



TO: YCTA Board of Directors and Yamhill County Board of Commissioners
FROM: Cynthia Thompson, Transit Manager
Cc: Ken Huffer, Carolina Rook, Keri Hinton
DATE: January 25, 2019
Re: Board Action Items for Yamhill County Transit

**Yamhill County Transit Action Items for
Yamhill County Board of Commissioners
January 31, 2019**

Project Description:

Real-time communications system project; vendor approval

Board Action:

Approve Connexionz Ltd. as the vendor to provide real time communications system and authorize County Administrator and County legal counsel to finalize the \$95,000 service and maintenance agreement for year 1, and \$23,000 annual maintenance agreement for years 2 and 3.

Background Info:

YCTA was approved for an STF Discretionary Grant in 2016, grant agreement 31391 authorizing \$299,000 to purchase an advanced communication system for YCTA. This project is the final communications project to be implemented as part of this grant. The other projects are completed or in process and include, new mobile radios for the fleet of 30 buses, and a new scheduling software system for demand response services. The scheduling software CTS includes valuable reporting capabilities that will assist YCTA with grant reports and performance measurement standards.

This procurement process met the Federal Transit Administration, ODOT, County, and YCTA guidelines. In 2016-17 staff gathered information and participated in numerous webinars with vendors from across the county. The County IT staff participated in these



webinars. This process provided valuable information and informed our process prior to staff preparing the Request for Quotes. A bid analysis is attached with timeline and vendor details.

This real time information system is a cloud hosted software system with route management and editing features allowing route and schedule modifications to be easily made. The final bid from Connexionz Ltd for this system is \$95,000 for the first year including the first year maintenance agreement. The annual maintenance agreement for years 2 and 3 of the agreement is \$23,000/year. If the board approves the new surveillance system (proposal to board in February) for the YCTA fleet it will reduce YCTA annual fees for Drive Cam/LYTX by \$20,000 and offset the annual maintenance agreement costs for this system.

Below is a brief summary of the system;

The computer aided dispatch and automatic vehicle location tool provides;

- Real time trip, block, run, driver, vehicle, timepoint, and stop information of fixed route vehicles.
- Vehicle location views of fixed route and paratransit vehicles
- Real time schedule adherence and on-time performance tools
- Ability to message a driver tablet from the application
- Performance alert tools and ability to re-dispatch drivers or send relief buses into service
- Ability to integrate with transit management, scheduling, run-cutting, and planning tools

Real Time Passenger Information:

- Arrival prediction accuracy of over 95%
- Google real time feed output
- White labeled Yamhill County App for both android and iOS
- Public website easily accessible from standard web browsers
- Ability to provide additional products in the future such as station signage, solar signage, LED's kiosks etc.

Training, Maintenance, Hosting, Reference, and Project Management:

- Cloud hosted system with no additional licenses needed
- On-site training for seven (7) dispatchers and twenty-five (25) operators
- Project Management and 24/7/365 phone support and trackable online ticketing for customer service requests
- Software and system upgrades provided at no additional cost



BOC Action Requested:

Staff recommends approval of the selection of Connexionz Ltd. as the vendor to provide real time communications software for Yamhill County Transit.

\$95,000 Year 1; \$23,000 Years 2 and 3

Staff recommends the Board of Commissioners authorize the County Administrator and County Counsel to negotiate and approve the final service agreement prior to the notice to proceed.

Accepted by Yamhill County
Board of Commissioners on

1/31/19 by Board Order

19-30

Yamhill County Real Time Bus Info System

Analysis

In a continuing effort to provide the most accurate and timely information to our customers regarding bus arrival / trip planning, on Oct 8, 2018, YCTA requested bids to provide Android tablet-based GPS Fixed Route Technology, Real Time Passenger Information, and CAD/AVL software from the following vendors:

- DoubleMap
- Ride Systems
- Trillium Transit
- ETA Systems
- Connexionz
- Routematch
- TripSpark
- Syncromatics

Bids were due on 10/22/18. Bid responses were received from:

- DoubleMap
- Ride Systems
- Trillium Transit
- ETA Systems
- Connexionz

YCTA hoped to find a fixed route solution that could be installed on the Android Samsung Galaxy Tablets to provide tracking to back office software and also crucial feedback tools for fixed route operators

Bids were to include:

- ✓ Driver Android MDT technology with the following features:
 - Driver Messaging
 - Trip Information
 - Schedule Adherence Information
 - Driver Login
 - Fare Counting
- ✓ YCTA required that vehicles operating fixed route service can be logged in to from MDT based software, while vehicles running paratransit services can also be tracked even while running CTS software. Vendors were told to assume that CTS software could support the concurrent

background tracking application or be able to support a web service API integration to track paratransit vehicle

Price would be the primary selection criteria. However, YCTA would consider the scope of work, business references and work experience with transit agencies in the final selection.

An analysis was developed, vendors eliminated due to price or lack of software options. The following vendors were invited to come to Yamhill County for a software demo:

Connexionz and Trillium Transit

Trillium Transit is used by Sunset Empire, Lincoln County and Tillamook Transit. And while a less expensive option at \$ 93,275 for 3 years, they are very limited in software applications for future use they use a third party (Swiftly) for all technical applications. They do not develop in-house.

Connexionz – While a more expensive option at \$ 95,000, develops all their own software and come highly recommended. Agencies can purchase different component at different times (as the \$ is available) without worrying about them working with newly developed systems as Connexionz pushes out changes (for free) to all their users as they are released. 24 hr tech support, a free white label android/OS application, a dedicated project manager, data entry assistance and a 97% on-time performance make Connexionz the best choice for YCTA.

YAMHILL COUNTY TRANSIT AREA BID FORM: REAL TIME INFORMATION SYSTEM REQUEST FOR PROPOSAL

October 8, 2018

YCTA CONTACT INFORMATION

YCTA Contact	Cynthia Thompson	Phone	(503) 995-7965
Email	thompsonc@co.yamhill.or.us	Bid Due Date	October 22, 2018

SCOPE OF WORK

YCTA is requesting bids to provide Android tablet-based GPS Fixed Route Technology, Real Time Passenger Information, and CAD/AVL software.

Please provide a complete quotation for a solution which can meet below requirements

Please state clearly any requirements which are unable to be met

Onboard requirements:

YCTA currently has a fleet of approx. 25 fixed route vehicles

YCTA has recently contracted CTS software to provide paratransit manifests to paratransit operators.

YCTA hopes to find a fixed route solution that can be installed on the Android Samsung Galaxy Tablets to provide tracking to back office software and also crucial feedback tools for fixed route operators

YCTA hopes to utilize the cellular data plans already connected to the Samsung Galaxy Tablets

At this Time, YCTA does not require any additional onboard functionality or hardware. However, YCTA prefers a vendor who in the future can provide products features and services such as APC integration, wifi, automatic voice announcement, mobile video surveillance, traffic signal priority, onboard media systems, and more. Please provide literature on the scale-able options for your solution

YCTA requires that vehicles operating fixed route service can be logged in to from MDT based software, while vehicles running paratransit services can also be tracked even while running CTS software. Please assume that CTS software can support the concurrent background tracking application or be able to support a web service API integration to track paratransit vehicle

YCTA requires driver Android MDT technology with the following features:

- o Driver Messaging o Trip Information o Schedule Adherence Information o Driver Login o Fare Counting

Software requirements:

Cloud hosted software that can be accessed from any PC used for dispatch purposes

A route management and editing feature which allows route and schedule modifications to be easily made

Export to Google Transit Feed Specification format

Import of GIS stop data

A thorough analysis tool which provides reports on mileage, ridership, on-time performance, and other important transit metrics

A Computer Aided Dispatch / Automatic Vehicle location tool which provides:

- Real time trip, block, run, driver, vehicle, timepoint, and stop information of fixed route vehicles
- Vehicle Location Views of where fixed route and paratransit vehicles
- Real time schedule adherence and on-time performance tools
- The ability to message a driver tablet from the application
- Performance alert tools and ability to re-dispatch drivers or send relief buses in to service
- The ability to integrate with transit management, scheduling, run-cutting, and planning tools

Real Time Passenger Information Requirements:

An arrival prediction accuracy of over 95%

A google real-time feed output

A 'white-labeled' Yamhill Transit App for both Android and iOS (maybe list as option)

A public website easily accessible from standard web browsers

The ability to provide additional products in the future phases such as station signage, solar signage, LED's, kiosks, and more

The ability to integrate with SMS and IVR providers or be able to provide those services in future phases

Training, Maintenance, Hosting, Reference, and Project Management Requirements:

Cloud hosted system with no additional licenses needed

Provide onsite training for 7 dispatch users and 25 bus operators

Launch all aspects of project by JUNE 2019

Provide a specific project manager contact for the entire implementation phase

Initial contract period is 1 year, although an estimate of future recurring charges if contract was extended is requested up to 3 years.

24/7/365 phone support as well as trackable online ticketing for customer service requests

Any software or system upgrades must be provided at no additional cost during contract phase

Please provide pricing, 3 references similar in scope, any worthwhile system description, case study, or literature, and an estimated project schedule

SELECTION CRITERIA

Price will be the primary selection criteria. However, YCTA will consider the scope of work, business references and work experience with transit agencies in the final selection.

BID REQUIREMENTS

Your bid proposal should be good for 90 days.

Bid Price \$ 95,000

Includes:

Android Tablet Configuration for Connexionz Fixed Route Operator Software and DR tracking
 Transit Manager CAD/AVL Software including : Route Planner, Dispatch, and Analytics
 Branded public website for general public on branded integrated website , responsively designed for use on iOs and Android
 Google Static and Google REAL TIME outputs, integration with third party apps
 Maintenance, Software Upgrade, and Support
 Project management with dedicated PM
 Data entry assistance

Options:

Custom white labeled Android/iOs Apps : \$10,000

Years 2-5 Maintenance Estimate: \$23,000/yr

In addition to the bid, we are asking each company to provide three business references.

Name of Reference	Phone	Type of work you provided for them.
Corvallis Transit, Corvallis, OR Tim Bates	541-754-1761	CAD/AVL, Real Time, App, Website, AVA, TSP integration. 15 bus
Pasadena Transit, Pasadena, CA Valerie Gibson	626-744-7452	CAD/AVL, Real Time, App, Website, AVA, TSP integration, 100 real time signs, integration to LA 311, ticket machine integration, Wifi. 30 bus
Tri Delta Transit, Antioch, CA, Steve Ponte	925-754-6622	CAD/AVL, Real Time, App, Website, AVA, TSP integration, 100 real time signs, ticket machine integration, wifi. 70 bus

By signing below, the undersigned verifies and certifies:

- The company can meet all the specifications.
- The owner(s) and company are not suspended or debarred from doing business with the federal government.
- The submitted bid is complete and that the company can carry out the work as detailed in the scope of work section above.

Connexionz LTD, 22 years

10/9/18

Company Name & Years in Business	Signature of Owner or Authorized Representative	Date
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