



PROPOSAL FOR:

**Topeka Metropolitan
Transit Authority**

October 2020

TransLoc
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Suite 120
Durham, NC 27703

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Cover Letter

TransLoc is pleased to submit this proposal in response to the Request for Bids #TO-21-05 **by Topeka Metropolitan Transit Authority for QSS Digital Signage.**

TransLoc is proposing to partner with WaySine to provide and install a minimum of 3-4 interior display units and 3-6 exterior display units, to be used for digital signage, and utilize the existing proprietary software integration to signage, meaning no additional engineering costs, for the TransLoc/DoubleMap Content Management System (CMS) to control the digital signage displays on each display unit. TransLoc is happy to provide a live demonstration and answer any of the Agency's questions in order to ensure the Agency has a full understanding of how each sign works and how it can meet your agency's specific needs.

TransLoc is proud to be part of the Ford Mobility family (Ford Motors Company), which is committed to delivering integrated solutions that support cities and their transportation systems. As an FM company, TransLoc is able to offer seamless, productive, and accessible transportation solutions. TransLoc' coverage now includes **over 1,500 clients** consisting of cities, universities, corporate campuses, hospitals, and Fortune 500 companies using one or several of our products and services. TransLoc is able to offer a full suite of services backed by the credibility and commitment of Ford Motor Company. **Solutions include Fixed-Route** Hardware and Software solutions, **On-Demand** software, Trip Planning, **Multi-Modal Applications**, Mobile Payment Integrations, First/Last Mile solutions, and much more. Partnering with TransLoc means also access to multiple tools for different types of modes of transportation and services.

TransLoc has compiled our most competitive and favorable pricing in an effort to demonstrate our strong desire to earn your trust and confidence in carrying out this project at a reasonable price. Please do not hesitate to contact us if any questions arise. We wish Topeka Metro the best of luck with this project and hope that we can work together in the near future.

Sincerely,



Ron Cygnarowicz
Vice President of Customers, TransLoc

As a TransLoc customer, Topeka recognizes that this bid is subject to the negotiation of a contract on mutually agreeable terms following award. The contract includes negotiated indemnification, limitation of liability, confidentiality, data ownership, IP ownership, insurance, warranty, termination, and payment terms. The contract governs the relationship between the parties. Incorporated into the bid response are exceptions identified within the RFP that do not align with the contract.

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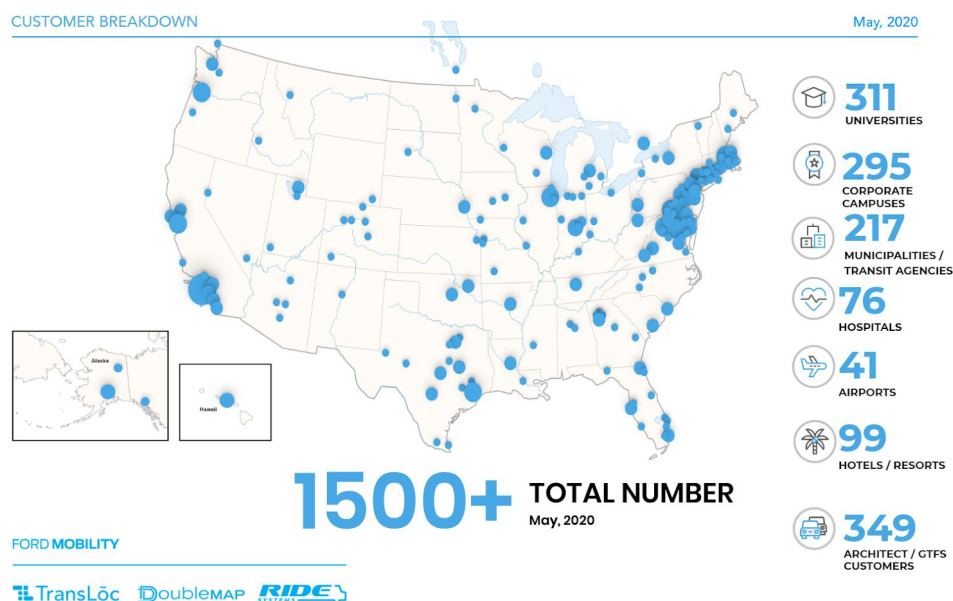
Company Information

Name of Organization: TransLoc Inc.
Type: Private Organization incorporated in the State of Delaware, headquartered in the State of North Carolina
Business Since: 2004
Headquarters Address: 4505 Emperor Blvd. Suite 120
Durham, NC 27703
Support Offices: Indianapolis, IN; and Morgan, Utah.
Federal Identification No.: 20-1528980
Telephone number: 888-959-3120
Email address: info@transloc.com
Contact for this Proposal: Elliott Baker | elliot.baker@transloc-inc.com | 317-960-3144

Parent Company:

Ford Smart Mobility LLC, One American Way, Dearborn MI 48126

With the backing of Ford Motor Company, **TransLoc, Ride Systems and DoubleMap** merged to provide more solutions and expand our capabilities. The combined team of **more than 170 employees** has a proven record of reliability in CAD/AVL technology and other modes of transportation with a total of over 40 years of experience in the transit space. All 3 companies are providing all company services together with all teams working collaboratively as **one entity now called TransLoc**. This is all for the purpose of providing a more robust and strong service as one team with the combined experience of 3 major ITS companies. TransLoc is experienced at implementing, training, and continually supporting clients and looks forward to the opportunity to partner with Topeka Metro in this and future transit endeavors.



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Project Requirements

Topeka Metro Specifications

Each display unit will be a Smart device with internet connectivity.

Each display unit will connect via 4G/LTE cellular on board modem.

TransLoc's information can be displayed on multiple types of both indoor and outdoor monitors. Internet enabled outdoor monitors will be installed by our partner WaySine at Topeka Metro's designated locations to provide bus riders information regarding bus locations, arrival predictions, and other transit information. TransLoc provides the data feed for these transit display signs or monitors through our PepWave Cellular GPS Router which will be mounted inside or near a sign box.

The PepWave GPS router acts as the **main hub** for several services including: GPS tracking, Wi-Fi Hotspot, and communication device for APCs and signage.



Remote Assistance is done through **InControl**, which helps with WiFi setup, GPS tracking information, and bulk push configurations. With the VPN, TransLoc has the ability to remotely connect to the devices connected via ethernet. The data allowed per device is 100mb/device/day.

Displays will be securely mounted at a specific height to be determined by Metro.

Signs can be mounted at any height defined by Topeka Metro. Recommended mounting heights in accordance with ADA standards are between 7ft and 10ft.

Each display unit will need to exhibit text information in such a way as to be Americans with Disabilities Act (ADA) compliant based on display size, location, and text sizes.

The WaySine outdoor signs that will be installed for Topeka Metro are fully ADA compliant with >2" Character heights, as well as built in motion activated audio. TransLoc will provide state of the art indoor signage that can provide ADA compliant visual display messages to riders that correspond with audio announcements.

Displays must be resistant to vandalism and exterior displays must be weather resistant (vendor should provide dust and water prevention rating).

The housing for the outdoor display signs are IP65 and Nema4x compliant, with resistance to water from all angles and temperatures of -40F to 156F. These are low maintenance signs, designed to hold up in severe weather conditions. We have included specification sheets for the signs in the Appendix for additional information.

Display data will consist of three (3) types: Maps, General Information, and Arrival/Departure times for buses.

WaySine outdoor signs display real-time Arrival/Departure information ingested from DoubleMap CAD/AVL. Maps, general information and real-time arrival/departure times will be displayed on TransLoc indoor signs. Transloc can supply a combination of indoor LED and LCD signage to meet Topeka Metro's requirements. LED signage displays real-time bus arrival information from DoubleMap and informational text messages. Messages are displayed with route or station identifier and arrival/departure times are shown in minutes for the next two vehicles servicing the stop location. LCD display data is also available in horizontal or vertical formats. Topeka Metro will have the option of selecting all LED signs, all LCD signs, or a combination of both. We have included images of display examples below.

LED Signs



TransLoc is also able to offer an automated voice annunciation (AVA) system which is fully automated and in line with the Americans with Disabilities Act of 1990 (ADA). TransLoc will provide state of the art signage that will work in tandem with the audio annunciation system to provide ADA compliant visual display messages to riders that correspond with audio announcements.



LCD Signs

TransLoc provides both indoor and outdoor versions of LCD panel displays. The outdoor versions are climate controlled and can be located anywhere that has an available power supply (standard 110/120 volt AC power).



Live display screens at Eppley Airfield in Omaha, NE

TransLoc's information can be displayed on multiple types of both indoor and outdoor monitors. Internet enabled monitors or tablets may be installed by the agency at bus stops or other central indoor locations to provide bus riders information regarding bus locations, arrival predictions, and other transit information. TransLoc provides the data feed for these signs and monitors.

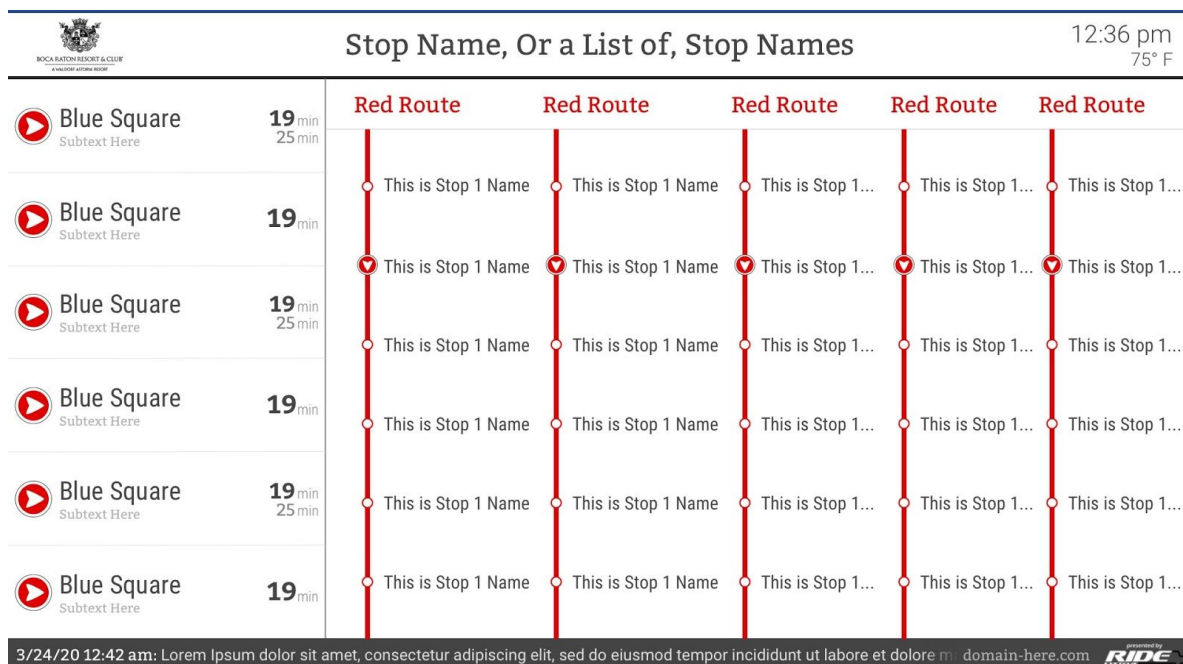


The LCD displays are available in 26", 32", 42", 52", 55" versions and larger if required versions for both the indoor and outdoor options.

Horizontal




Horizontal Runner



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Horizontal Terminal

Stop Name, Or a List of, Stop Names		12:36 pm 75° F	
Route	Est. Departure	Route	Est. Departure
▶ Route Name Here: Stop Name Here	12 min	▶ Route Name Here: Stop Name Here	12 min
▶ Route Name Here: Stop Name Here	Arriving	▶ Route Name Here: Stop Name Here	Arriving
▶ Route Name Here: Stop Name Here	Off Route	▶ Route Name Here: Stop Name Here	Off Route
▶ Route Name Here: Stop Name Here	6 min	▶ Route Name Here: Stop Name Here	6 min
▶ Route Name Here: Stop Name Here	12 min	▶ Route Name Here: Stop Name Here	12 min
▶ Route Name Here: Stop Name Here	Arriving	▶ Route Name Here: Stop Name Here	Arriving
▶ Route Name Here: Stop Name Here	Off Route	▶ Route Name Here: Stop Name Here	Off Route
▶ Route Name Here: Stop Name Here	6 min	▶ Route Name Here: Stop Name Here	6 min
▶ Route Name Here: Stop Name Here	12 min	▶ Route Name Here: Stop Name Here	12 min
▶ Route Name Here: Stop Name Here	Arriving	▶ Route Name Here: Stop Name Here	Arriving
▶ Route Name Here: Stop Name Here	Off Route	▶ Route Name Here: Stop Name Here	Off Route
▶ Route Name Here: Stop Name Here	6 min	▶ Route Name Here: Stop Name Here	6 min
▶ Route Name Here: Stop Name Here	12 min	▶ Route Name Here: Stop Name Here	12 min
▶ Route Name Here: Stop Name Here	Arriving	▶ Route Name Here: Stop Name Here	Arriving
▶ Route Name Here: Stop Name Here	Off Route	▶ Route Name Here: Stop Name Here	Off Route
▶ Route Name Here: Stop Name Here	6 min	▶ Route Name Here: Stop Name Here	6 min








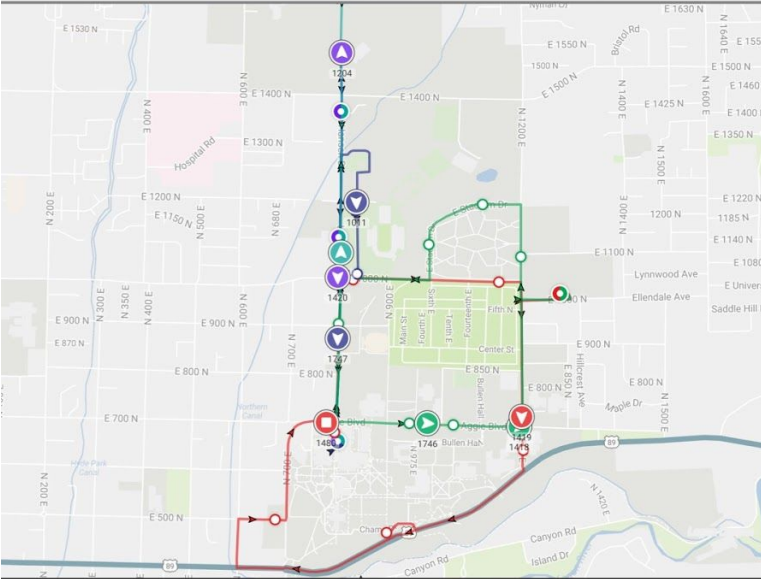
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Only 3



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Vertical

	Stop Name, Or a List of, Stop Names	12:36 pm 75° F
	Blue Square Subtext Here	19 min 25 min
	Blue Square Subtext Here	19 min
	Blue Square Subtext Here	19 min 25 min
	Blue Square Subtext Here	19 min
	Blue Square Subtext Here	19 min 25 min
	Blue Square Subtext Here	19 min
 <p data-bbox="431 1703 1073 1728">3/24/20 12:42 am: Lorem Ipsum dolor sit amet, consectetur domain-here.com</p>		

Vertical Runner

Stop Name, Or a List of, Stop Names		12:36 pm 75° F
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div> <div>25 min</div>	
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div>	
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div> <div>25 min</div>	
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div>	
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div> <div>25 min</div>	
<div><div></div><div>Blue Square</div><div>Subtext Here</div></div>	<div>19 min</div>	
<div><div>Red Route</div><div>Red Route</div><div>Red Route</div><div>Red Route</div><div>Red Route</div></div>		
<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>
<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>
<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>	<div><div></div><div>This is St...</div></div>
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<div>3/24/20 12:42 am: Lorem Ipsum dolor sit amet, consectetur adipiscing elit. domain-here.com</div>		

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Vertical Terminal

Stop Name, Or a List of, Stop Names		12:36 pm 75° F
Route	Est. Departure	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
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▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	
▶ Route Name Here: Stop Name Here	6 min	
▶ Route Name Here: Stop Name Here	12 min	
▶ Route Name Here: Stop Name Here	Arriving	
▶ Route Name Here: Stop Name Here	Off Route	

The Contractor shall provide and support all hardware associated with the operation of the system.

As our hardware partner, WaySine will provide and support all hardware associated with operation of the outdoor system and TransLoc will provide and support all hardware associated with the operation of the indoor system and GPS integration.

All hardware and equipment that is purchased through this contract from the Contractor for Project, excluding consumable material (material that needs continuous replenishment), shall be certified to have a five-year minimum service life to withstand all weather-related elements, with ten-year service life being preferred.

All outdoor hardware components provided have a 10+ year life expectancy and are covered by WaySine's 5 year warranty.

The life expectancy of the TransLoc hardware is at least 5 years. TransLoc provides a one year warranty on all hardware according to the stipulations described in the warranty agreement included in the Warranty section at the end of this document.

All equipment, supplies and materials furnished under the Agreement shall also be new, field proven and meet or exceed applicable ISO, IEEE and ANSI standards. Where to the extent possible, Contractor shall source commercially-available, off-the-shelf components that are easily accessible, modular, and easily removable to facilitate ease in maintaining and/or replacing the equipment.

WaySine is not ISO certified, however has significant field proven experience, see references. All components are modular and easily accessible. All components are replaceable from WaySine with major components such as batteries and protective shields available through multiple sources.

Materials and products that have been previously used for development work, purchased systems or items that have been salvaged or rebuilt shall not be permitted to be used in connection with the Agreement or Project without the prior written approval by Topeka Metro.

All WaySine equipment provided under this contract will be delivered new from the factory.

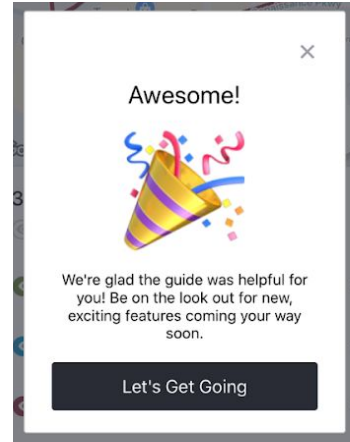
All equipment provided by the Contractor shall be multi-sourced and readily available now and in the future for repair or replacement to Topeka Metro. Proof of purchase in the form of dated invoice and shipping waybills should be retained and furnished to Topeka Metro upon request.

All outdoor components are replaceable from WaySine with major components such as batteries and protective shields available through multiple sources. Warranty information related to repair or

replacement of hardware for both WaySine and TransLoc is covered in the Warranty section at the end of this RFP.

Lifetime technical support including software updates and maintenance will be provided. Please include your support contract.

The TransLoc/DoubleMap CAD/AVL software is built by an agile software team with a goal of providing continuous feature development, and is updated on average **every 2.5 weeks with new features**, feature enhancements, and bug fixes. **For major system updates**, especially when user workflows are affected, we will notify key agency contacts by email in advance as well as place a notification within the TransLoc web portal. This ensures all users can be notified of changes as soon as they log into the administration portal and if applicable can even be shown a direct link to view new features. The features highlighted in this proposal reflect the current state of the application, but do not reflect the future state of the application and numerous enhancements in functionality that TransLoc provides to all customers for no additional cost throughout the life of their service.



Warranty will be provided. Please include your warranty coverage period, terms, and conditions.

WaySine provides a standard 5 year warranty on all components including batteries for manufacturer defects. All components provided have a 10+ year life expectancy and are covered by WaySine's 5 year warranty.

The life expectancy of TransLoc hardware is at least 5 years. TransLoc provides a one year warranty on all hardware according to the stipulations described in the warranty agreement included below. Normally, the process for replacing hardware, if necessary, is very quick, and TransLoc can have new hardware to the Topeka Metro within days of the initial notification. TransLoc can also provide extended warranties if desired.

Both warranties are included in full in the Warranty section at the end of this RFP.

Follow all contract requirements on pages 5-8.

We have reviewed all contract requirements and included exceptions in the Appendix to this document.

Furnish all labor, material, and equipment necessary for satisfactory contract performance.

All labor, material, and equipment for installation will be provided.

Ensure that each display unit is fully functional and ready for use upon project completion.

All Signs are tested for Quality assurance prior to leaving the factory and fully functional upon installation.

The Contractor will be responsible for all installation aspects of this project.

All aspects of installation will be provided.

Content Management System (CMS)

It is desired to have a web-based, back end content management system (CMS) that allows the transit agency to manage the content displayed on the signs. The following outlines the desired requirements for this CMS.

TransLoc's merger with **DoubleMap** has the backing of Ford Motor Company, and has allowed us to provide more solutions and expand our capabilities. As a DoubleMap client, we are able to utilize the existing proprietary software integration to connect to the new signage, meaning no additional engineering costs. The TransLoc/DoubleMap Content Management System (CMS) can be used to control the digital signage displays on each display unit.

TransLoc's back-end content management system has an **administrative portal** and **GPSGate/Vehicle Tracking interface** to make the task of managing and analysing the transit system and the content displayed on your signs even easier for administrators and dispatchers. The application is web-based and available to all users as a service (SaaS application). No additional resources will be required to access the application, other than a standard web browser.

CMS shall be compatible with a variety of digital sign types, including: LED pixel matrix, LCD multimedia screens, and e-ink displays to enable future expansion of the digital signage network.

TransLoc will provide state of the art signage through our partner WaySine which will integrate with our back end software. As a company that has existed since 2004 and over 1500 customers across various products, we have worked in the past to accommodate many desired integrations to ensure we have an increased compatibility with existing platforms. For integrations with future hardware or digital signs, TransLoc works with the vendor to acquire the hardware for testing. Our timeline is

based on the results of testing and analyzing the integrations on a case-by-case basis. Integrations are based on each individual hardware or software model and requirements. Our goal is to be transparent about our commitment to the agency on our ability to integrate or not.

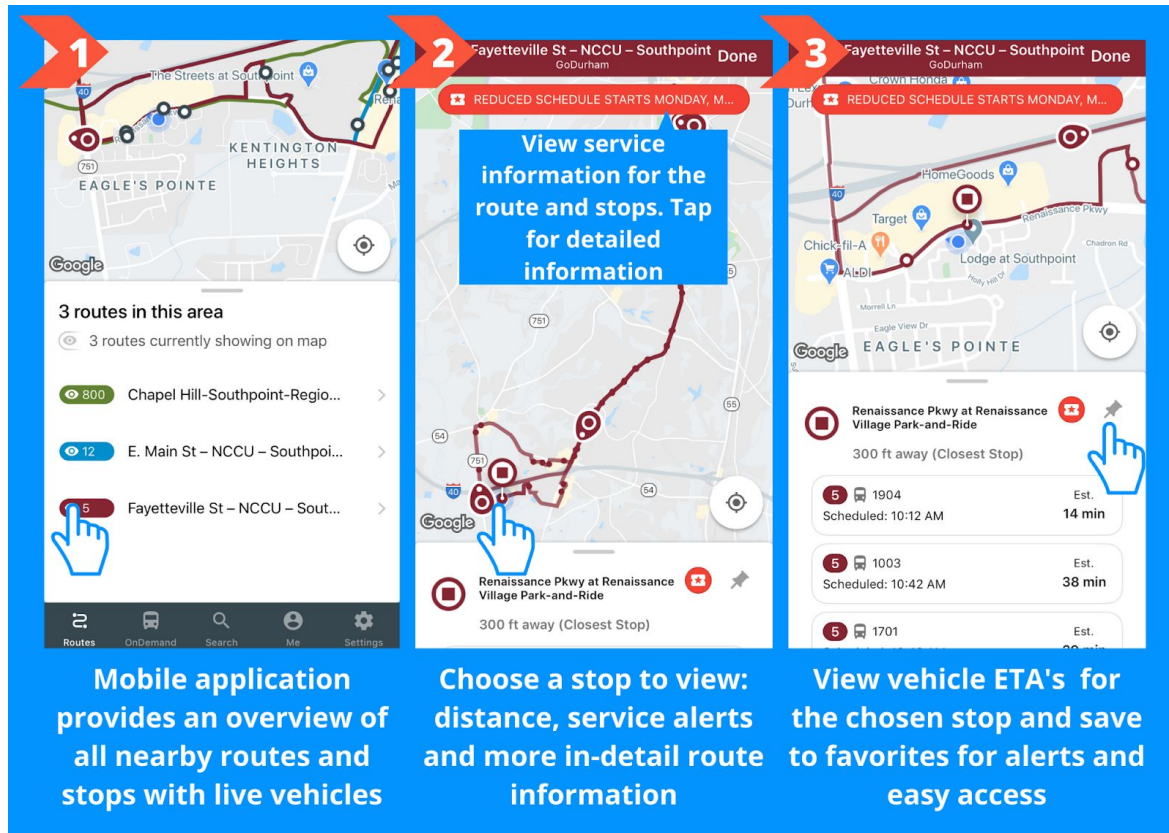
CMS shall be hardware agnostic and provide for management of signage hardware included in this procurement or procured independently by Topeka Metro (proposer to describe capabilities and constraints of this approach).

All signage hardware included in this proposal is compatible with the existing TransLoc/DoubleMap proprietary CMS system already in place at Topeka Metro. WaySine signs easily integrate into the existing AVL platform. Future hardware integrations are based on each individual piece of hardware equipment or software model and requirements. TransLoc is open to discussing desired integrations and examining potential hardware options in close detail to provide affirmation of our ability to interface with those systems. Our goal is to be transparent about our commitment to Topeka Metro on our ability to integrate or not. As a company that has existed since 2004 and over 1500 customers across various products, we have worked in the past to accommodate many desired integrations.

CMS shall be able to process arrival predictions and real-time information data stream(s) output from Topeka Metro's DoubleMap CAD system.

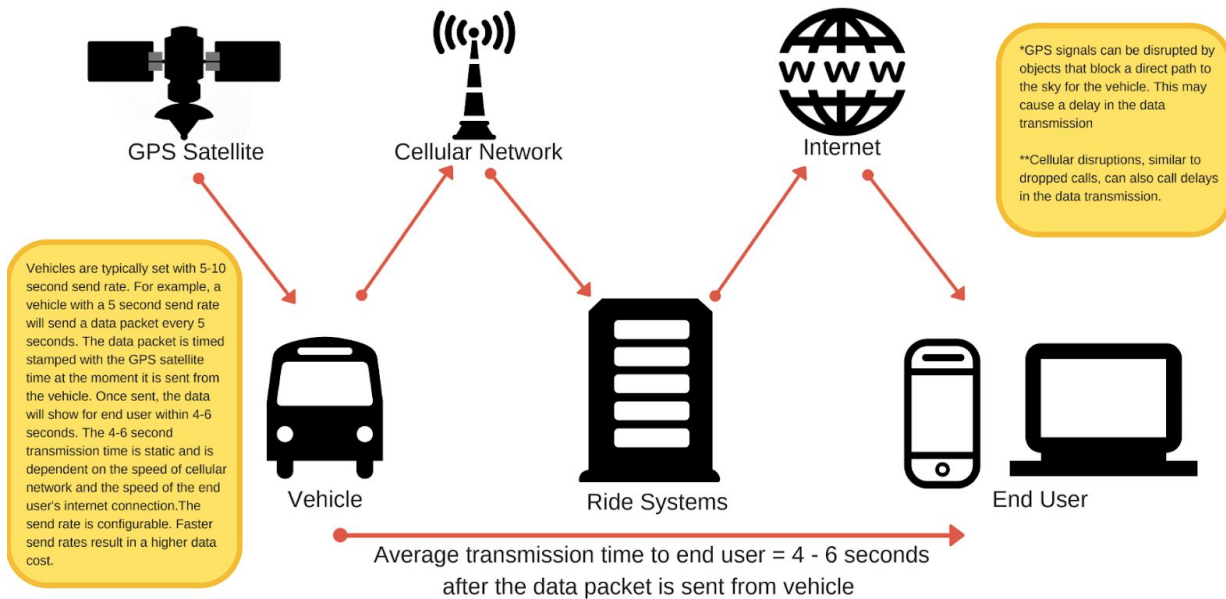
TransLoc's information can be displayed on internet enabled signage which will be provided and installed by TransLoc and our partner WaySine. These signs will be installed at Topeka Metro's designated locations to provide bus riders information regarding bus locations, real-time arrival predictions, and other transit information. TransLoc provides the data feed for these transit display signs or monitors.

The predictive arrival algorithm uses scheduled data and bus location as a basis for estimations, and weighs the current situation into near-term predictions, along with historical data. The **frequency of reporting** real-time vehicle location from the Mobile Data Terminal is **every 2 seconds** with the public and agency dashboard showing an auto refresh rate of every **3-5 seconds**. For anomalous situations, such as off-route buses or unplanned detours, the algorithm will give a best-effort prediction and then re-do the predictions once the bus has returned to its designated route path. Users can click on or search for a route and stop to easily view the upcoming ETAs for each stop and route information.



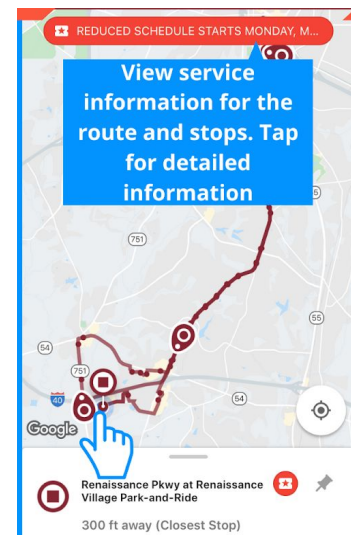
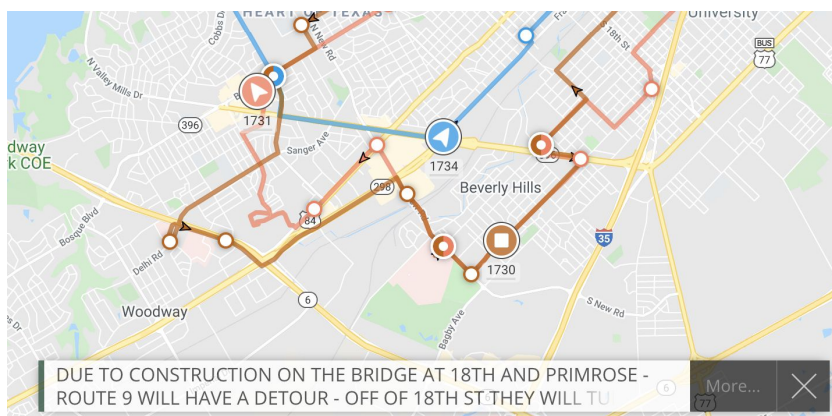
Riders can view all nearby routes, trip information, service alert information, distance to specific stops, and customize favorites all within 3 steps.

This accurate and constant update allows for accurate data, such as that used to acquire vehicle historical location data. Topeka Metro can view important vehicle information on the admin dashboard and re-route vehicles at a moment's notice if needed. The image below provides some more information on how this service works. This is how TransLoc makes sure that both administrators and passengers are receiving the information they need. Admin can view important vehicle information on the admin dashboard and re-route vehicles at a moment's notice if needed. Additionally, passengers do not waste time standing at bus stops or worse, miss their bus as they can view the vehicles in real-time and receive alerts and updates via push notifications and SMS texts upon subscription.



CMS shall allow for publishing of service alerts and other customer messages from desktop computer or mobile platforms.

Through the TransLoc platform, administrators can instantly send out announcements and notifications alerting riders to special events, emergency changes, and much more. Additional alerts and service announcements can be directly **posted on** the rider-facing live map both on the **browser and mobile app** (image examples below).



Riders can view service changes, outages, and announcements for the overall route and even individual stops on the mobile app. This message can be expanded to provide more information and link to the agency website. Dispatch can also mark vehicles as paused or on break, which takes them off the map to avoid confusion for riders in case of any service disruptions.

CMS shall allow for remote editing of signage content/layout and enable remote publishing of service alerts to digital signs as well as other communication channels. Additional functionality not required includes the ability to integrate and push these alerts to agency's website, GTFS-RT service alerts, on-board ADA announcements, and social media.

All devices are supported remotely. We have the ability to visually see the sign, camera image on the APS (if installed) and tablet. The PepWave GPS router acts as the **main hub** for several services including: GPS tracking, Wi-Fi Hotspot, and communication device for signage and APCs. Remote Assistance is done through InControl, which helps with WiFi setup, GPS tracking information, and bulk push configurations. With the VPN, TransLoc has the ability to remotely connect to the devices connected via ethernet. The data allowed per device is 100mb/device/day.

TransLoc provides Topeka Metro Administrators with direct access to easily and instantly send out announcements and notifications alerting riders to special events, emergency changes, and much more. Each route can have all its stops edited and signs can also be managed by route. The level of detail for editing routes on TransLoc's platform allows for specifications on schedules and even specific coordinates to be edited to allow for accuracy. Additional alerts and service announcements can be directly **posted on** the rider-facing live map both on the **browser and mobile app**.

Additional Functionality

TransLoc is equipped with GTFS (static) and GTFS-RT capabilities. TransLoc will have access to Topeka Metro's latest GTFS static feed as a DoubleMap client. Maintaining the feed within our platform is critical to publishing GTFS-RT, as the static and RealTime feeds must match exactly and come from the same source. Described below is the process TransLoc follows to provide static GTFS export capability as well as GTFS-RT and professional services.

1. GTFS report is exported from the applicable client's secure site.
2. GTFS report can be run through a GTFS validator tool to look for any errors. (TransLoc can manage this as a professional service for an additional cost).
3. Any errors are corrected.
4. GTFS file can then be uploaded to Google. (TransLoc can manage this as a professional service for an additional cost).
5. Anytime there are route, stop, schedule adjustments, a new GTFS file needs to be created and the process starts over.
6. Once the client has an approved GTFS feed TransLoc can then give the client the GTFS-RT link to give to Google or Apple.

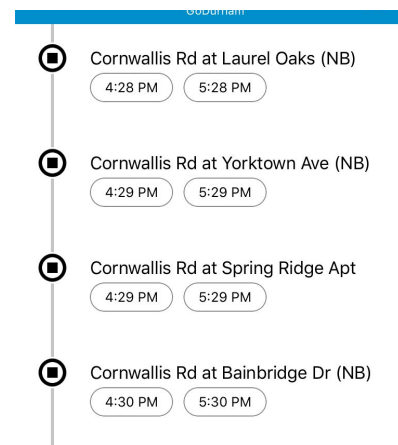
WCAG 2.0 AA Compliance

The TransLoc app will be **WCAG 2.0 AA compliant by the end of 2020**. This has been a high priority within the product roadmap, to ensure the application is accessible beyond just individual features. WCAG 2.0 compliance guidelines will ensure accessibility is fair and equitable across a wide range of limited mobility users. Following these guidelines will make the application more usable to users in general.

WCAG, which refers to Web Content Accessibility Guidelines, is published by the World Wide Web Consortium's Web Accessibility Initiative, and is the world's main organization for Internet standards. Covering a wide range of recommendations, WCAG is intended to make web content more accessible for persons with blindness and low vision, deafness and hearing loss, learning disabilities, cognitive limitations, limited movement, speech disabilities, photo sensitivities and for all user agents, including highly limited devices, such as mobile phones.

The TransLoc app in compliance with WCAG 2.0 includes:

- Adapting map content into an accessible list, making it possible for accessibility users to explore routes and stops.
- Enhanced accessibility of interactions, like buttons and gestures, allow riders to more easily navigate to the stops most relevant to them.
- Screen reader capabilities have been fine tuned to provide a more natural language delivery of information and, if enabled, allow a user's device to read back the information related to routes, stops, arrival times, OnDemand service cards, and more.
- WCAG 2.0 compliance extends to include Spanish, including capabilities with screen readers.



Route Detail List View (WCAG 2.0 AA Compliance)

As an option, each route shows the entire route and every stop in a list view as an option for users. This also grants the ability for screen-readers to access routes, which makes the mobile application more accessible. If a specific route or stop is under construction or repair, it would be noted within the list view as well.

Automatic Voice Announcements

TransLoc is able to offer an automated voice annunciation (AVA) system which is fully automated and in line with the Americans with Disabilities Act of 1990 (ADA). TransLoc will provide state of the art signage that will work in tandem with the audio annunciation system to provide ADA compliant visual display messages to riders that correspond with audio announcements.

CMS will be accessible via mobile devices such as cell phones, tablets and laptop computers, and there will be no limit on the number of users with access to the management software. Training plus user manuals will also be included.

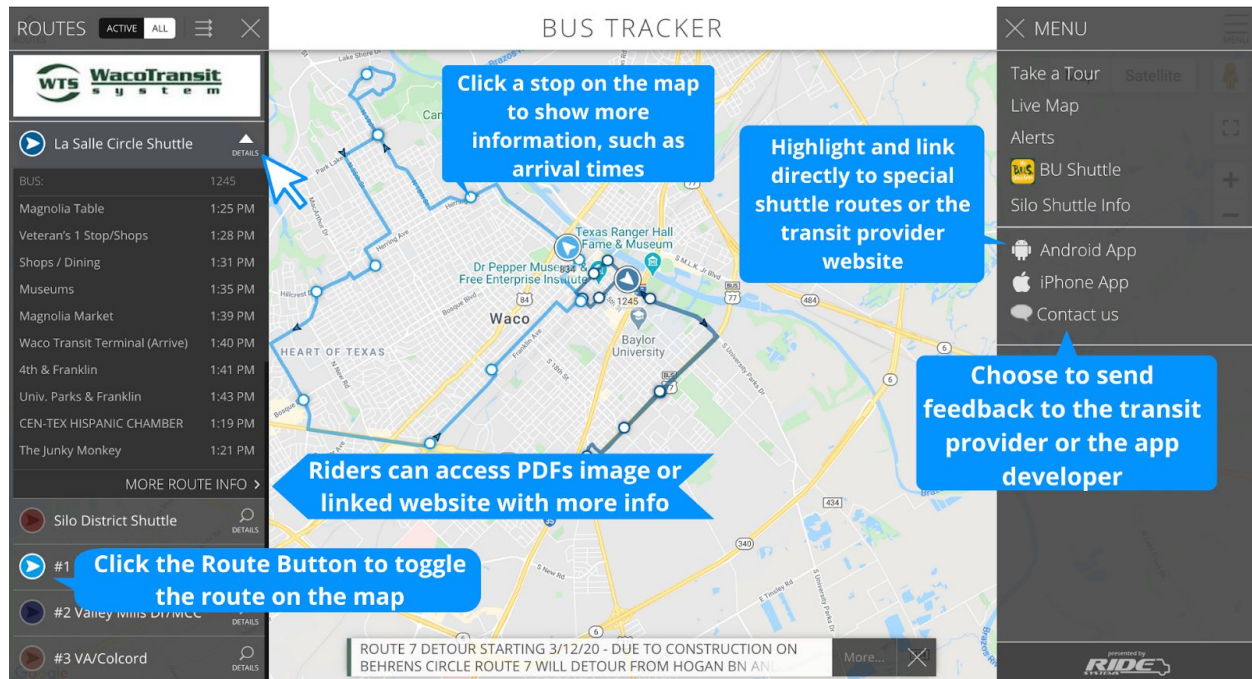
TransLoc offers multiple rider customer interfaces for viewing transit data, including a live public map, a mobile app, and display signage feeds. TransLoc has developed an updated mobile app version that is available to riders and provides a very user-friendly and aesthetic experience. To provide a consistent experience, many features are the same across both platforms.

The live public map shows the current location of all vehicles on route. Route and vehicle icons are color-coordinated for easy identification and the user can choose to view just one or multiple routes at the same time. If the service is implemented with an Automated Passenger Counter, this will also allow riders to see the ridership of each vehicle live.

Public Website

The map website will have a custom URL name with free access to the public and will be branded for Topeka Metro. The public map also features an alert text window that administrators can use to display messages they wish the users to read. Users can also click on routes, vehicles, or stops to get real-time ETA or scheduled time of arrival and next bus information. Each individual route can have a link or PDF document added for riders to access for more information. The website can be used with an existing domain using a subdomain or iframe. **Some capabilities to highlight from the public website include:**

- Ability to “Favorite” routes and stops.
- URL/Refreshing a page saves the highlighted routes and settings on a page.
- Bookmarking allows users to save exactly the settings toggled, which can provide easy access to specific routes or stops when revisiting the website.
- Beyond the route and stop information available on the left side of the dashboard, clicking on a vehicle shows its ETA information for its next 2 stops directly.
- Announcements can be expanded on to view all the posted information by the agency.
- “Find Me” button provides users with their updated location within the larger map.



Web browser rider facing interface breakdown

The **sidebar to the left** of the dashboard allows riders to view the details of that route. It shows the bus number, bus capacity, as well as upcoming stops with a correlating ETA, or can be configured to show scheduled arrival times. The **sidebar to the right** provides riders with additional links, which can be customized for each agency. These include: Contact Us, Website Links, and additional service information links. At the **bottom**, riders can read service information, updated by the agency.

Mobile Application

The TransLoc solution includes native mobile applications for **iOS** and **Android** and is the most popular way that users access the GPS transit information with over 450,000 downloads as of 2020. The app is available in **Spanish**, is **WCAG 2.0 compliant** to meet all mobile accessibility needs, and includes a **Trip Planner** in addition to a "Closest Stop" feature to access services for riders. The app was built with the goal to make it easy to ride the bus by providing bus riders the most important, up-to-date information available for all riders. The app includes access to the same great features available on the website, including vehicle and route information location, estimated arrival times, important announcements, viewing of multiple routes simultaneously, and locating the user's location. The app has the *option* to add on-demand capabilities since its built as a multi-modal solution.

Zero-Delay Tracking



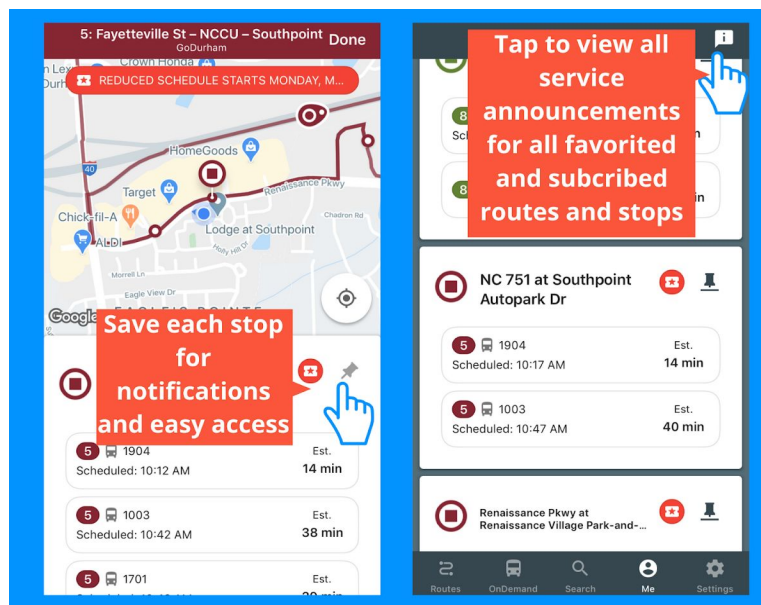
The Mobile Application has **Zero-Delay-Tracking**, while the Public website displays a 3-5 second auto-refresh rate. The mobile application is able to provide this accuracy due to recent Google Maps updates, and Technical Expertise to provide a seamless vehicle tracking visualization.

Arrival Notifications & SMS Text

Riders can choose a route or stop combination, which provides the rider with alerts notifying them of certain time announcements before a bus on the route reaches the desired stop. **Arrival notifications** notify riders once a bus is within a certain time threshold from the stop, so riders can better prepare when their ride arrives. Riders will be able to add arrival notifications to their favorite stops and adjust when they want to receive notifications about bus location (5 minutes away from stop, 10 minutes away, etc.). Once riders have chosen their notification timing preference, they will receive a push notification for their favorite stop based on the time notifications setup. **SMS Text capability is available.** TransLoc offers a text system which allows users to **place a text to 41411 and a stop ID** and receive a “next scheduled” stop time for a specific stop arrival response. TransLoc can also provide a chat message that allows the rider to **submit a question or comment** to the dispatcher/admin inbox.

Subscribe to Routes and Stops

Riders can subscribe to routes and stops for easy access through the “Me” (profile) tab. This allows users to manage the services they use often and receive notification information. TransLoc’s goal is to provide an intuitive mobile app that decreases the amount of steps it takes to navigate a service and that allows for a customized experience for riders to choose what they want to see and access.



Save stops to access them more easily and view announcements affecting the service

Other Mobile App Capabilities

Multiple Language Availability

TransLoc offers multiple languages for users. The language is read based on the user's settings, not on an app toggle. This means the app will translate if the user has their device language preference set to another language. Currently, the app is able to provide Spanish as a language offering. WCAG 2.0 accessibility compliance extends to include Spanish when using screen readers.

Text and Chat

TransLoc offers a text system which allows users to place a text to a number and receive a "next bus" arrival response. TransLoc can also provide a chat message that allows the rider to submit a question or comment to the dispatcher/admin inbox.

Closest Stop Visualization & Search Locations

Riders can search for locations in the routes tab or see the closest stops available near them. A button is available on the map within the mobile application that allows riders to center the screen on their own live location. Then the user can zoom out to find the closest stops and buses to their current location. Riders will see all surrounding routes, with their current location allowing the application to highlight the closest stops and the distance to those stops for easy access and understanding of the transportation services nearby.



Remember User Preferences

The mobile app is able to remember user preferences, such as chosen routes, map position, and zoom level. The rider facing app will allow users to set favorite routes and stops which will set map positions and zoom levels appropriately. All favorite/subscribed routes and stops will appear on a tab filtered for the rider for easy access. This does not apply to the desktop map.

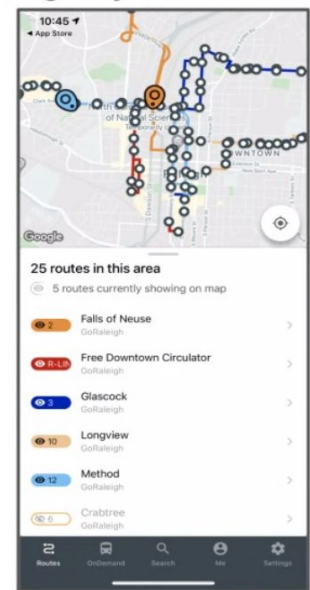
Deep Linking

TransLoc App will be able to deep-linking directly within an existing mobile application used to access services, such as a university application. Customers can link to the TransLoc app from another app they might utilize.

Routes Differentiate by Agency/Route Comparison

In an area that overlaps with other transit organizations? If multiple services are running simultaneously and open to the public, users can easily differentiate between each service. The mobile application will note what agency provides the service by different route colors and by providing a name

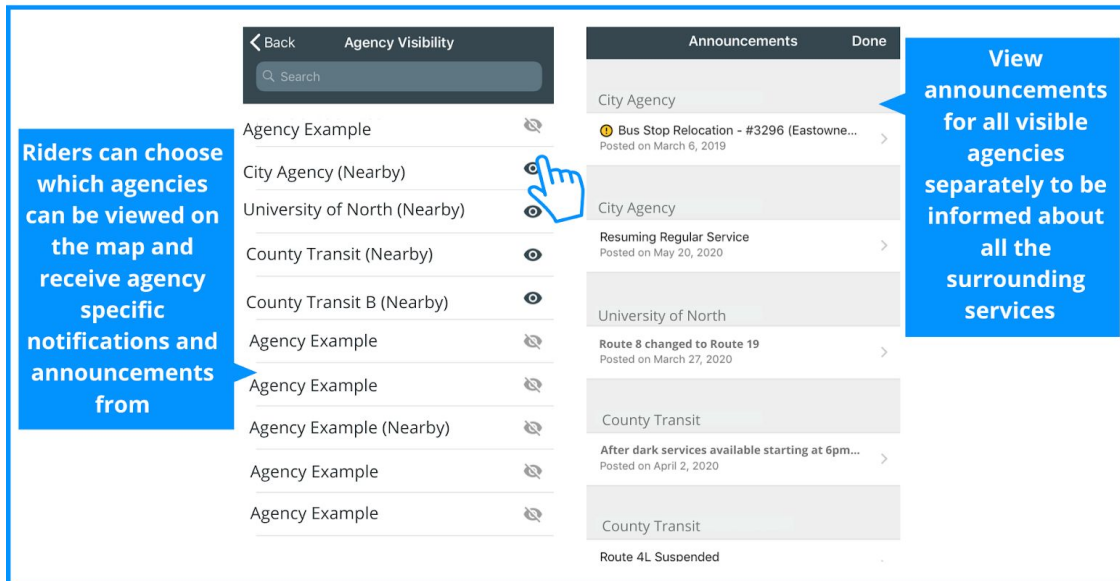
Agency + Routes



tag below the route to ensure riders are accessing only the services they need and aware of the options around them.

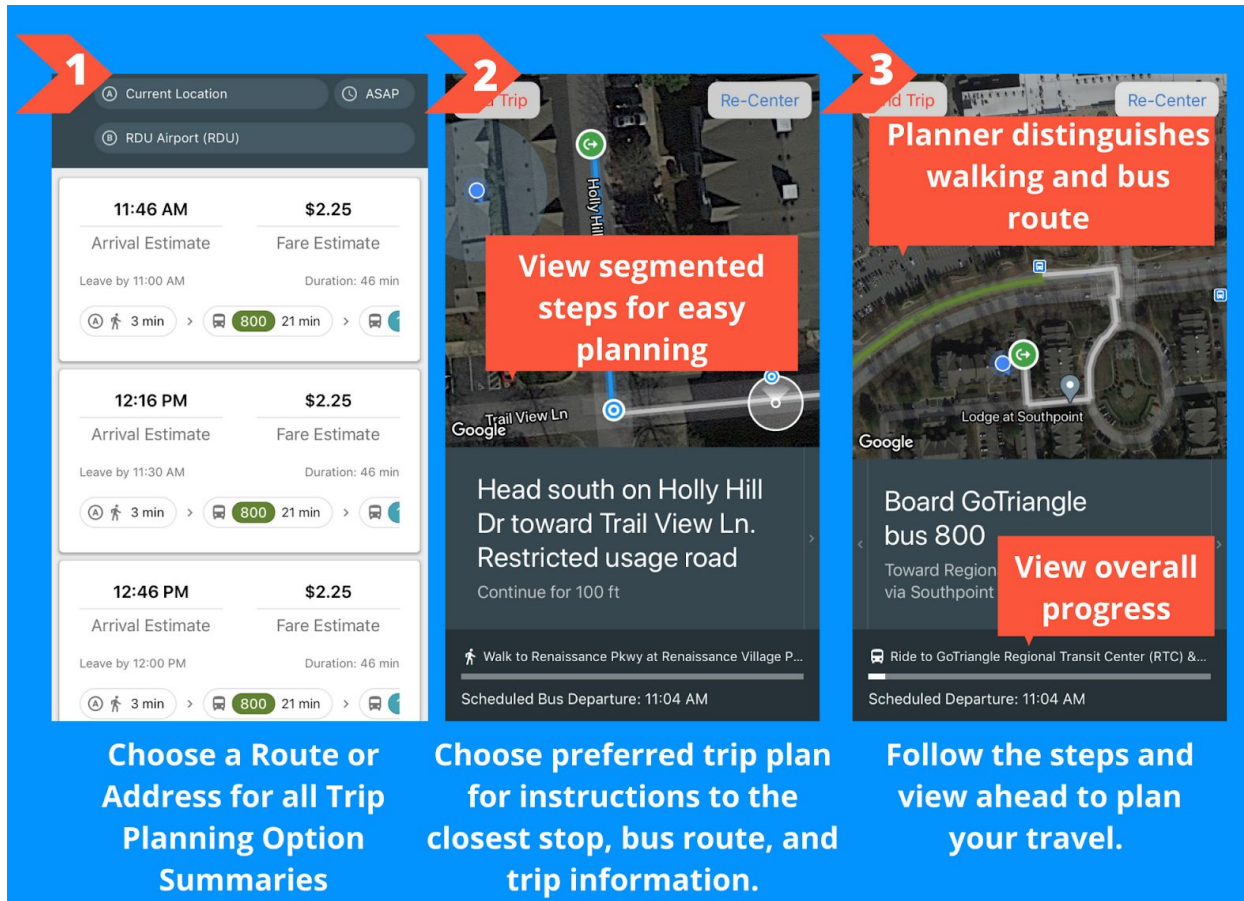
Choosing Agency Services to View

Users can customize which agencies they want to view, receive announcements from, and access organized service information by agency. Riders also can favorite and subscribe to individual stops to more easily access them, view filtered announcement information based on the stops they subscribe to, and receive notifications.



Riders can choose agencies that are relevant to them in order to see relevant announcement and notifications

Trip Planning



1 Choose a Route or Address for all Trip Planning Option Summaries

2 View segmented steps for easy planning

3 Planner distinguishes walking and bus route

View overall progress

Choose preferred trip plan for instructions to the closest stop, bus route, and trip information.

Follow the steps and view ahead to plan your travel.

Training Summary

All in-person training can be completed in one to two days. The training approach for this module of instruction is to provide a 2-3 hour block of instruction in person with all appropriate staff members. **Electronic and physical training materials and user guides** are provided at this point as well. This training occurs **prior to the system going live**. Follow-up refresher web conference training is available as needed. No third-party training is necessary. Currently, due to the Covid-19 pandemic, TransLoc is only offering web-based training.

At any time, TransLoc stands ready to conduct **refresher training** on any of its systems with Topeka Metro staff members. This can be done through a simple phone call or through a web conference if desired. The training, whether virtual or in person, will be recorded and provided to the client. This recording is both video and audio and can be referred to at any time.

The client will also be provided with access to TransLoc's help tools conveniently located on Google Drive. These include:

Admin Help Videos

- *Announcements*
- *Buses*
- *Dashboard*
- *History Report*
- *Logins*
- *Reports Page*
- *Route Creation*
- *Stop Creation*
- *Stops Main Page*

Documentation

- *Adding Buses to the Admin Site*
- *Administrative Site Reference Guide*
- *Approach Headings*
- *Manually Updating TransLoc*
- *Mobile App Rider's Guide*
- *Mobile Data Terminal (MDT) Install Guide for AVL*
- *Reports Write Out*
- *Tablet Bus Number Pairing*
- *Tablet Settings for Integrations*
- *Tablet Troubleshooting*

Experience and Qualifications

Since 2004, TransLoc has supported clients with fixed-route solutions at over **700 locations** across the United States and Canada, including major airports, municipalities, transit districts, universities, medical centers, employee shuttles, and other fleet tracking and passenger counting operations. TransLoc's core service has always been making it easy to ride the bus by providing GPS tracking services and applications for riders, fleet tracking administrative services for managers and dispatchers, and providing both indoor and outdoor versions of **LCD panel signage displays** for customers. Some other data points related to our core mission include:

- Total vehicles tracked in July was 9072.
- 2.1 billion fixed-route rides since inception.
- 600 million annual fixed-route rides.
- Total mobile application downloads: over 2.6 million unique app users
- 84 operator partners

Partnering with WaySine allows TransLoc to provide modern technology to transfer passenger information in real-time. WaySine delivers the transportation industry some of the most technologically advanced digital signs in the world. Their signs are designed to meet the demands of tomorrow whether in the emergence of Smart Cities or simply preserving future natural resources.

As technology evolved, so did TransLoc. **Types of services offered today include:** Fixed-Route Hardware and Software solutions, On-Demand software, Trip Planning, Multi-Modal Applications,

FORD MOBILITY



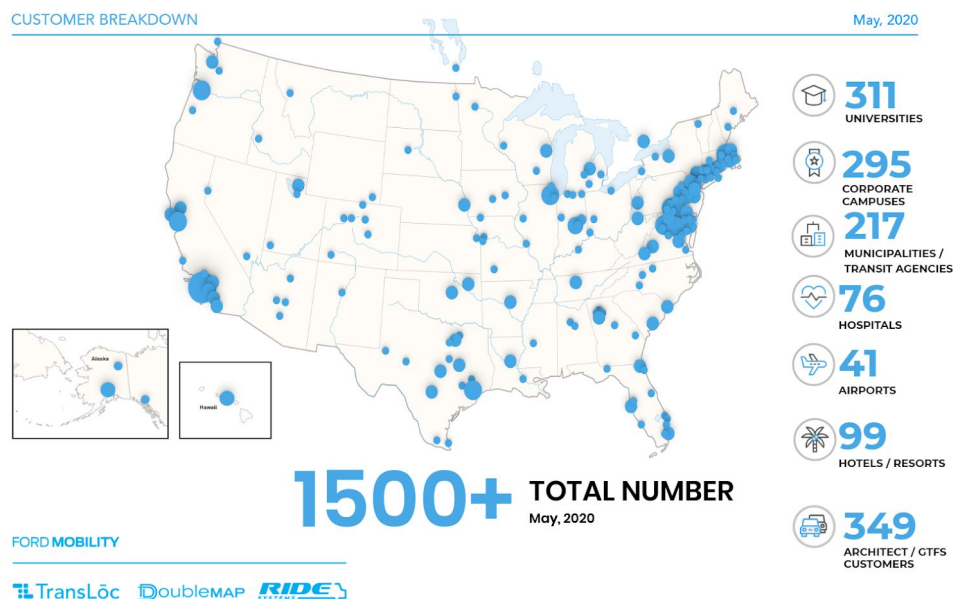
Mobile Payment Integrations, First/Last Mile solutions and professional services. Our product suite is built on four pillars:

1. Route Management - planning, creating and managing the core transit system*
2. Fixed-Route Operations - daily fixed-route operations management
3. Demand-Response Operations - daily on-demand operations management
4. Reporting & Analytics - understanding the system and making it better

*Professional services capabilities from service planning and design to marketing and data management.

Each of these pillars works with the others to create a fully-unified experience capable of delivering on the real promise of seamless mobility: all of the modes, all of the trips, and all of the solutions in one place. This, along with our professional service offerings allows transit providers to be at the core of their communities needs today while positioned to transition easily to the emerging transportation modes of the future.

With the backing of Ford Motor Company, **TransLoc, Ride Systems and DoubleMap** merged to provide more solutions and expand our capabilities. The combined team of **more than 170 employees** has a proven record of reliability in CAD/AVL technology and other modes of transportation with a total of over 40 years of experience in the transit space. All 3 companies are providing all company services together with all teams working collaboratively as **one entity now called TransLoc**. This is all for the purpose of providing a more robust and strong service as one team with the combined experience of 3 major ITS companies. TransLoc is experienced at implementing, training, and continually supporting clients and looks forward to the opportunity to partner with Topeka Metro in this and future transit endeavors.



Confidential & Proprietary 27

TransLoc continues to invest in customer success with professional implementation services and in-house customer support. TransLoc is in the business of empowering cities and transit agencies to remain central to the future of modern transportation. Together, TransLoc and Ford are ushering in the future of mobility with flexible microtransit solutions designed to deliver the ultimate rider experience.

The TransLoc Advantage

Trusted

- As a Ford Smart Mobility company, TransLoc' coverage now includes more than 1,500 locations.
- TransLoc has experience working in various industries including: municipalities, universities, airports, hospitals, hospitality, and corporate campuses, including Fortune 500 companies.

One-Stop-Shop

- TransLoc also provides on-demand transportation software for more flexible and specific needs, which can work in sync with fixed-route services for more robust capabilities.
- Hardware integrations are available as TransLoc strives to be a one-stop-shop partner with all desired hardware additions the agency needs and more.
- Free access to Architect GTFS software for public agencies, which grants the ability to create, update and manage General Transit Feed Specification data in a simple map-based interface.
- Accessibility to transit services are essential with new features being continually added such as the addition of multiple languages such as Spanish and Chinese to the mobile app.

Scalable and Future-proof

- Ability to download the GTFS Feed in order to update maps for riders in Google Maps and other services.
- With over 150 employees, TransLoc' company size is bigger than competitors and continues growing, which means a vast array of resources and support for transit agencies.
- TransLoc provides a personal approach by assigning one individual from the customer support team to be the primary contact for each client for any questions and future projects.

References

Please see TransLoc references below.

Greenville-Spartanburg Airport District

Address:

2000 GSP Drive, Suite 1
Greer, SC 29651

Primary Contact:

Cody Bauman, Director of Operations
864-848-6277
cbauman@gspairport.com

Salt Lake City Int'l Airport, UT

Address:

776 N Terminal Dr.
Salt Lake City, UT 84122

Primary Contact:

Cary Burnett, Management Services Professional
801-209-4117
Cary.Burnett@slcgov.com

Please see WaySine reference below.

City of Santa Monica - Big Blue Bus

Address:

1444 4th Street
Santa Monica, CA 90401

Primary Contact:

Eric Hoch
(310) 458-1975 x5834
eric.hoch@smgov.net

Warranty

WaySine Warranty for Signs and Installation

WaySine provides a standard 5 year warranty on all components including batteries for manufacturer defects. All components provided have a 10+ year life expectancy and are covered by WaySine's 5 year warranty.

WaySine Warranty

5 YEAR WARRANTY - LIABILITY FOR REPAIR AND REPLACEMENT ONLY All Way Sine products are warranted to be free from defects in material and workmanship and will be repaired or replaced at no charge to Buyer, provided return or rejection of product is made within a reasonable period but no longer than five (5) years from date of delivery.

This warranty does not cover any damage or discoloration caused by corrosion due to gases, liquids, or any other source, nor does it cover normal wear of any seals in its products and with gases other than air, or unless otherwise specified in the contract. Such returns are contingent on Way Sine's examination and reasonable satisfaction that any defects are covered by this warranty and that the Buyer has not returned the equipment in a damaged condition, due to any vandalism, vehicular impact, negligence, tampering, misapplication or product modification on the part of the Buyer or his agents. Way Sine shall not be liable for installation/removal charges, for expenses of Buyer for repairs or replacement, for damages from delay or loss of use, or other indirect or consequential damages of any kind.

Way Sine extends this warranty only to Way Sine products properly used and properly installed for the particular application for which intended and quoted, and this warranty does not cover products which have been modified without Way Sine's approval or which have been subjected to unusual physical or electrical stress, alteration, or tampering, or upon which the original identification marks have been removed or altered. Whenever the design of the equipment to be furnished or the system in which it is to be incorporated originates with the Buyer, Way Sine's warranty is limited specifically to matters relating to furnishing Way Sine equipment free of defects in materials and workmanship and Way Sine assumes no responsibility for implied warranties of fitness for purpose or use. Any replacement or repair shall be to Way Sine's factory, unless otherwise directed. No items shall be returned for warranty repair without prior written authorization from Way Sine.

Way Sine recommends installation of solar powered real time signage systems within 3 months of shipping from Way Sine manufacturing plant. Batteries will naturally self discharge while in storage. It is recommended that installation occur as soon as possible after delivery to ensure the maximum life cycle of batteries is recognized. Warranty will be void for systems that are not installed within 6 months of shipping from Way Sine manufacturing.

TransLoc Warranty

The life expectancy of TransLoc hardware is at least 5 years. TransLoc provides a one year warranty on all hardware according to the stipulations described in the warranty agreement included below. Normally, the process for replacing hardware, if necessary, is very quick, and TransLoc can have new hardware to the Topeka Metro within days of the initial notification. TransLoc can also provide extended warranties if desired.

TransLoc Warranty

1.1 Service Warranty. Company represents and warrants that the Service will substantially conform to the Documentation during the Term.

1.2. Pass-through of Third Party Warranties. In the event any third party materials are provided to Customer hereunder, either as part of the Services or as necessary or incidental to Company's provision of Services (including hosting services), Company shall pass through to Customer all representations, warranties and covenants from such third party providers, in addition to any representations, warranties and covenants provided by Company in this Agreement.

1.3. Implementation Services Warranty. Company represents and warrants that the Implementation Services will be performed in a professional manner consistent with standards in the industry.

1.4. Exclusive Remedy. Sections 1.1, 1.2, and 1.3 set forth Customer's exclusive remedy for breach of the related warranties.

1.5. Warranty Limitations. Company is not responsible for failure of the Service to conform to the Documentation or to provide accurate information with respect to the location, time, status, availability or existence of Customer's Vehicle Fleet if the Equipment is (i) damaged, blocked, modified, disassembled, vandalized, destroyed, or interfered with; (ii) subjected to extreme temperatures, flooding, over-voltage, electrical surges, misapplication of electrical power, or caustic chemicals; (iii) improperly installed or maintained by Customer or any third party; or (iv) used for a purpose other than as intended by Company, including but not limited to use in a configuration not recommended by Company.

1.6. Disclaimer. EXCEPT AS EXPRESSLY PROVIDED HEREIN, COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTIES ARISING FROM TRADE USAGE OR COURSE OF DEALING. IN ADDITION, THE SERVICE DEPENDS UPON DATA BEING TRANSMITTED OVER THE INTERNET, CUSTOMER'S NETWORK, GPS SATELLITES, AND THIRD-PARTY CARRIER NETWORKS, AND AS COMPANY HAS NO CONTROL OVER THE FUNCTIONING OF THE INTERNET, THE SERVICE IS OFFERED ON AN "AS-AVAILABLE" BASIS. COMPANY DOES NOT WARRANT THAT THE SERVICE WILL OPERATE UNINTERRUPTED OR ERROR-FREE.

Appendix

Attachment A: Cover Letter Form

Attachment B: Disadvantaged Business Enterprises (DBE) Certification

Attachment C: Non-Collusion Certification

Attachment D: Suspension/Debarment Certification

Attachment E: Topeka Metro Price Quote Form

Attachment F: WaySine Specification Sheets

Attachment G: TransLoc Exceptions

Attachment H: Supplemental TransLoc and WaySine Pricing Sheets

**COVER LETTER****Proposer Information**

Company Name	TransLoc
Address	4505 Emperor Blvd., Suite 120
City, State, Zip	Durham, NC 27703
Main Phone	888-959-3120

Contact Person Information

Name	Kevin Fowler
Job Title	VP of Finance
Phone	(919) 749-7848
Alt. Phone	N/A
Email	kevin.fowler@transloc.com

Signature

DocuSigned by:
Kevin Fowler
D2B94E48C66C431...

Date:

10/27/2020

**DISADVANTAGED BUSINESS ENTERPRISES (DBE) CERTIFICATION**

This contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, *Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs*. The national goal for participation of Disadvantaged Business Enterprises (DBE) is 10%. Metro's overall 2019-2021 goal for DBE participation is 2.00%; the race neutral goal is 1.12%, and the race conscious goal is 0.88%. There is no contract goal for this procurement.

The contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of this DOT-assisted contract. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as Metro deems appropriate. Each subcontract the contractor signs with a subcontractor must include the assurance in this paragraph (see 49 CFR 26.13(b)).

The contractor is required to pay its subcontractors performing work related to this contract for satisfactory performance of that work no later than 30 days after the contractor's receipt of payment for that work from Metro.

The contractor may not hold retainage from its subcontractors.

The contractor must promptly notify Metro, whenever a DBE subcontractor performing work related to this contract is terminated or fails to complete its work, and must make good faith efforts to engage another DBE subcontractor to perform at least the same amount of work. The contractor may not terminate any DBE subcontractor and perform that work through its own forces or those of an affiliate without prior written consent of Metro.

Signature:

DocuSigned by:
Kevin Fowler
D2B94E48C66C431...

Name and Title: Kevin Fowler, VP of FinanceCompany Name: TransLocDate: 10/27/2020

**NON-COLLUSION CERTIFICATION**

This is my sworn statement to certify that this proposal was not made in the interest of or on behalf of any undisclosed entity. This proposal is not collusive.

This proposer has not been a party to any agreement or collusion in restraint of freedom of competition by agreement to bid a fixed price, to refrain from bidding, or otherwise. This proposer has not, directly or indirectly, by agreement, communication or conference with anyone, attempted to induce action prejudicial to the interest of Topeka Metropolitan Transit Authority, or of any proposer, or anyone else interested in the proposed contract.

Signature:

DocuSigned by:

Kevin Fowler

D2B94E48C66C431...

Name and Title: Kevin Fowler, VP of FinanceCompany Name: TransLocDate: 10/27/2020

**SUSPENSION / DEBARMENT CERTIFICATION****In regard to 2 CFR Parts 180 and 1200**

In accordance with 2 CFR Parts 180 and 1200, the contractor is required to verify that none of its principals or affiliates:

- 1) is included on the federal government's suspended and debarred list;
- 2) is proposed for debarment, declared ineligible, voluntarily excluded or disqualified;
- 3) within three years preceding this proposal, has been convicted of or had a civil judgment rendered against them for (a) commission of fraud or criminal offense pertaining to performing a public transaction, (b) violation of any federal or state antitrust statute, or (c) embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
- 4) is indicted or charged by a governmental entity for any of the charges in 3) above; and
- 5) has had any public transaction terminated for cause or default within three years preceding this proposal.

The contractor is required to include this requirement in any subcontracts related to this contract.

By signing and submitting its proposal, the proposer certifies that the certification in this clause is a material representation of fact relied upon by Metro. If it is later determined that the proposer knowingly rendered an erroneous certification, in addition to remedies available to Metro, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The proposer agrees to verify that none of its principals or affiliates is included on the federal government's suspended and debarred list at any time throughout the period of this contract. The proposer further agrees to include a provision requiring the same compliance in its subcontracts related to this contract.

Signature:

DocuSigned by:
Kevin Fowler
D2B94E48C66C431...

Name and Title: Kevin Fowler, VP of FinanceCompany Name: TransLocDate: 10/27/2020

PRICE QUOTE

Required

Per Unit – Include Installation

	\$2,400
Interior Display Unit - Maps	\$ _____
	\$2,400
Interior Display Unit – General Information	\$ _____
	\$2,750
Interior Display Unit – Arrival/Departure	\$ _____
Exterior Display Unit – Maps	\$ _____
Exterior Display Unit – General Information	\$ _____
	\$6,000
Exterior Display Unit – Arrival/Departure	\$ _____
	Included
Content Management System	\$ _____
	\$680 Annually
Technical Support Cost	\$ _____
	Included
Warranty Cost	\$ _____

Additional Costs (list):

List all additional costs below. Any cost other than those listed on this price quote will not be paid.

Outdoor Signage Cellular Fees	\$240 per unit, annually
_____	\$ _____
Indoor Signage Cellular Fees	\$200 per unit, annually
_____	\$ _____
	\$37,620
Total Cost	\$ _____

Estimated Start Date	Day after award date	2.5 - 4 months from start date
_____	_____	Estimated Complete Date
		pending hardware availability
		(can meet June 30th deadline)

Warranty

Warranty Length	5 years (Waysine), covered further in RFP content
Warranty Coverage	Covered in RFP language
Extended Warranty Cost (per year)	\$ _____

Topeka Metro is tax exempt. Do not include sales tax in your proposed price.

FEATURES & BENEFITS

- Solar powered with long-life battery backup
- Completely wireless – does not require power or data infrastructure
- ADA compliant annunciator announces next bus arrival for the visually impaired.
- Communicates via ISM or cellular radio
- Easy to install in just minutes using simple hand-held tools.
- Available for emergency or PSA messages.
- Easily managed from the WayManager dashboard.
- Low maintenance – designed to last in severe weather
- Built-in diagnostics monitor power, display segments, temperature and other features to provide early failure detection.
- Integrates with existing CAD AVL, GTFS-RT, API

Shelter Mounted LED Solar Signs



WaySine designs and manufactures light weight solar powered passenger information display signs. The LED solar powered shelter signs are robust, easy to install and aesthetically pleasing.

Our signs feature external solar panels, batteries and antenna - all built into a compact aluminum case to provide protection from the harshest environments.

WaySine easily integrates with your existing AVL system to display real-time arrival information. The system accepts files complying with Google's GTFS-Real Time specifications and others.

System Specifications

Operating Temperature: -40 to 70 C (-40 to 158 F)

Humidity: 10-100% - Non-condensing protective plate

Housing: IP65, UV-proof, NEMA 4X compliant,
Extruded aluminum with black anodized finish

Display: LED, 15 x 96 pixels per display line with 4.5mm pitch,
ADA compliant 2" character height

Wind Rating: Up to 150 mph

Solar Power: 25W peak solar power

Battery: Lithium Iron Phosphate (LiFePO4).
Estimated battery life of 10+ years.

Communications: Cellular radio – 4G/LTE



FEATURES & BENEFITS

- Solar powered with long-life battery backup
- Completely wireless – does not require power or data infrastructure
- Communicates via 4G/LTE
- Easy to install in just minutes using simple hand-held tools.
- Easily managed from the WayManager dashboard.
- Low maintenance – designed to last in severe weather
- Built-in diagnostics monitor power, GPS location, temperature and other features to provide early failure detection.

Pole Mounted Solar Powered Lighting



WaySine designs and manufactures light weight solar powered bus stop amenities. The lights feature a unique unibody design that is stronger & more efficient than traditional solar powered lights.

Our signs feature front and back solar panels, batteries and antenna - all built into a compact aluminum case to provide protection from the harshest environments.

System Specifications

Operating Temperature: -40 to 70 C (-40 to 158 F)

Humidity: 10-100% - Non-condensing protective plate

Housing: IP65, UV-proof, NEMA 4X compliant
Extruded aluminum with silver anodized finish

Light Activation: Automatic Dusk / Dawn
PIR motion activated

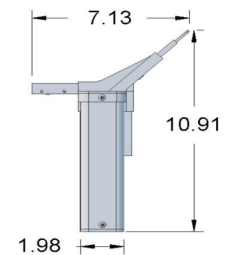
Wind Rating: Up to 150 mph. Wind load calculations available.

Solar Power: 15W

Battery: Lithium Iron Phosphate (LiFePO4).
Estimated battery life of 10+ years.

Communications: Cellular radio – 4G/LTE

Light Output: 7fc from 10ft / 300 lumen
6 ft diameter footprint



Section	Item	Addition/Modification	Comments
	<ul style="list-style-type: none"> Service Life 	<ul style="list-style-type: none"> All hardware and equipment that is purchased through this contract from the Contractor for Project, excluding consumable material (material that needs continuous replenishment), shall be certified to have a five-year minimum service life as specified by the manufacturer to withstand all weather-related elements, with ten-year service life being preferred. 	
1.0	<ul style="list-style-type: none"> Access to Records: Modify per Column C 	<ul style="list-style-type: none"> The Contractor agrees to provide Metro, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, relevant documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions validating invoices. 	
2.0	<ul style="list-style-type: none"> Assignment and Delegation: Modify per Column C 	<ul style="list-style-type: none"> Contractor shall neither delegate any duties or obligations under this contract, nor assign, transfer, convey, sublet, subcontract or otherwise dispose of the contract or its right, duty, title or interest in or to the same, or any part thereof, without previous written consent of Metro 	Company subcontracts under normal course of business
14.0	<ul style="list-style-type: none"> Insurance: Modify per Column C 	<ul style="list-style-type: none"> Contractor shall maintain for the duration of the contract such insurance, with types and limits in Contractors sole discretion, as will protect it and Metro from all claims, including Workers' Compensation, and will hold Metro harmless from, and indemnify Metro for, all claims and damages which may arise out of or result from the Contractor's operations under this contract, whether such operations are by Contractor, by a subcontractor, by anyone directly or indirectly employed by them, or by anyone for whose acts any of them may be liable. Contractor will submit certificates or other proof of insurance to Metro, naming Metro as an additional insured, upon notification of contract award. 	
21.0	<ul style="list-style-type: none"> Termination: Modify per Column C 	<ul style="list-style-type: none"> Termination for Convenience – Metro may terminate this contract, in whole or in part, at any time by written notice to the contractor when it is in the Metro's best interest. The contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The contractor shall promptly submit its termination claim to Metro to be paid to the contractor. If the contractor has any property in its possession belonging to Metro, the contractor will account for the same, and dispose of it in the manner Metro directs. Termination for Default – If the contractor does not deliver supplies in accordance with the contract delivery schedule, or, if the contract is for services, the contractor fails to perform in the manner called for in the contract, or if the contractor fails to comply with any other provisions of the contract, Metro may terminate this contract for default. Termination shall be effected by serving a Notice of 	

		<p>Termination on the contractor setting forth the manner in which the contractor is in default. The contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract. If it is later determined by Metro that the contractor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the contractor, Metro, after setting up a new delivery of performance schedule, may allow the contractor to continue work, or treat the termination as a termination for convenience. Either party may terminate this Agreement if the other party materially breaches any of the terms and conditions of this Agreement and it is not cured:</p> <ul style="list-style-type: none"> ○ Within ten (10) days after written notice if the breach relates to payment of Fees; or ○ Within thirty (30) days after written notice for any other breach. <ul style="list-style-type: none"> • <u>Effect of Termination or Expiration.</u> Upon termination or expiration of this Agreement for any reason, (i) the Customer's license for Company and right to access and use the Service automatically terminates, and (ii) the Customer's right to receive, view and/or access the Service Data automatically terminates. Termination of this Agreement does not relieve Customer of its obligation to pay monies due Company. • <u>Opportunity to Cure</u> — Metro in its sole discretion may, in the case of a termination for breach or default, allow the contractor ten (10) days in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions. If contractor fails to remedy to Metro's satisfaction the breach or default of any of the terms, covenants, or conditions of this contract within ten (10) days after receipt by contractor of written notice from Metro setting forth the nature of said breach or default, Metro shall have the right to terminate the contract without any further obligation to the contractor. Any such termination for default shall not in any way operate to preclude Metro from also pursuing all available remedies against contractor and its sureties for said breach or default. 	
13.0 & 17.0	<ul style="list-style-type: none"> • Indemnification and Patent Infringement: Delete in their Entirety and Replace with verbiage in Column C 	<ul style="list-style-type: none"> • If a third party claims that the service provided to the City (Customer) by the Company under this agreement infringes that party's United States patent or copyright, Company shall defend The City and the City's Affiliates against that claim and shall pay any losses, liabilities, damages, judgments, awards, expenses, and costs, including reasonable attorneys' fees that a court finally awards against the 	

		<p>City, provided that the City (i) promptly notifies Company of the claim and (ii) permits Company to control and cooperates with Company in the defense and any related settlement negotiations. The City may participate, at The City's own expense, in the defense of such claim.</p> <ul style="list-style-type: none">• If any part of the Service is, or in Company's reasonable judgment may become, the subject of any such proceeding Company may, at its expense and option, do one of the following: (i) procure for the City the necessary right to continue using the Service and Equipment; (ii) replace or modify the infringing portion of the Service or Equipment with a functionally equivalent non-infringing item or portion thereof, or (iii) if none of the foregoing are commercially reasonable, terminate the City's right to use the Service or the affected portion thereof, and refund to the City an amount equal to the prepaid Service Fee or the affected portion thereof and the Equipment Cost, less amortization for its use on a straight line basis over a period of five (5) years from the Effective Date. The preceding sets forth Company's only obligations and The City's sole and exclusive remedies with respect to infringement or misappropriation of intellectual property rights. <p>Company will not be liable hereunder for any claim of infringement based upon (i) the combination of the Service, or any part of the Service, or the Equipment with any product, software, hardware, machine, or device which is not provided by Company or identified by Company in its specifications as necessary to operate the Service, (ii) any modification of the Service or Equipment by a party other than Company, or (iii) the use of a version of the Service other than a current, unaltered release of the Service if such infringement would have been avoided by the use of a current, unaltered release.</p>	
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4505 Emperor Blvd #120
Durham, NC 27703

Pricing Exhibit - Confidential

DATE: October 28, 2020
TO: Richard Appelhanz
Topeka Metro

*Price remain firm for 60 days

LN	Note	Hardware	Item	Qty	Unit Price	Subtotal	
						Capital	Subscription
1			Digital Signage (Outdoor)				
2	a./b.	x	Indoor LED Display (32X96RGB-C-OD)	2	\$ 2,750.00	\$ 5,500.00	
3	a./b.	x	Indoor LCD Display	2	\$ 2,400.00	\$ 4,800.00	
4			Indoor Display Sign Installation	4	\$ 1,200.00	\$ 4,800.00	
5			Digital Signage Setup Fee	1	\$ 1,000.00	\$ 1,000.00	
6	a.	x	Router	4	\$ 400.00	\$ 1,600.00	
7		**	Indoor LED Display Subscription & Support	4	\$ 100.00		\$ 400.00
			Cell Data				
8			Annual Cellular Data Service	4	\$ 200.00		\$ 800.00
9			Shipping Costs	1	Included		

Notes	
a.	Includes: all necessary cabling & hardware
b.	Hardware size can be scaled up or down depending on project requirements
x	Hardware - invoiced upon shipment to Customer
**	Subscription costs invoiced upon installation of hardware
Standard processing terms - NET 30	

Quote Summary		
Capital Costs	\$	17,700.00
Subscription Costs	\$	1,200.00
Total for First Year	\$	18,900.00
Total for 1 Year Contract	\$	18,900.00

*All applicable sales/use tax are additional
*Subscription costs represented as annual

WaySine LLC

Topeka KS

2020-10-26

FOB: Topeka, KS

Prepared for: TranLoc

Note: USD. Pricing good for 90 days, for quantities indicated.

QTY

Shelter mounted LED Solar Signs - 24 Char	2
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2 line x 24 char, LED, Shelter Mount Display	\$6,000.00	
ADA Audio Annunciator + 5 year Warranty	included	
Total per sign	\$6,000.00	\$12,000.00

Pole mounted LED Solar Signs - 24 Char	1
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2 line x 24 char, LED, Pole Mount Display	\$6,000.00	
ADA Audio Annunciator + 5 year Warranty	included	
Integrated LED lighting	included	
Total per sign	\$6,000.00	\$6,000.00

Other	3
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Cellular Fees (annually per sign)	\$240.00
Annual subscription fees	\$280.00

Total	\$18,720.00
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Standard Warranty

Five year factory warranty on parts only

Warranty only covers parts returned to WaySine for repair or replacement

WaySine reserves the right to use refurbished parts on warranty repairs

Warranty does not cover acts of vandalism or mis-use of equipment

Approved By:

Date:

Standard pricing does NOT include

Taxes

Installation of equipment

Liquidated damages

Site survey

Removal of signs

Certified technical drawings

Payment terms

Cellular data plan annual service fee is invoiced at the beginning of each service year

Payment terms: 30 days from invoice

Other terms

Transit agency is responsible to provide AVL data feed to WaySine free of charge

Transit agency is responsible to provide bus route schedules (in electronic format) to WaySine free of charge

WaySine is not responsible for quality and accuracy of Real Time bus arrival predictions coming from AVL system provider

WaySine does not take responsibility for quality of cellular signal each shelter location

Pricing valid for 90 days

CONFIDENTIAL