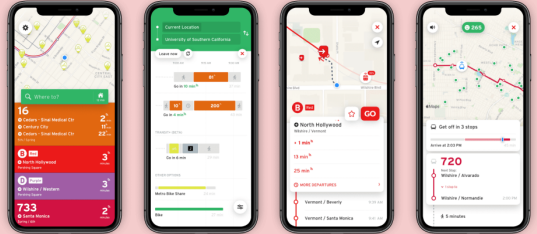
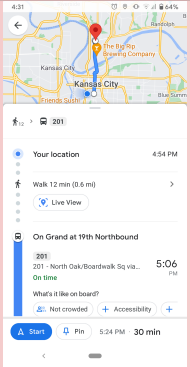

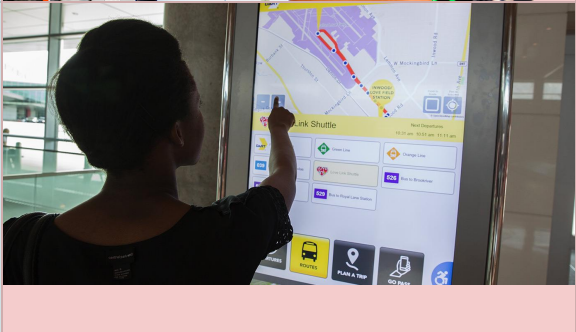


| Competitive audit | The goal is to see what other transit riders might use for finding vital public transit information on the street or at a transit stop, either via their mobile device or at a similar kiosk in a different city. The current system is Smart City Media ( <a href="https://www.smartcitymedia.us/">https://www.smartcitymedia.us/</a> ) |              |  |                        |   |   |   |  |
|-------------------|--|--------------|--|------------------------|---|---|---|--|
|                   | General information  |              |  |                        |   |   |   |  |
|                   | Competitor type<br>(direct or indirect)  | Location(s)  | Product offering   | Price<br>(\$ - \$\$\$) | Website<br>(URL)  | Business size<br>(small, medium, large) | Target audience                                 | Unique value proposition   |
| Transit app       | Indirect   | Anywhere     | Trip planning, real time departures, maps, schedules, alerts, personalized content | Free                   | <a href="https://transitapp.com/">https://transitapp.com/</a>   | Small                                   | Regular public transit riders in North America  | Transit app provides smartphone users a resource for public transit more than 200 cities worldwide with a simple and easy to use interface.                          |
| Google Maps app   | Indirect   | Anywhere     | Trip planning  | Free                   | <a href="https://play.google.com/store/apps/details?id=com.google.android.apps.maps&amp;hl=en_US&amp;gl=US">https://play.google.com/store/apps/details?id=com.google.android.apps.maps&amp;hl=en_US&amp;gl=US</a> | Large                                   | Smartphone users                                | Google Maps provides web and smartphone users a resource for navigation throughout the world with multiple mode options  |
| Intersection      | Direct   | Major cities | Real time arrival information, maps, advertising revenue                           | Free (to riders)       | <a href="https://www.intersection.com/partners/transit/">https://www.intersection.com/partners/transit/</a>   | Medium                                  | Transit riders at their product's location/city | Intersection UI provides on-street resources for a variety of users to access public transit resources targeted to their current location with additional ad revenue |
| ConnectPoint      | Direct   | Major cities | Real time arrival information, maps, advertising revenue                           | Free (to riders)       | <a href="https://www.connectpointdigital.com/">https://www.connectpointdigital.com/</a>   | Medium                                  | Transit riders at their product's location/city | ConnectPoint UI provides on-street resources for a variety of users to access public transit resources targeted to their current location with additional ad revenue |

| Competitive audit    |   |  |   |  |  |
|----------------------|---|--|---|--|--|
|                      |   |  |   | UX<br><i>(rated: needs work, okay, good, or outstanding)</i>   |  |
| First impressions    |   | Interaction  |   |  |  |
| Interface experience | Features  | Accessibility  | User flow   |  |  |
| Transit app          | <b>OUTSTANDING</b><br>+ A lot of care went in to designing specifically for transit users on the go<br>- A mobile app is not the most accessible form of obtaining transit information for the rider, who will need to spend considerable amounts of money to own a personal mobile phone as well as a data plan  | <b>OUTSTANDING</b><br>+ Perfectly targets transit users<br>+ View transit info as real time arrival, trip plans, or by route<br>+ Information most pertinent is at the ready on the home screen<br>+ Alerts are blended seamlessly into the features<br>- Moving to subscription-based content with limits on expanding past basic<br>- Emphasis is on real time arrivals of nearby routes which can be confusing to riders used to utilizing maps and schedules | <b>OKAY</b><br>+ Available to anyone with a smartphone and internet access<br>+ Basic transit information is available for free<br>- Some users will not know of the app unless each city actively promotes it as a transit tool<br>- Some users will not have a working smartphone, internet or a working knowledge of the technology to utilize the app     | <b>EXCELLENT</b><br>+ Information is presented at very thoughtful levels of hierarchy<br>+ Users can choose to access routes and schedules or a custom trip plan<br>- From the initial screen, it is not apparent that schedules and maps are available and some users might be afraid of tapping on individual routes to seek information |  |
| Google Maps app      | <b>OKAY</b><br>+ Easy to view lots of businesses and their information while navigating, can toggle between different transportation modes easily<br>- Map gets cluttered with too many unrelated locations   | <b>OKAY</b><br>+ The best feature is probably having the multitude of possibly related information at the ready: store hours, contact, website, etc.<br>+ Users can pick driving, public transit, biking, walking, and taxi<br>- Transit schedules and maps are not provided<br>- Other important transit information such as alerts are not available<br>- Transit options blur into other modes with no real emphasis or additional help                       | <b>GOOD</b><br>+ Available to anyone with a smartphone and internet access<br>+ Basic transit information is available for free<br>+ The app is usually standard on Android phones<br>- Some users will not have a working smartphone, internet or a working knowledge of the technology to utilize the app   | <b>OKAY</b><br>+ The user flow does not require much tapping to see all the information available<br>- All the information shown at once can be very overwhelming  |  |
| Intersection         | <b>GOOD</b><br>+ Valuable transit information, such as arrival countdowns and route status, in a persistent zone adjacent to advertising and other messaging. It also enables the CTA to push up-to-the minute communications and alerts during service outages or emergencies. Riders wayfinding and detailed station alerts throughout the city.<br>- Advertising takes a lot of real estate. | <b>GOOD</b><br>+ Quick important info is available at a glance<br>+ Routes are easily distinguishable by color<br>+ Alerts are clear and prominent<br>- Advertising takes up valuable real estate on the screen<br>- No in-depth information provided on riding information such as fares, codes of conduct, etc.<br>- No trip planning  | <b>GOOD</b><br>+ These screens are placed in areas where there are a high population of transit riders who need real time information<br>- The expense of the technology prevents them from being available at every transit-related location<br>- Seeking further information prevents others from using the screen during the duration of their interaction | <b>OKAY</b><br>+ Further information such as rider alerts can be accessed with good detail available when needed<br>- Layers of information are limited, perhaps to prevent one person from interacting too long with the shared device  |  |
| ConnectPoint         | <b>GOOD</b><br>+ Automatically display real-time departure information or choose to show scheduled times.<br>- Information limited to routes  | <b>GOOD</b><br>+ Quick important info is available at a glance<br>+ Routes are easily distinguishable by color<br>+ Alerts are clear and prominent<br>- Advertising takes up valuable real estate on the screen<br>- No in-depth information provided on riding information such as fares, codes of conduct, etc.<br>- No trip planning  | <b>GOOD</b><br>+ These screens are placed in areas where there are a high population of transit riders who need real time information<br>- The expense of the technology prevents them from being available at every transit-related location<br>- Seeking further information prevents others from using the screen during the duration of their interaction | <b>NEEDS WORK</b><br>+ All information is present on the screen and fits nicely<br>- No further information can be accessed with interaction   |  |

| Competitive audit |  |   |   |   |
|-------------------|--|---|---|---|
|                   |  | Content   |   |   |
|                   | Navigation   | Tone  | Descriptiveness   | Design  |
| Transit app       | <p><b>GOOD</b></p> <ul style="list-style-type: none"> <li>+ The homescreen limits information by proximity</li> <li>+ With regular use of the app, the process becomes quicker as it saves important user information</li> <li>- Users may not attempt to tap in to an individual route to see it</li> <li>- Live tracking the vehicles may not be visible on the map if a user doesn't tap into the route and pan around the map</li> </ul> | The content is all highly informational with few words and a friendly tone  | <p><b>RATING</b></p> <ul style="list-style-type: none"> <li>+ The descriptiveness is in the transit details with a good understand of the user</li> <li>- The app assumes knowledge that some users may not have</li> </ul>                           |    |
| Google Maps app   | <p><b>RATING</b></p> <ul style="list-style-type: none"> <li>+ Fewer options prevents confusion on finding further steps for more information</li> <li>- The simplistic nature of the interface feels limiting</li> </ul>   | Highly informational with emphasis on icons to communicate and numbers of data. Content is written to be helpful.   | <p><b>OKAY</b></p> <ul style="list-style-type: none"> <li>+ Lots of details provided</li> <li>- Too many words used so it takes a long time to understand the directions provided</li> </ul>  |   |
| Intersection      | <p><b>EXCELLENT</b></p> <ul style="list-style-type: none"> <li>+ Navigation is limited to three buttons with the most desired information</li> <li>+ Buttons are clearly marked</li> <li>- Custom information cannot be accessed or saved per each user which requires more time to reenter addresses and search queries</li> </ul>  | The information is limited to what is needed most. The tone of the content is concise for quick readability.  | <p><b>GOOD</b></p> <ul style="list-style-type: none"> <li>+ The screens limit content to what is most needed</li> <li>- There are lots of detailed information that might be helpful to mention but are left of in an effort to be concise</li> </ul> |  |
| ConnectPoint      | <p><b>NEEDS WORK</b></p> <ul style="list-style-type: none"> <li>- Navigation is not available on these devices</li> </ul>  | Very little written word content aside from what is necessary. The information is limited to what is needed most. The tone of the content is concise for quick readability. | <p><b>GOOD</b></p> <ul style="list-style-type: none"> <li>+ The screens limit content to what is most needed</li> <li>- There are lots of detailed information that might be helpful to mention but are left of in an effort to be concise</li> </ul> |  |