

MEMORANDUM

State of Alaska

Department of Transportation and Public Facilities

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

Date: April 13, 2022

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

Telephone No: 269-0639

From: Scott Thomas, P.E. ~~ser~~
Central Region Traffic & Safety Engineer

Subject: GTT 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:

Global Traffic Technologies (GTT) and successors, preemption devices, software, and services, to include latest models.

Justification:

1. The Central Region (CR) has an installed base of approximately 60 GTT Opticom infrared receivers and 16 GTT GPS Signal Preemption receivers (phase selectors), approximately \$4,000 each, through Wasilla. They are the only mechanism by which we provide preemption and priority service.
2. The Municipality of Anchorage, with whom we share central traffic signals control servers, has sufficient licenses on our shared GTT server to serve our GTT GPS signals and the expertise to train us in the GTT system operation.
3. In order to install another similar system, we would have to abandon our existing investment in GTT receivers (approximately \$4000 per intersection) and control software and hardware, and purchase and install alternatives. We are not aware of a better alternative.

4. If we install another system, each priority vehicle would have to have emitters/transmitters from each of the separate systems. We would probably have to fund and install the devices for the local governments on each of their emergency vehicles.
5. At the present, DSRC 5.9GHz and cellular V2X communications are being tested for the purpose of providing priority and preemption services. This capability will probably be commercial off the shelf in 5 years. We expect that we will adopt this new technology when ready. It would not be feasible to move to an interim solution using a different manufacturer.
6. GTT is the only manufacturer of devices, software, and services compatible with this system.

Submitted by: Scott Thomas 4/13/22
Scott Thomas, P.E. Date
Central Region Traffic & Safety Engineer

Recommended by: Sharon L. Smith 4/14/2022
Sharon L. Smith, P.E. Date
Chief of Contracts

Approved by: Joel G. St Aubin 4/14/2022
Joel G. St Aubin, P.E. Date
Central Region Construction Engineer,
and Contracting Officer

Distribution List:

Kirk Warren, P.E., Maintenance Chief
Sharon L. Smith, P.E., Chief of Contracts
Ryan Norkoli, P.E., Review Engineer
Luke Bowland, P.E., Preconstruction Engineer
Sean Baski, P.E., Chief of Highway Design
Cynthia Ferguson, P.E., Chief of Traffic Safety & Utilities
Scott Thomas, P.E., CR Traffic & Safety Engineer
Roxanne Risse, P.E., T&S Design Squad Leader
Val Rader, P.E., CR ITS Engineer