

**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**

memorandum

subject: Proprietary Item for
Vehicular Fuel Station
Projects

date: June 10, 2005

to: Mr. Arthur W. Gruhn
Bureau Chief
Bureau of Engineering and
Highway Operations

from: Michael W. Lonergan
Engineering Administrator
Bureau of Engineering and
Highway Operations



This office is requesting that you approve the request to sole source the FUELMASTER FMU2500 system on all future vehicular fueling station projects where one is required.

In 1998, ConnDOT advertised a request for proposals for automated fuel management systems and approximately eight (8) responses were received. The FUELMASTER FMU2500, as manufactured by SYN-TECH Systems, Incorporated, was selected as the system that best met ConnDOT's needs. The FUELMASTER FMU2500 was determined to be the most efficient system to handle the number of stations and the volume of transactions for the best price. SYN-TECH Systems, Incorporated was also highly regarded by its references.

Based upon this selection, a statewide renovation project was performed by the Fuel Control Unit in 1999 to incorporate the FUELMASTER FMU2500 automated fuel management system into seventy (70) Department of Transportation owned and operated vehicular fueling stations and twenty (20) other state agency owned and operated vehicular fueling stations. Currently, there are approximately one hundred (100) locations with 12,000 customers obtaining fuel from the FUELMASTER FMU2500.

Any future automated fuel management system would need to have the ability to interface with the existing central computer located at ConnDOT Headquarters for inventory control and billing of other state agencies for fuel consumed. In addition, the system would need to be able to accept the existing ConnDOT issued read/write keys. Both of these requirements are patent pending to the FUELMASTER FMU2500. This would preclude other manufacturers from meeting the above noted requirements.

The installation of another manufacturer's product at a single station in the state would require a completely new redundant set of read/write keys to be issued for each state vehicle to ensure that each vehicle could fuel at any station. In addition, a new central computer system would need to be installed for inventory control and billing. This new system would need to be used in conjunction with the existing system, thus duplicating and complicating the workload of the Fuel Control Unit.

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The requirement to use only the FUELMaster FMU2500 does not limit the number of contractors that could install the system since SYN-TECH Systems, Incorporated does not have a restrictive set of installer qualifications.

Should you have any questions, please contact the Principal Engineer, Mr. Scott A. Hill, at (860) 594-3298.

Approved by: _____


Arthur W. Gruhn, P.E.
Bureau Chief

Date: _____

6-9-05

Michael J. Strong/mjs/crj

cc: Comr. Korta - Dep. Comr. Bard - Dep. Comr. Urso
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FROM THE DESK OF
JAMES H. NORMAN

JUN 09 2005

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PROJ. DEVELOPMENT			