

MEMORANDUM

State of Alaska

*Department of Transportation and Public Facilities
Maintenance & Operations
Chief's Office*

To: Joel G. St. Aubin, P.E.,
Central Region Construction Engineer

Date: December 23, 2020

Thru: Sharon L. Smith, P.E.,
Chief of Contracts

Telephone No: 269-0760

From: Charles M. Wagner, P.E.
M&O Chief

Subject: RTC- Brand Name Spec

DETERMINATION:

In accordance with P&P 10.02.050 and Alaska Administrative Code 2 AAC 12.100, this Determination supports the specification of brand specific items for state funded construction contracts and federally funded construction contracts advertised in Central Region for a period not to exceed three (3) years, beginning on the date this Determination is fully executed by the Central Region Construction Engineer who serves as the Contracting Officer for those construction contracts.

Items to be specified by brand name:

RTC School Zone Flasher Control and supporting communications devices, and communications services.

Justification:

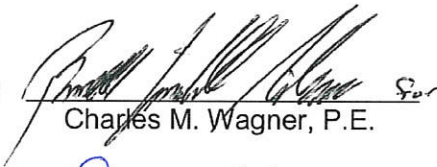
All Central Region School Zone Speed Limit Sign Flashers are controlled by existing RTC AP-41 controllers, which are no longer manufactured. Currently electricians must travel to each sign to adjust the flasher timing. For example, it takes approximately three (3) hours to make a trip to the school zone flashers in Hope. Frequent changes of school operating hours during the ongoing COVID-19 pandemic have made this task even more burdensome.

The RTC system was selected for these reasons:

- 1) The RTC system utilizes the wiring harness of our existing clocks when upgrading to the cellular modem connected, cloud based product. Given that each cabinet is wired slightly differently, the plug and play adaptation to the new system will magnify time and cost savings.

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- 2) The RTC system provides an intuitive user interface that will make annual programming of school zones less onerous. Southcoast Region currently uses the RTC product which should further enable knowledge sharing.
- 3) The RTC system is remotely accessible from either a laptop computer with a wifi connection or from a smart phone. Smart phone connectivity enhances "in the field" troubleshooting.
- 4) The RTC system is cloud based meaning timing plans/databases are retrievable should local events cause a loss of equipment or programming.
- 5) The RTC system supports hierarchal system of user groups allowing for different user groups to be programmed or modified together. For example the MatSu Borough and Peninsula Borough schools can each be placed in their own groups and controlled separately.
- 6) The RTC system supports hierarchal designation of user levels such as administrator, read-write users or read only users.
- 7) The RTC Company has been business for over 35 years ensuring a level of product stability and availability.

Submitted by: 
Charles M. Wagner, P.E.

12/23/2020
Date

Recommended by: 
Sharon L. Smith, P.E.

12/23/20
Date

Approved by: 
Joel G. St Aubin, P.E.

12/23/2020
Date

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