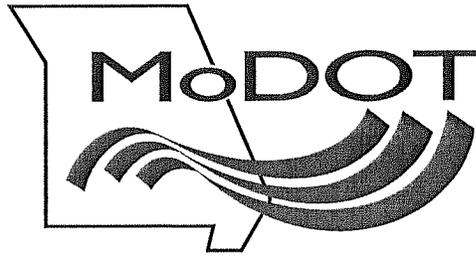


Missouri  
Department  
of Transportation



Kirk Juranas, District Engineer

Springfield Area District  
3025 East Kearney Street  
M.O. Box 868  
Springfield, MO 65801  
(417) 895-7600  
Fax (417) 895-7610  
[www.modot.state.mo.us](http://www.modot.state.mo.us)  
Toll free 1-888 ASK MoDOT

12/01/08

To: 2009 Awards for Excellence in Practical Design Committee

Subject: 2009 Awards for Excellence Application

From: Bradley A Leonard, D-8 General Services Manager

District 8 is submitting an application for the Gas Boy fuel monitoring system due to the ability of this system to reduce operational cost by capturing accurate fuel usage information. This entry provides a means to measure results that are real and can be measured on a monthly basis. The cost of fuel is a very large concern to MoDOT and any cost savings with fuel should be captured.

The fuel loss from January – October 2008 has been 965 gallons. The loss for these ten months would be \$2,896 if the fuel cost were \$3.00 per gallon. The payback at this rate on this system would be just over two year at \$3.00 per gallon. The Gas Boy fuel system was installed at the end of September 2008. The fuel loss in October was ten gallon's, which is a great improvement over the previous nine months. The ten-gallon loss for October is a ¼ of 1% loss, which is outstanding.

If this fuel system was implemented statewide the loss in fuel inventory could be greatly reduced potentially saving MoDOT and the State of Missouri thousands of dollars. This system may have the capability to work with the new FASTER fleet system further enhancing the ability to automate the fuel accuracy throughout the state.

  
Bradley A Leonard  
D-8 General Services Manager

# 2009 APPLICATION FORM

(required for each entry)

Complete this section for (check one):  **Small Project**  **Large Project**  
 **Post-Design Solution**  **Off System Project**

Job No. \_\_\_\_\_ Route \_\_\_\_\_ County / LPA \_\_\_\_\_ Greene \_\_\_\_\_

Description (attach separate sheet if necessary) \_\_\_\_\_ Install Gas Boy fuel tracking system at district garage.

Due to the loss in fuel the district decided to install this system to capture accurate fuel usage.

Complete this section for: **Process Improvement**

Process or Product \_\_\_\_\_ Gas Boy Fuel System \_\_\_\_\_

Description (attach separate sheet if necessary) \_\_\_\_\_ Install Gas Boy fuel tracking system at district garage.

Due to the loss in fuel the district decided to install this system to capture accurate fuel usage.

Project Leader \_\_\_\_\_ Brad Leonard \_\_\_\_\_

Key Team Members (include key personnel irrespective of employer-nine individuals maximum)

Project Budget:

Initial Cost / Estimate \$ \_\_\_\_\_ \$7,789 \_\_\_\_\_ Final Cost / Award \$ \_\_\_\_\_ \$7,789 \_\_\_\_\_

What would make this entry stand out from the rest of the entries when considering MoDOT's practical design philosophy? (In layman's terms - 200 words or fewer-attach separate sheet if necessary) \_\_\_\_\_

\_\_\_\_\_ This entry provides a means to measure results that are real and can be measured on a monthly basis. The cost of fuel is a very large concern to MoDOT and any cost savings with fuel should be captured. The fuel loss from January - October 2008 has been 965 gallons of fuel. The loss for these ten months would be \$2,896 if the fuel cost were \$3.00 per gallon. The payback at this rate on this system would be just over two year at \$3.00 per gallon.

Send entries to: MoDOT Design Division, ATTN: Joe Jones  
1320 Creek Trail Dr., Jefferson City, Missouri 65109

**ALL ENTRIES MUST BE RECEIVED NO LATER THAN CLOSE OF BUSINESS ON DECEMBER 1, 2008**



**GASBOY**

Series  
1030



**GASBOY**

ALL INFORMATION CONTAINED

HEREIN

IS UNCLASSIFIED

DATE 11/11/01 BY 60322 UC/BJT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Total
<b>Measurement</b>											
Beginning Inventory	\$ 1,193	\$ 2,202	\$ 4,287	\$ 4,076	\$ 4,467	\$ 2,454	\$ 3,968	\$ 2,741	\$ 2,659	\$ 4,050	\$ 32,096
Final Inventory	\$ 1,120	\$ 2,107	\$ 4,070	\$ 3,927	\$ 4,387	\$ 2,434	\$ 3,848	\$ 2,582	\$ 2,616	\$ 4,040	\$ 31,131
Over/Under Inventory	\$ (73)	\$ (95)	\$ (216)	\$ (149)	\$ (80)	\$ (20)	\$ (120)	\$ (159)	\$ (43)	\$ (10)	\$ (965)

Return on investment  
\$3.00/gal x 965 gal

Fuel loss in 2008      **-\$2,896**