

Traffic Signal System Software and Controller

RFP #PUR0216-154

Proposal Evaluation Summary, April 12, 2016

Evaluators: Ben Dugan, Electronics Specialist; Ron Griffith, Project Engineer II; Gerardo Rodriguez, Electronics Specialist; John Witt, P.E., PTOE, Assistant Traffic Engineering Manager

Ex-Officio: Shawn Lampe, IT Infrastructure Manager

Proposals received:

	Name of Company	Location	Evaluation Score
1	Traffic Control Corporation	Ankeny	890
2	MoboTrex	Davenport	725
3	General Traffic Controls, Inc.	Spencer	
4	Mid American Signal, Inc.	Kansas City, KS	
5	Trafficware Group, Inc.	Sugar Land, TX	
6	Transcore ITS, LLC	Nashville, TN	

1. Traffic Control Corporation

Price for traffic signal system software	\$173,111
Software manufacturer and model	Econolite Centrac 2.0
Price per controller	\$1,975
Controller manufacturer and model	Econolite Cobalt ATC Series C

Facts:

- System software price is more expensive, but that price includes migration of existing data, software bug fixes, updates and upgrades.
- Data migration will be done manually and will take longer.
- Software has ability to set up multiple profiles per user.
- Browser (dashboard) is very easily customizable.
- Building of intersection maps is included in the system software price, which also has the ability to layer multiple maps.
- Centrac alerts are very robust, can be used to send text messages and emails to one or multiple recipients. There is an escalation feature that will contact additional people if the system is not responded to. The system can be responded to via text message or email.
- Wi-fi interface between laptop and controller.
- Centrac can send controller settings to USB drive via workstation.
- Has the ability to make temporary changes to field controllers via workstation without changing database.
- Controller screen is user-friendly.
- Controller default settings are customizable.
- Controller features SD memory card slot.

2. MoboTrex

Price for traffic signal system software	\$49,800
Software manufacturer	Siemens TACTICS Enterprise
Price per controller	\$1,790
Controller manufacturer and model	Siemens m60 NEMA

Facts:

- a) System software price is less expensive and includes bug fixes and updates. Migration of data and upgrades are an additional cost.
- b) Data migration will be done electronically and will be a fairly quick process.
- c) Software will allow one profile per user.
- d) Browser is very similar to current ACTRA system used by the City of Cedar Rapids.
- e) Will provide training to the City for City staff to build maps.
- f) Quick Response provides ability to quickly change signals for events.
- g) USB ports in controller won't be active until the end of 2016.
- h) Pedestrian Hybrid Beacons cannot be run on the M60 controllers and the City would need to continue using M52 controllers for this.

Recommendation for Award:

The evaluation team ranked each proposal independently and unanimously chose **Traffic Control Corporation** as the top proposal.