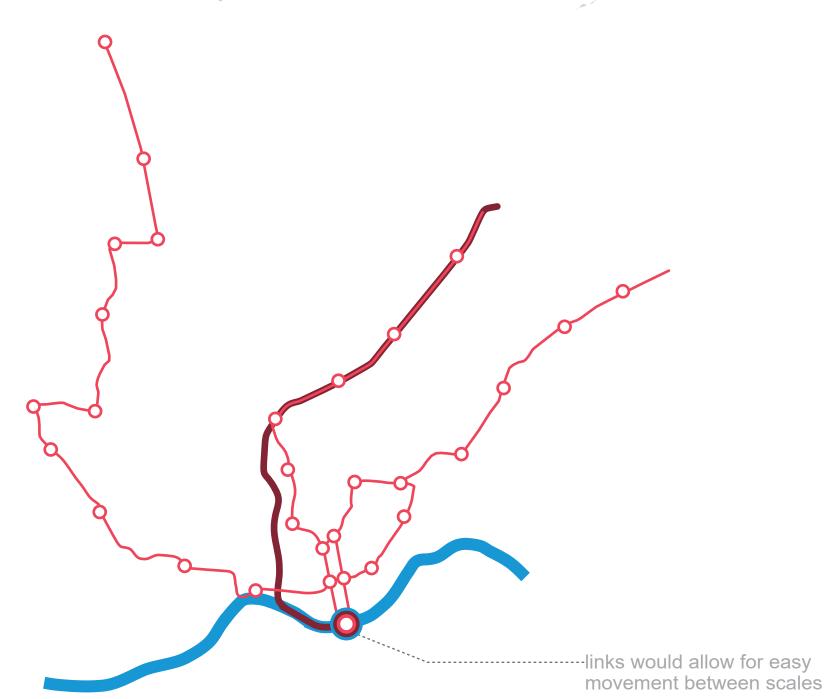
Ohio City System

Cities adapt current systems and plan new systems to link into the state system or national system when applicable.

Local Network

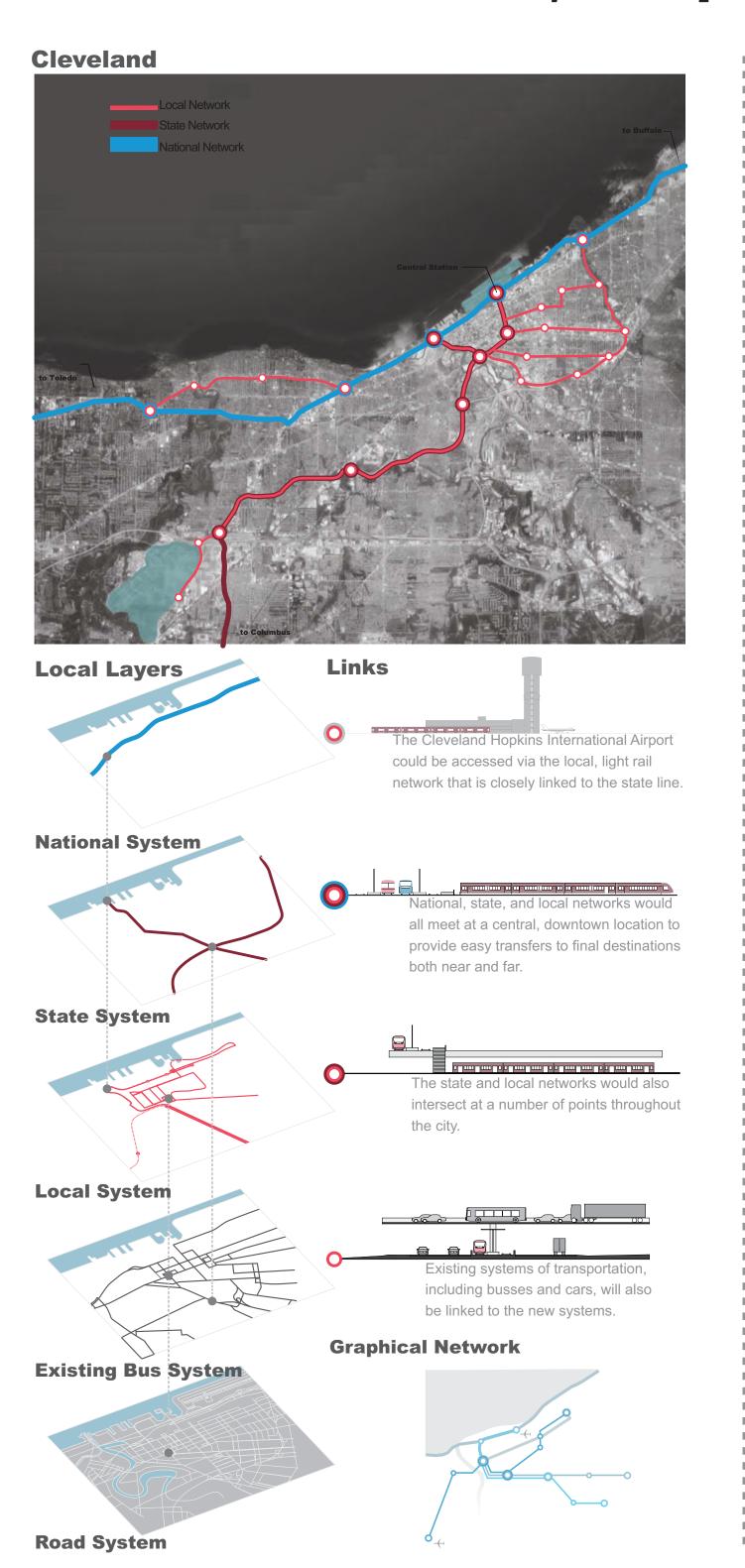
State Network

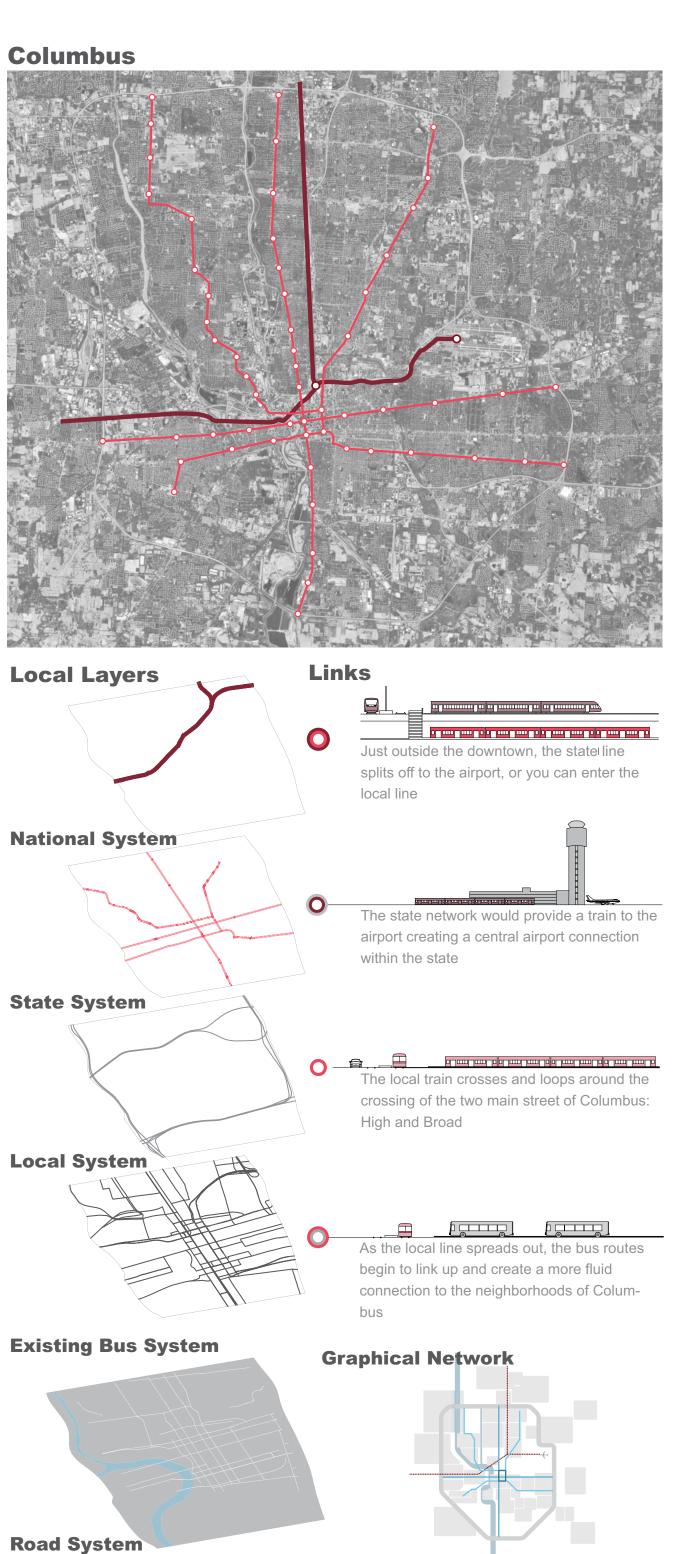
National Network

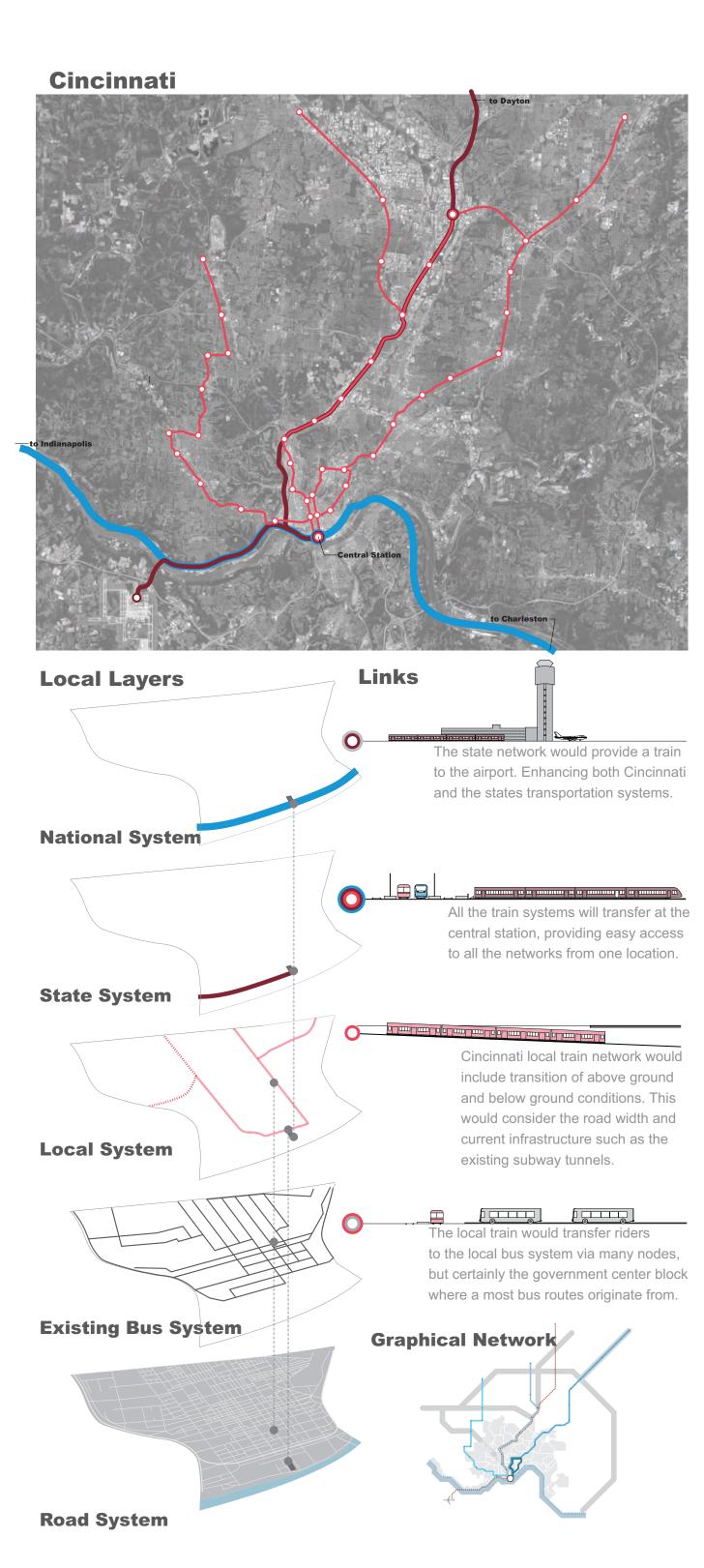


How Would the Three Cs Look with Multiple Scale Networks?

Given the characteristics of each city the transportation network would differ.

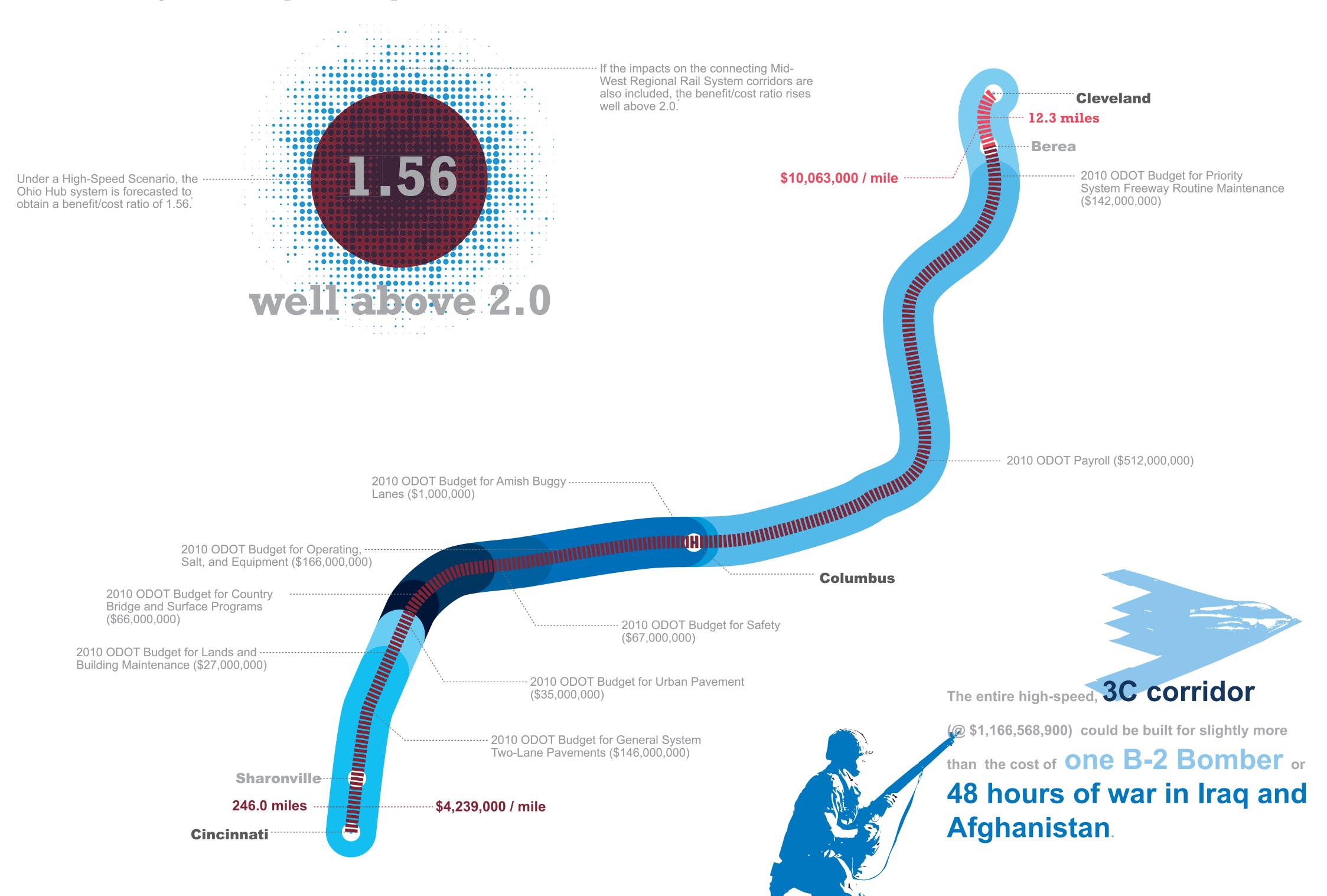






Does investing in rail make economic sense for Ohio?

The facts and figures on transportation expenditures in Ohio.

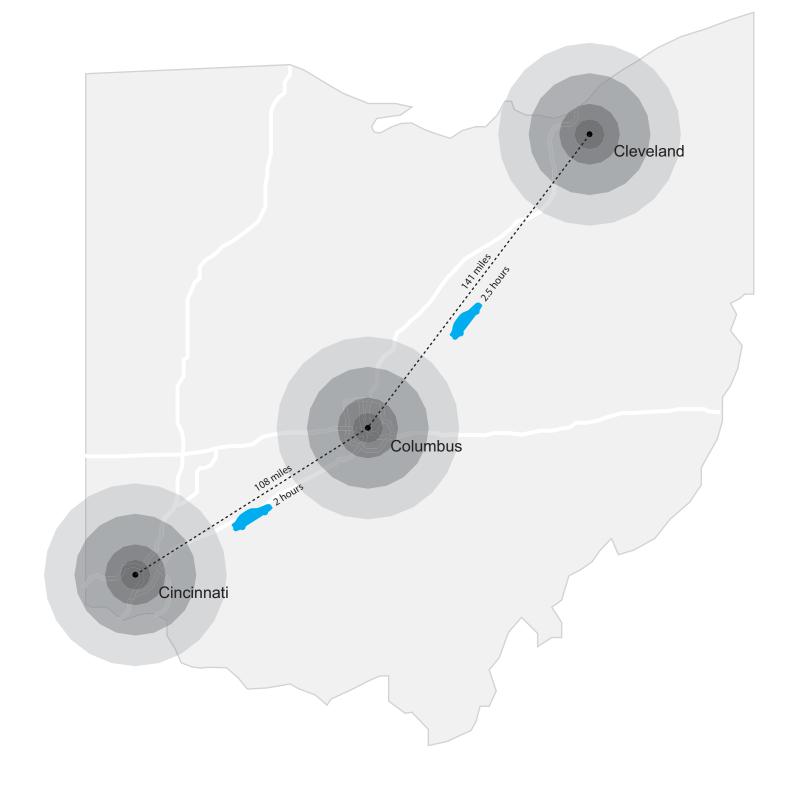


How can trains save time?

By embedding daily activities into the commute, time is gained at the end of the day.

Train vs. Car

A train may not have a quicker travel time than the car, but it can save time over the span of a day. By including daily activities into the station and the train cars, less time is spent commuting to other locations.



A Day in the Life

Here is a break down of activities that occur before and after work on a typical weekday. The timeline demonstrates how they add up using a car and using public transportation.

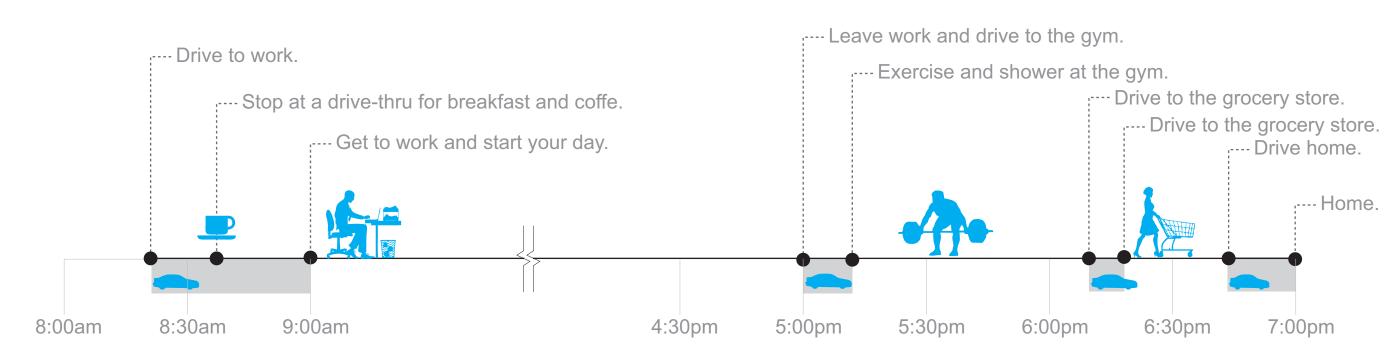


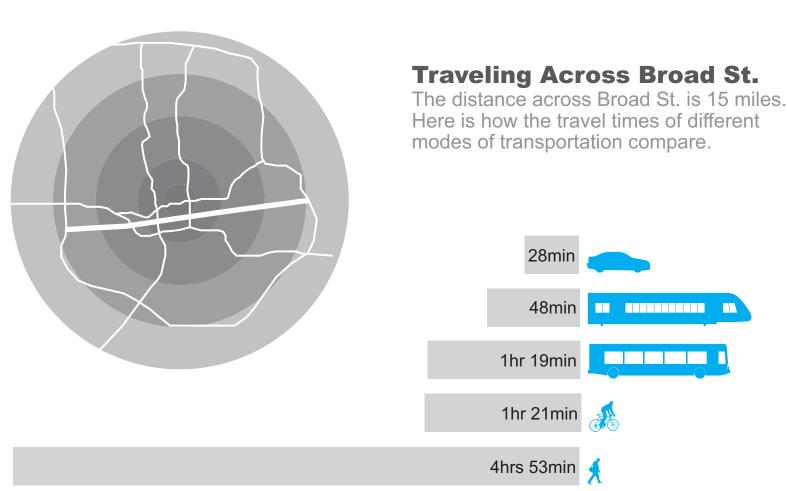


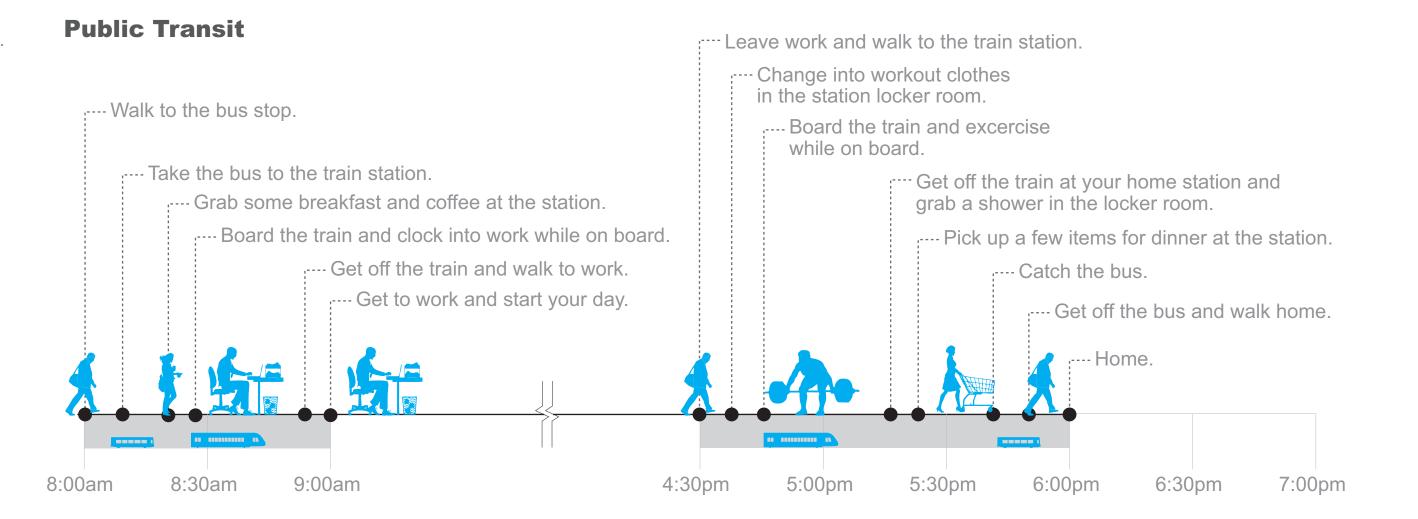




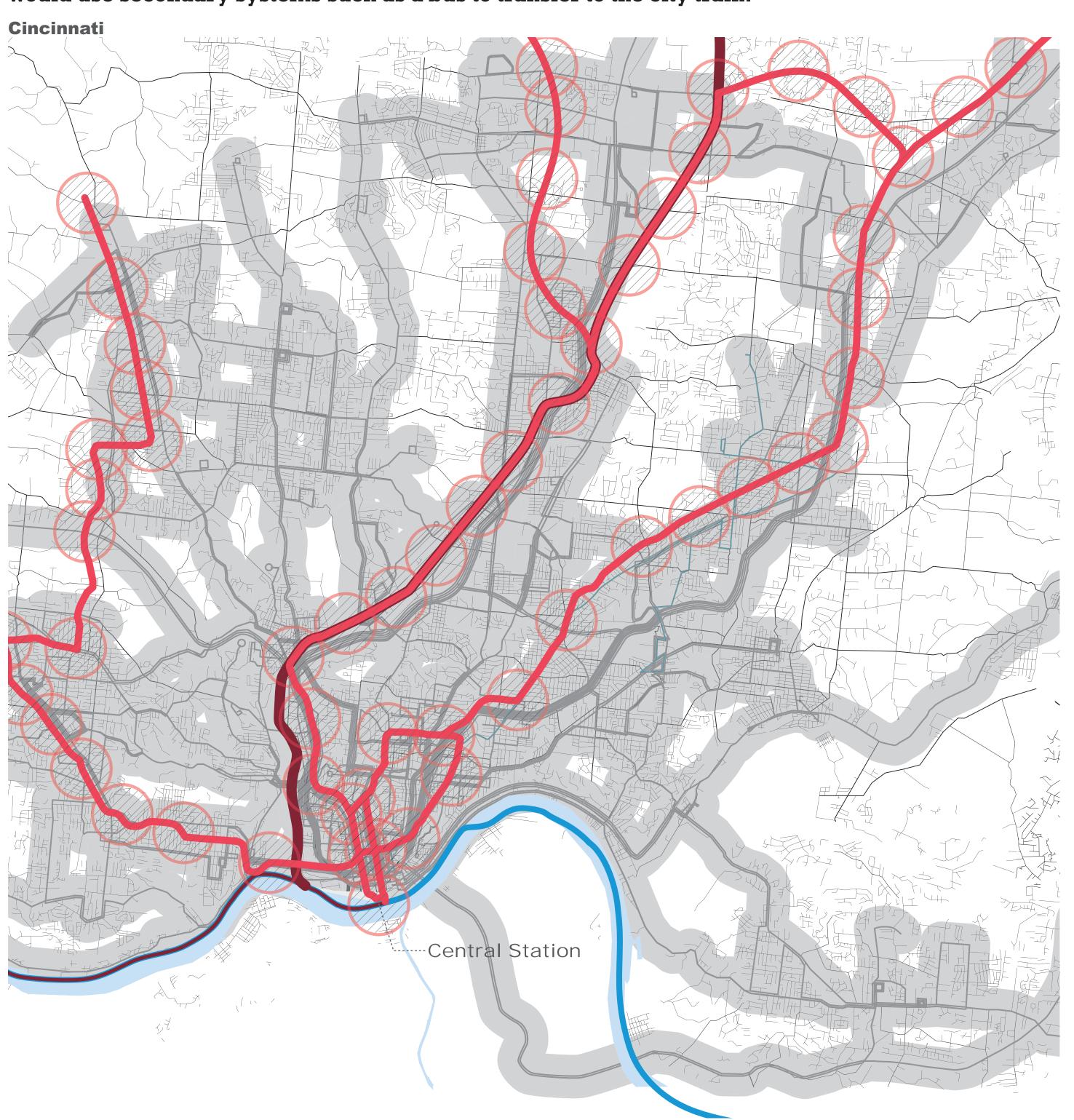
Car

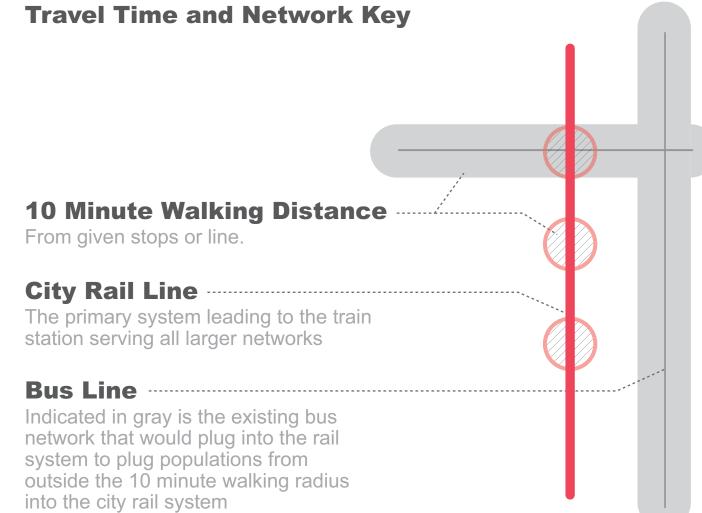


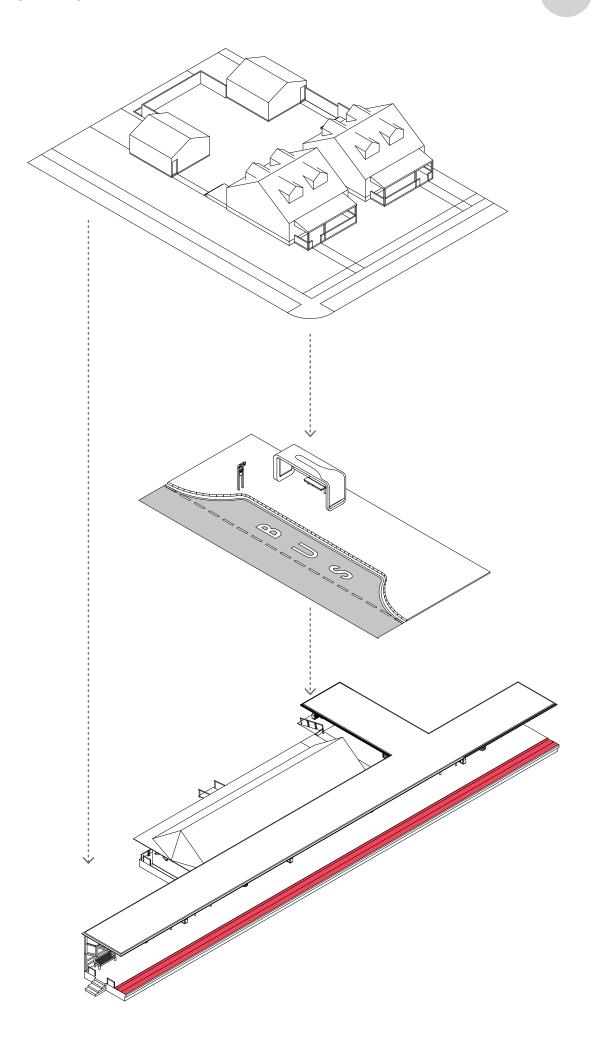




How would a city network connect to the user? The city train system would cater to population centers and people outside the network would use secondary systems such as a bus to transfer to the city train.







How can time on trains be productive? When one embeds a train ride into daily activities, one can accomplish so much more than when one drives











Revised Home/Work-to-Flight Schedule

Arrival at Gate

Having passed through a TSA

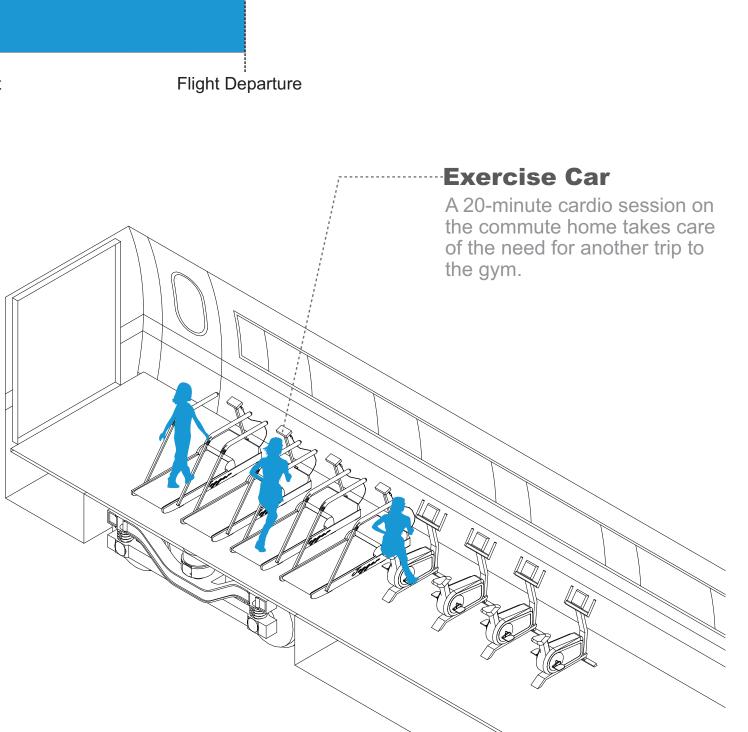
security check point on the

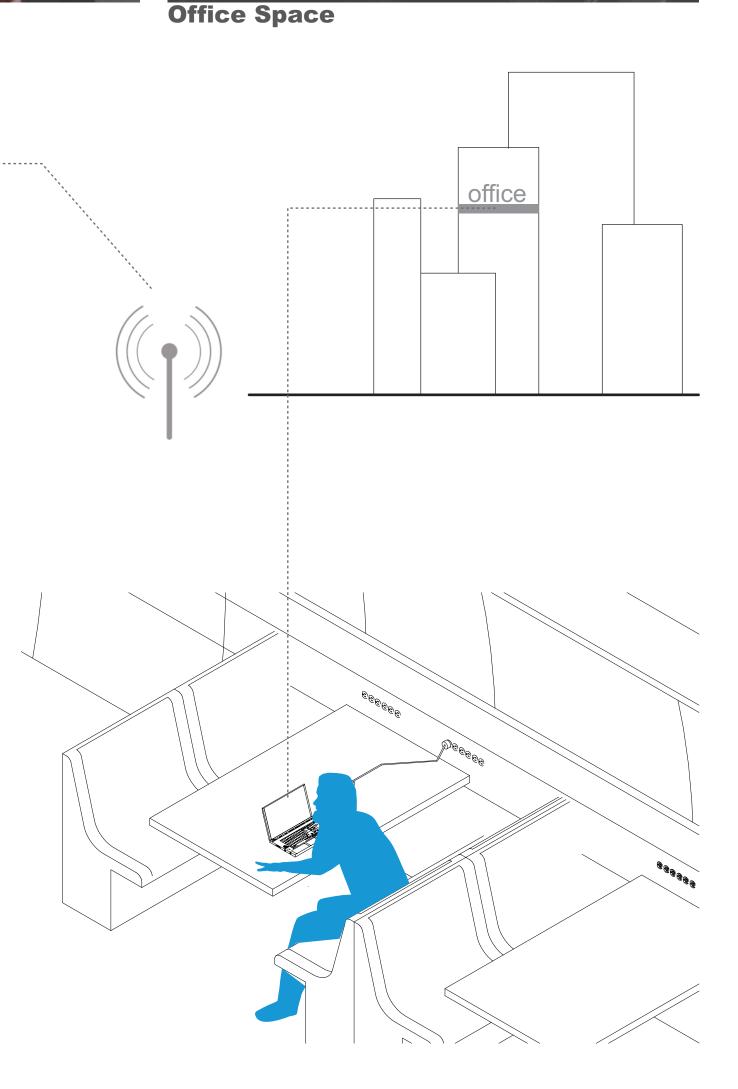


Arrive at / Depart from Train Station

Commuter Clock In

Commuters clock in once on the train to count as work time. This would offer incentives for workers to use mass transportation options.





train, the passengers are able to by-pass the security screening at the airport and arrive directly at their gate.

How can trains provide more convenience? Additional services offered on trains activate the "dead" time in travel



Bicycle LockersFor reliable security bicycle lockers would to store rider's bicycles.



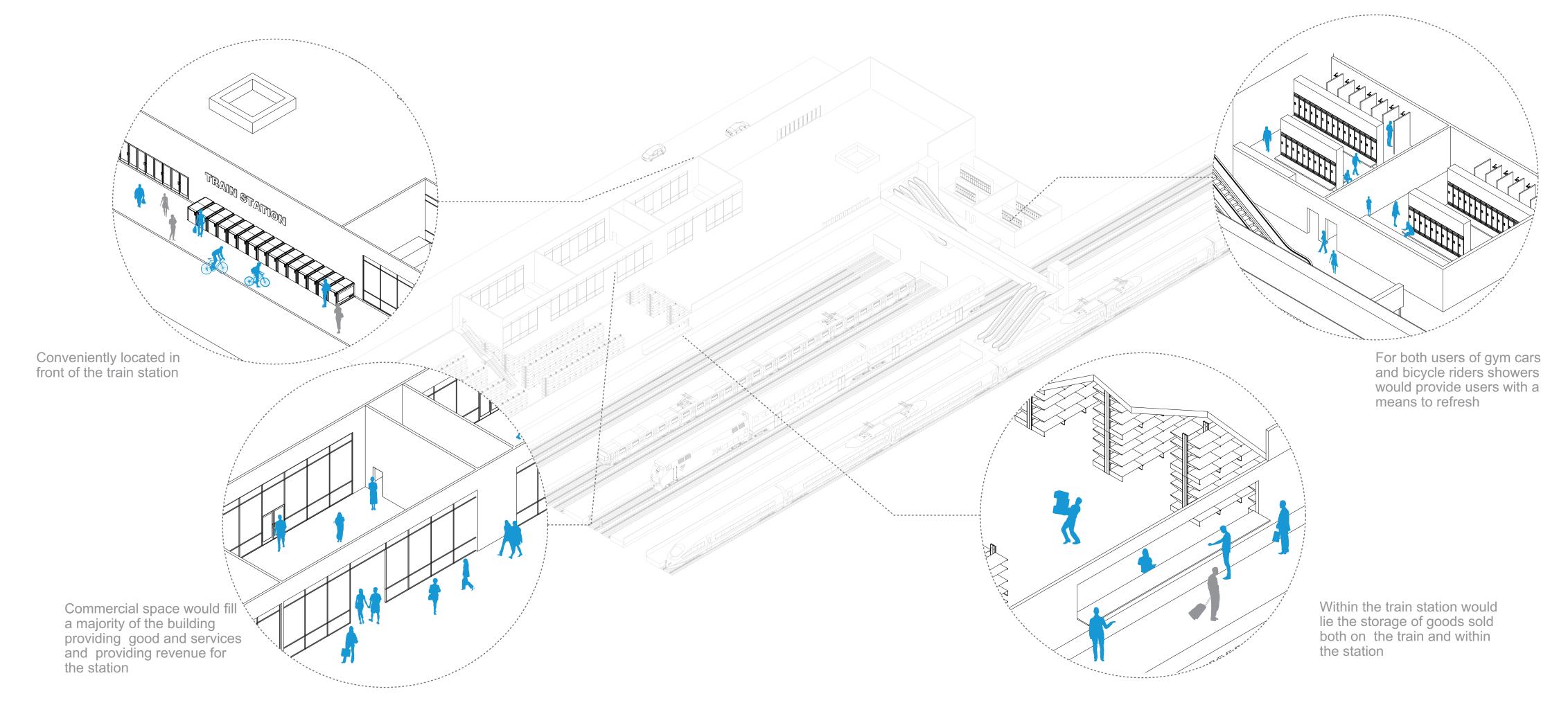
ShoppingSpace within the station can provide needed amenities to travelers such as shopping, libraries, and pharmacy



Showers Working with gym car on some trains locker and shower facilities would provide users with ways to refresh

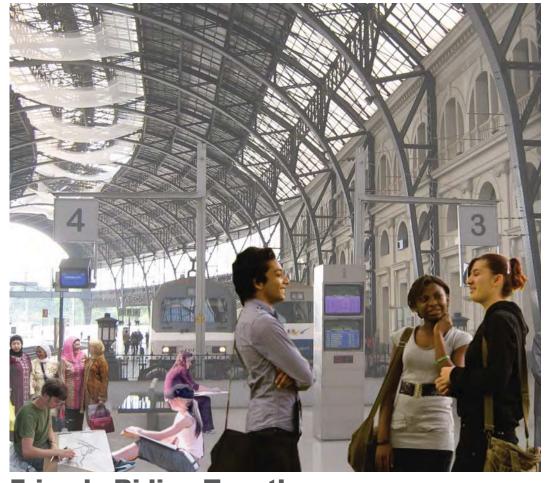


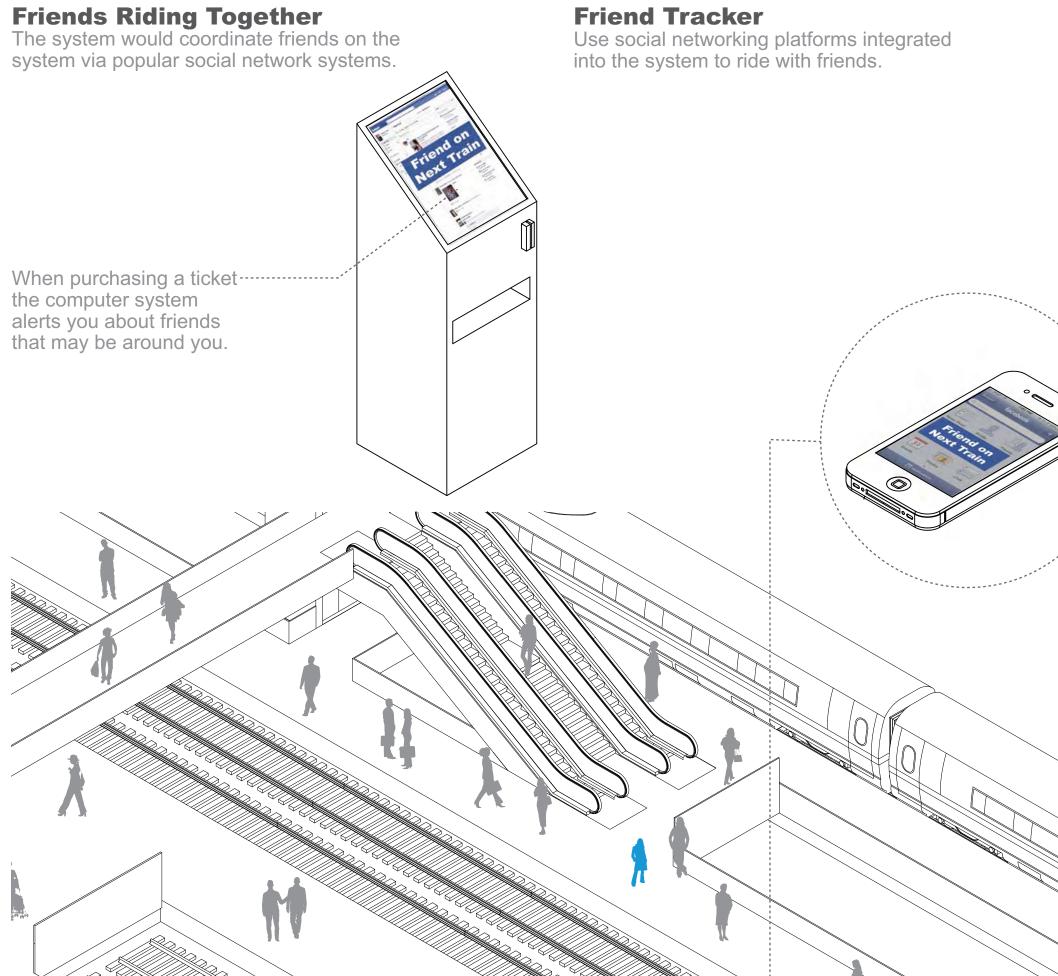
Good ordered before arrival to the train station would be ready for pick up at the train station pick up window



How can trains be social?

Ride the train with a friend or make a new one.









Seat Matcher

Matching people with similar interests, sparking new social exchanges



Similar Interests Car

With coordination of the system people with similar interests could gather on a train car and share their



How can trains be more entertaining?

Added amenities will make train rides more stimulating for the user

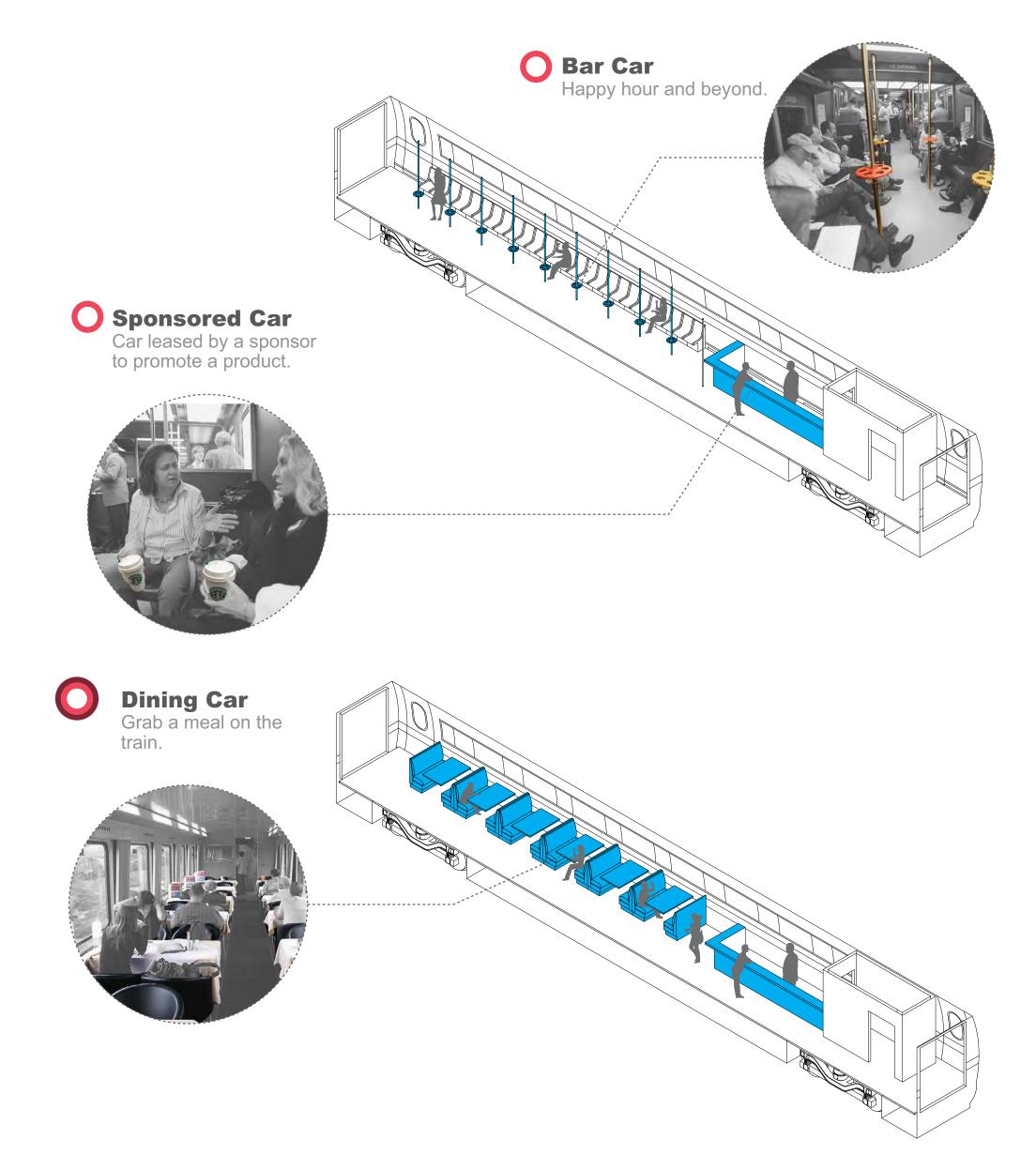
Programmed-by-Distance
Entertainment on the train could be programmed by the distance that the typical rider on that train is expected to travel. For example, Starbucks might advertise their new flavor on a local, commuter car, while an intimate concert by The Killers might be offered on a national line headed to a summer music festival.

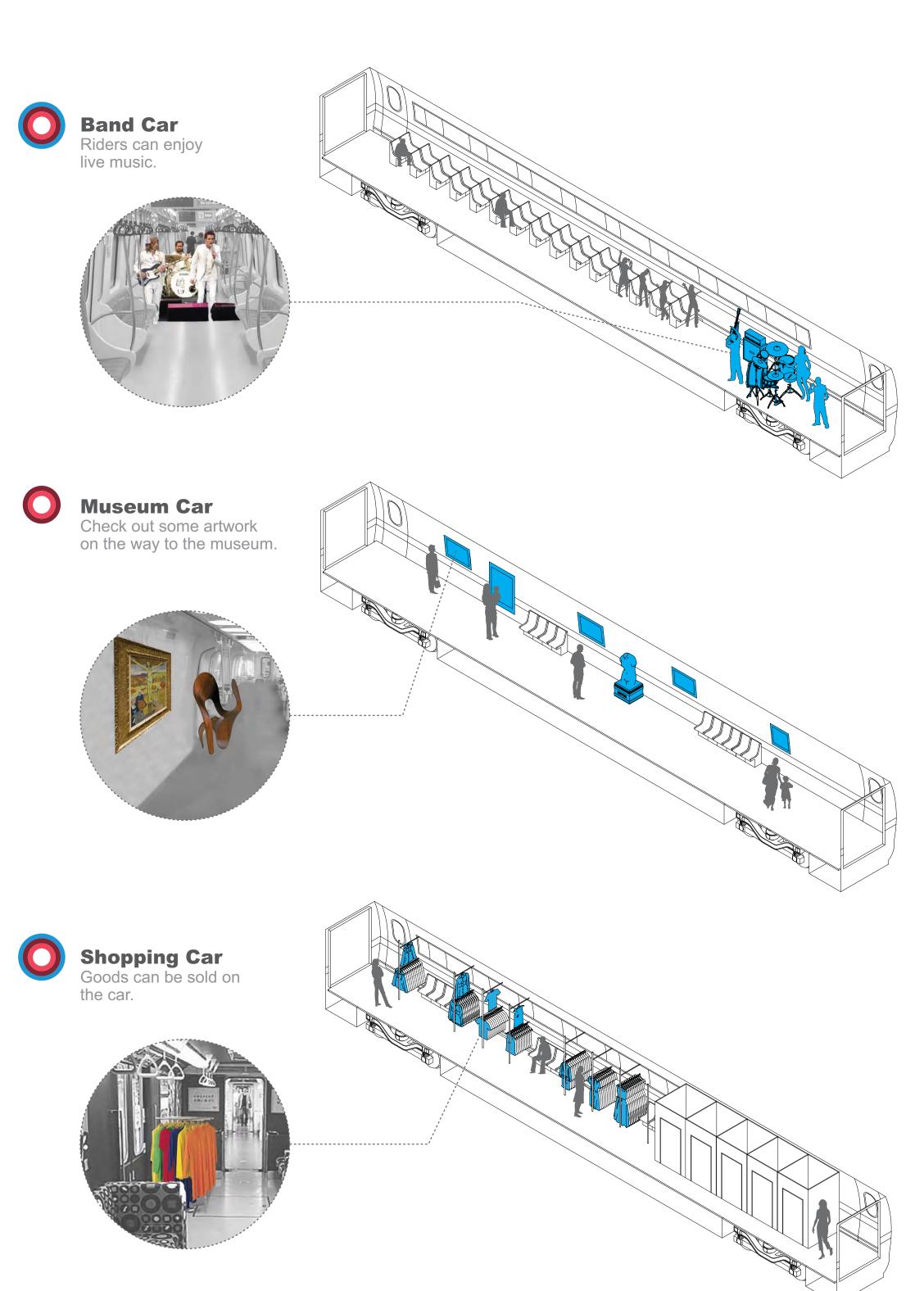






Local < 1 Hour





How can trains and train lines be more versatile?

Layering programs and allowing for flexible schedules maximizes the productivity of a rail network



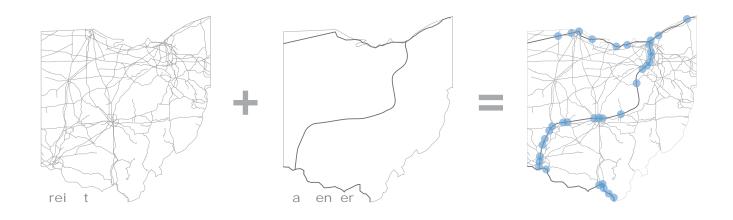
Combining Commuter and Freight Cars
For areas of the state lacking in ridership to defend a
dedicated rail line, a sharing system of freight and commuter
rail would be put in place. This system would be similar to the
current Amtrak system except the train would be the same

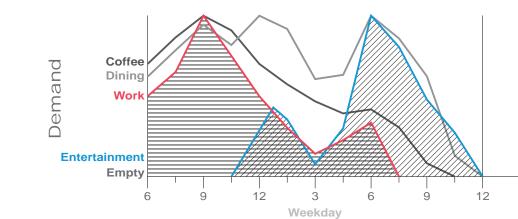


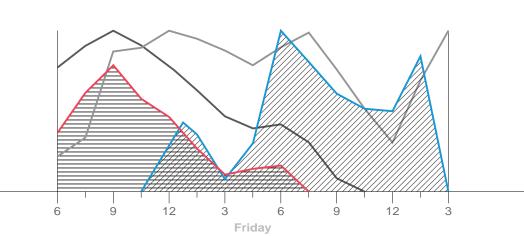
By Day, Professional Transportation
To stimulate ridership at times of day outside of the typical work commute, an intracity light rail system might layer additional program onto to its schedule that would allow it to become a place for pre-gaming on the way to the bar or a traveling football fan zone on game days.

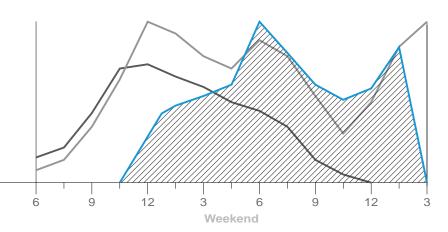


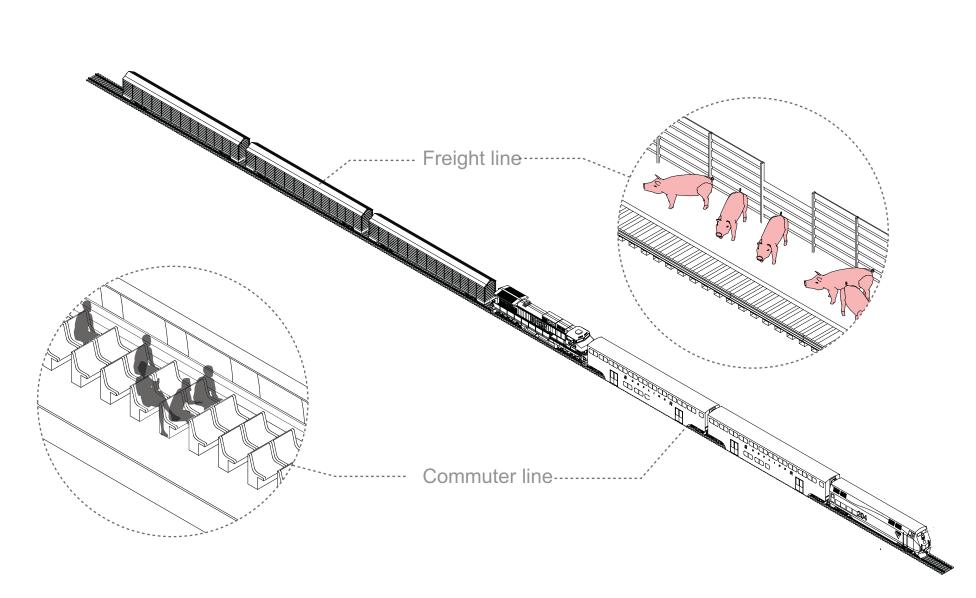
By Night, Party Train

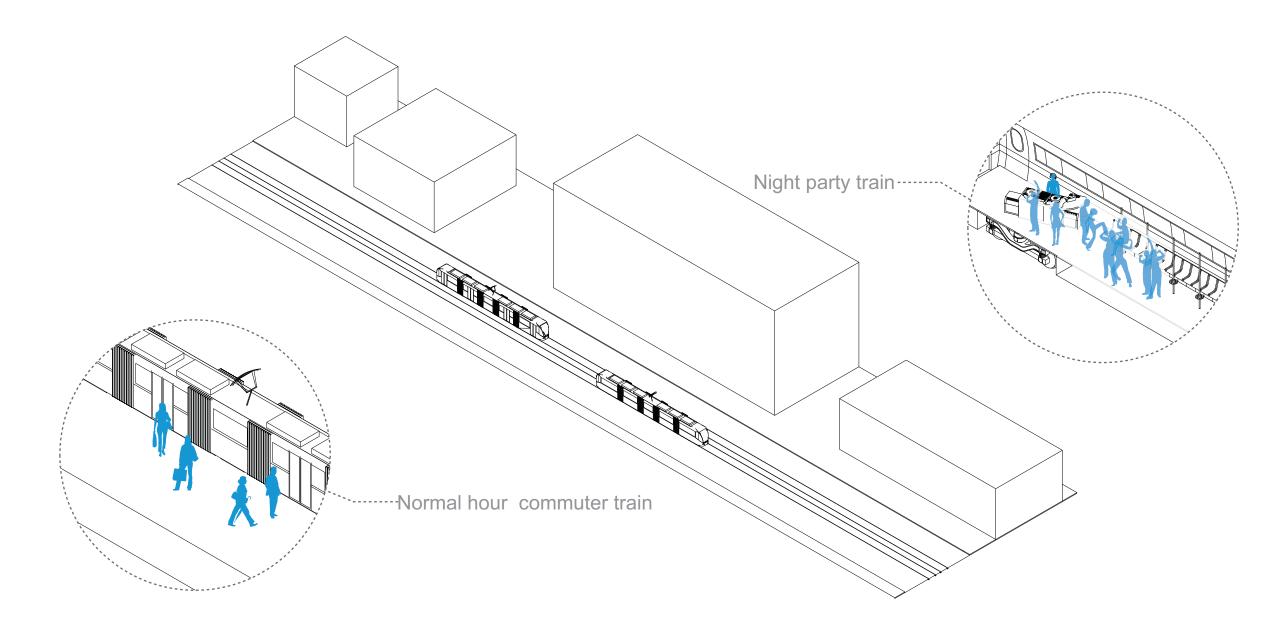












How can trains be more user-friendly? Coupling a network of information systems with the transportation network would make for a more fluid user experience ,-----Verification Clear Signage ······ The single ticket could Throughout the station, clear, digital signage would guide be scanned either riders to the correct tracks by illustrating separate routes with separate colors, times, and destination. when entering the car or when being seated. **PURPLE LINE ORANGE LINE CYAN LINE** ARRIVING 10:24AM ARRIVING 10:12AM **ARRIVING NOW GREEN LINE** RED LINE **ARRIVING 10:25AM ARRIVING 10:10AM** Car Population Indicators Seat Indicator Working with the ticketing Each train would have system, a notification of an indicator for each current and forecasted seat allowing the user users for each car could be to easily see which displayed on the exterior of seats are vacant. the train and at the station. -----Information Central Ticket Scanner A centrally-located desk would provide users with quick, reliable information. This feature would be especially useful for users who are not For longer routes, trains would have familiar with the ticketing system. individual readers for each seat - helping with reservations. **Destination Logistics** The system would request the final destination and configure all the ticketing necessary to get the user there using Google Maps' interface. The options for travel would include private companies for air travel and car rentals. Pricing would be configured by zones - allowing for users to easily understand the pricing scheme. **JOHN SMITH ORIGIN: COLUMBUS DESTINATION: SEATTLE COLUMBUS TO CLEVELAND RED LINE** --------------------**CLEVELAND TO SEATTLE** _____ -----_____ Ticketing System The central computer system would be the logistical backbone of the entire rail network. `----- One Ticket ----- Personal Information One ticket would be In the cases of delays and Information relevant to each user used between each of cancellations, the computer would be known by the ticketing the systems within the system and the user could opt-in to could notify passengers and rail network, as well as a notification system for any present alternative options with additional forms of for reaching their relevant information regarding their travel. destinations. travel sequence.