

ORDINANCE NO. 001-55

AN ORDINANCE DECLARING PUBLIC
BIDDING DISADVANTAGEOUS AND
AUTHORIZING THE AWARD OF A
CONTRACT TO PROVIDE FOUR (4)
PROTOCOL CONVERTERS FOR THE
ATDMS (AUTOMATIC TRAIN
DISPATCHING MANAGEMENT SYSTEM)
TO ACCEPT TRACK OCCUPANCY DATA
COLLECTED BY THE CTA SCADA
(SUPERVISORY CONTROL AND DATA
ACQUISITION) SYSTEM

WHEREAS, CTA currently utilizes a system called SCADA (Supervisory Control and Data Acquisition) which is comprised primarily of equipment and software manufactured by QEI, Inc. The SCADA system monitors the status of and facilitates, by way of a Master Control Station located in CTA's Control Center at 120 North Racine Avenue, the remote control of rail substation traction power equipment and related rail traction power distribution systems; and

WHEREAS, CTA also currently utilizes a system called ATDMS (Automatic Train Dispatching Management System) which displays rail system status information, including train location information to CTA operations personnel in the Control Center through a system of television monitors; and

WHEREAS, CTA Engineering personnel would like to replace the current source for train location data used by the ATDMS System with the much more reliable SCADA System source, which will require the acquisition of equipment and computer software to allow SCADA and ATDMS to communicate; and

WHEREAS, QEI has previously done extensive work on the CTA SCADA system, including the development of specialized computer software which allows the QEI Master Control Station for SCADA to interpret data transmitted to it from certain non QEI field devices, which communicate in a language called "L & G Protocol", the same language used by ATDMS; and

WHEREAS, No source, other than QEI, has the knowledge of the QEI SCADA system, with its proprietary QEI software, and QEI manufactured hardware, or the knowledge of how the QEI software and the L & G Protocol must interact in order the QEI Master Controller to communicate with ATDMS; and

WHEREAS, Section 54.35 of the Regulations Governing Purchase and Sales Transactions provides for the award of contracts in those situations where the

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Transit Board determines that competitive bidding would be disadvantageous; now, therefore:

BE IT ORDAINED BY THE CHICAGO TRANSIT BOARD
OF THE CHICAGO TRANSIT AUTHORITY:

SECTION 1. That based on the statements set forth in the preamble of this ordinance, the Transit Board hereby determines that competitive bidding for this service is disadvantageous.

SECTION 2. That the Chairman of the Board, or her designee, is hereby authorized to enter into a contract with QEI, Inc. to provide four (4) Protocol Converters to allow CTA's SCADA (Supervisory Control and Data Acquisition) System to convey train location information to the CTA ATDMS (Automatic Train Dispatching Management System), in the amount of eighteen thousand dollars (\$18,000.00) under Requisition No. C00RT7888.

SECTION 3. This ordinance shall be in full force and effect from and after its passage.

APPROVED:

PASSED:

Chairman

Assistant Secretary

April 4, 2001

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