CARRIER & GABLE, INC.
24110 Research Drive
Farmington Hills, MI 48335
(248) 477-8700 (248) 473-0730 • FAX
www.carriergable.com

QUOTATION

Sales Quote Number **18831**

Sales Quote Date: 02/01/13

Expires On: 03/30/13

Sell To: ANN ARBOR, CITY OF-FIN. DEP'T.
CHUCK FOJTIK
P. O. BOX 8647
ANN ARBOR, MI 48107-8647

Ship To: ANN ARBOR, CITY OF-FIN. DEP'T.
CHUCK FOJTIK
4251 STONE SCHOOL RD
ANN ARBOR, MI 48108

Quote/Bid Ref: PC SCOOT / IP SCOOT
Shipment Within
Shipping Terms Best Way
Terms NET 30 DAYS

Customer ID 1090
Salesperson Frank Carrier

ALL VALUES STATED IN U.S. DOLLARS

Item No.	Description	Cross-Ref. No.	Qty.	Unit Price	Total Price
	PC SCOOT / IP SCOOT UPGRADE				
ITEM	SCOOT SYSTEM UPGRADE PC SCOOT & UTC SOFTWARE DATABASE CONVERSION INCL.: 1 YEAR TELEPHONE SUPPORT		1	78,748.00	78,748.00
ITEM	SCOOT COMM SERVER IP (SCS/IP) BETA COPY NO CHARGE FROM SIEMENS IN EXCHANGE FOR FIELD TESTING REULTS FROM ANN ARBOR		1		
ITEM	ANNUAL MAINTENANCE w/ONE WEEK VISIT BY CERTIFIED SIEMENS TECHNICIAN		1	18,000.00	18,000.00

Amt Subject to Sales Tax	Amt Exmt from Sales Tax		
0.00	96,748.00	Subtotal:	96,748.00
		Total Sales Tax:	0.00
		Total:	96,748.00

PC SCOOT Upgrade

Siemens Quote Number B-0881

www.itssiemens.com

SIEMENS

Proposed to:

Carrier & Gable, Inc.

Proposed by:

Siemens Industry, Inc.
Infrastructure & Cities
Mobility and Logistics
Road & City Mobility
Intelligent Traffic Solutions

Date of Quote:

January 29, 2013

1. Introduction

Siemens Intelligent Traffic Solutions (Siemens) is pleased to present this proposal for providing an upgrade from the existing SCOOT Alpha-based system to the PC-SCOOT system for Ann Arbor, Michigan. This effort includes the supply of PC-SCOOT software license by Siemens. All hardware, operating systems, and related components will be supplied by others. All system installation, integration, set-up, and optimization adjustments will be performed by others.

2. Proposal

2.1 System Software Upgrade

Siemens will provide PC-SCOOT Software upgrade and the necessary license for use in Ann Arbor, Michigan to replace the existing DEC Alpha-based SCOOT system. No change to the existing field communications is proposed.

Siemens to confirm configuration level before any order and will include existing features listed by the City

2.2 Data Conversion

Siemens will perform all data conversion from the existing DEC Alpha-based system to the PC SCOOT system using the files and information on the backup tape provided by Ann Arbor, Michigan.

City to provide ftp link for Siemens access to the database

2.3 Communications Server

The PC SCOOT system provided under this offer will work with the City's existing SCOOT Comm Server (SCS). No changes to the City's existing SCS will be required. If desired, Siemens will provide the City with a beta copy of the new version of the SCS which supports IP communications (SCS/IP), at no charge, if the City will field test this software and provide the results back to Siemens.

2.4 Upgrade to SCOOT Version MMX

SCOOT MMX continues multi-modal theme of previous releases. MMX addresses pedestrian service, particularly aimed at intersections with high pedestrian demand. It provides improved efficiency in low flow periods through cycle time sub-region independence and the introduction of 'ghost stages' so that region cycle time is reduced. MMX also includes new and updated emissions estimates.

Not offered at this time per City request

2.5 Installation and Integration

Siemens will provide the new software and converted data for installation and set up by others on the existing master PC SCOOT application server and communications server and on up to two workstations in Ann Arbor, Michigan for all intersections on the existing all-inclusive license. This proposal is made with the assumption that the PC SCOOT application server, communications server, workstation PCs, and operating systems as specified in Appendix A and will be completely functional and supplied by others. This proposal is made on the assumption that Siemens will not travel to Ann Arbor, Michigan for installation and integration.

2.6 Acceptance Testing

Acceptance testing for this proposal will be performed by others.

Any operational adjustments desired after field tuning is complete are expected to be done by the TMC staff or Carrier & Gable, with remote assistance by Siemens if required, under the terms of this upgrade agreement.

2.7 Maintenance

One full year of telephone support by Siemens is included with the software upgrade.

As an additional option, Siemens can provide one visit within the first year to Ann Arbor, Michigan by a certified technician.

2.8 Siemens common Remote Service Platform

The Siemens Remote Access solution will allow an authorized user to access the customer's system from any internet access point. The Siemens Remote access solution uses the Siemens common Remote Service Platform (cRSP) to provide a stable and secure solution.

Siemens will be able to connect to the customer's system from the Siemens Intranet; this ensures effective support and upgrades can be performed. The customer and trusted partners are able to connect via the internet using a Customer Web Portal (CWP). All connections are established via dedicated De Militarized Zone (DMZ) to ensure systems security is maintained.

Siemens common Remote Service Platform provides a secure mechanism to access installed systems over the Internet, using the latest secure Internet solutions as used in Internet banking systems to provide customer access. In this way the data is encrypted for transmission and only authorized users are able to gain access to the system.

More than one CWP account can be set up allowing different members of the Clients staff to use the service on an alternating basis. Each CWP account is subject to an annual charge which will be included as part of a software support contract. The portal can be accessed using a URL supplied by Siemens through Windows Internet Explorer with internet access.

An Ethernet connection with a fixed IP address will be required; the connection should be capable of handling at least 512/128kBit in downstream/upstream. This will provide sufficient capacity for the Remote access solution however the service may be degraded if the link is used for other activities.

Customer Web Portal for remote access will be provided by Siemens and Ann Arbor will provide the fixed IP external connection. City to provide VPN access for Siemens

Appendix A – Server and Client PC Specification

UTC/SCOOT Server Specification

The UTC/SCOOT system will require two Servers, each with the following minimum specification:

Hardware

- Intel Xeon Dual Core 2.8GHz with RAID capable motherboard.
- 4Gb RAM.
- 2 x 146Gb Hard Disk with SATA II NCQ interface (in RAID 1 configuration)
- Graphics card capable of 1280x1024 in 32 bit color @ 72Hz.
- 2 x 10/100Mb Ethernet Network Interface Ports
- DVD-writer for backup purposes
- 320Gb External Hard Disk USB2 / Firewire for system backups

Software

- OS - Windows Server 2008 Standard
- X Client - OpenText eXceed v14
- Backup software - Acronis True Image Server edition

The two hard drives in each server are to be configured as RAID1 and divided into drives C (60Gb)
and D (86Gb).

Operator Terminals

Operator terminals can connect to the UTC systems provided they meet the following specification:

Hardware

- Intel Pentium Dual Core 1.8GHz, equivalent or better.
- 2Gb RAM.
- 80Gb Hard Disk
- Graphics card capable of 1280x1024 in 32 bit color @ 72Hz and quad head if multiple monitors
- 1 x 10/100Mb Ethernet Network Interface Ports
- DVD-ROM reader
- Up to 3 x TFT Monitors
- Keyboard & mouse

Software

- Windows 7 Professional
- OpenText eXceed v14 for UTC access