



Price Proposal for Waukesha Metro Transit

RouteMatch APC Pricing

Submitted by:
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1.0 Scope of Services

RouteMatch is pleased to provide a quote for Automated Passenger Counter hardware, software and associated services for integration with Waukesha's fixed route vehicles. RouteMatch will provide onsite APC installation and project management services.

RouteMatch partners with Dilax APC equipment, utilizing overhead active infrared sensors to accurately count and transfer passenger count data to the RMFixed database via the Tablet and VLU in-vehicle system. Even in dense passenger traffic and multiple simultaneous boardings / alightings, the measurements are performed correctly at each stop. Dilax has a proven track record of providing accurate passenger counts, specified at 95% accuracy in use, with installations across North America.

The required hardware components on the vehicle are:

- APC: This device connects to the sensors located at each door and interfaces to the door limit switches to determine whether the door is open or closed. The PCU collects and communicates the counts as needed.
- Infrared door sensors: 1-3 sensors per door, based on door width, will be provided by RouteMatch. Based on the vehicle types, RouteMatch will supply the correct sensor solution to ensure proper door coverage and accurate vehicle counts. The sensors detect movement of passengers in or out of the bus. They are an overhead variety and are easily calibrated to provide accurate detection of people on each bus.
- Cellular communication link to the CAD/AVL system
- J1708 link to the APC PCU
- GPS receiver to determine entry and exit from stops

The RouteMatch CAD / AVL system controls the APC control device via the VLU, only collecting APC data when the doors are open. The VLU also sends APC data to RouteMatch CAD / AVL in real time. All geographic triggers, facilitating the logic of the VLU are managed in the RouteMatch CAD / AVL system through GeoTargets.

After data collection, RouteMatch provides intuitive tools to analyze and report on passenger count data for transit planning. Below is a dedicated, geographically-based tool to display passenger count data by location and time of day. In addition, reporting tools are available with front-end-options that allow users to analyze passenger count data by route, run, vehicle, driver, or service.

2.0 Cost Proposal

Product Name	Quantity	Fee
SOFTWARE		
APC Module	3	\$2,250
HARDWARE		
APC – Dilax (29” Door Sensor, Cable, Sensor Bar)	3	\$1,455
APC – Dilax (39” Door Sensor, Cable, Sensor Bar)	3	\$2,529
APC – Dilax CPU	3	\$2,700
VLU – 4G Modem	3	\$3,150
SERVICES		
APC & VLU – Installations	3	\$1,415
Travel	1	\$1,000
GRAND TOTAL		\$14,499
ANNUAL SERVICES		
Premium Technical Support & Maintenance	1	\$450

2.1 Pricing Notes and Assumptions

- This is a cost proposal, requested by and provided to Waukesha Metro Transit. It is based upon the information known to RouteMatch Software, Inc. at the time of this proposal and is subject to change in the event of material differences in the information used to form the proposal.

3.0 Acceptance Page

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Authorized Signature

Date

Printed Name

Organization Name

Please return immediately upon signing to the following contact:

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