

**CITY OF FERNDALE
REQUEST FOR COUNCIL ACTION**

FROM: Byron A. Photiades, DPW Director

SUBJECT: Approval of Purchase of Traffic Signal Testing Equipment

SUMMARY & BACKGROUND:

The equipment used to test the electronic components of our traffic signals – load switches, flash-unit relay switches, etc. – needs to be replaced.

The cost of a new model #MST700 multi-switch tester from ATSI, the sole supplier, is \$3,045. We would trade in our current tester, #MST600, for \$1,300, for a net cost of \$1,745. The expense would be charged to the Major Streets Fund, Capital, account no. 202-977.

Attachments: Memo from Traffic Signal and Sign Division
Quote from ATSI

COUNCIL AGENDA DATE: November 24, 2008

CITY ATTORNEY REVIEW: N/A

FINANCE DIRECTOR REVIEW: JCHubanks, 11/17/08

CITY MANAGER APPROVAL: Robert J. Bruner, Jr.

COMMENTS:

RECOMMENDED ACTION:

Moved by , seconded by , to approve purchasing from ATSI one model #MST700 multi-switch tester for traffic signals for \$3,045, and to charge the expense to the Major Streets Fund, Capital, account no. 202-977.

November 10th,2008

To: Jack Crowley

Re: Upgrade traffic signal test equipment

I would like to request that instead of spending \$345.00 to recalibrate our MST600 Multi-switch tester, we instead apply the money towards the cost of a new MST700 upgraded model. The MST600 is no longer being manufactured and no longer offers a maintenance agreement. The MST700 is more reliable, comes with a one year warrantee, and ATSI will give us a \$1300.00 trade-in allowance for our old tester. A comparison of the two testers and a quotation reflecting the potential savings on this year's prices is enclosed for you to examine. I will be waiting for your reply.

Sincerely yours,
Kit Wrasse



Quotation

Quotation Number: SO108915

Quotation Date: 11/7/2008

Terms: Net 30

ATSI

8157 US Highway 50

Athens OH 45701-9303

USA

Phone 740.592.2874

Fax 740.594.2875

Ship By Date: 12/31/2008

BILL TO <p style="text-align: center;">City of Ferndale Accounts Payable 300 East Nine Mile Road Ferndale MI 48220-1797</p>	SHIP TO <p style="text-align: center;">Ferndale-MI Traffic Signal Department 521 E. Cambourne Ferndale MI 48220</p> <p>Attn: Kit Wrasse Ship Via: UPS Ground</p>
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YOUR ORDER NO.	DESCRIPTION
	MST 700 Multiple Switch Tester

Item ID	Description	Order Qty	UM	Price	Amount
SKF-0013	Multiple Switch Tester, Model MST 700 <i>Benchtop tester capable of testing a Load Switch, Flasher, or Transfer Relay. Tests can be saved to a SD Memory Card. Includes: SD Memory Card Reader, SD Memory Card, Operating Manual, & 12 Month Warranty.</i>	1	Ea	\$2,975.00	\$2,975.00
FRT-001	Freight	1		\$70.00	\$70.00
TIN-001	Trade-in of Customer MST 600	1	Ea	(\$1,300.00)	(\$1,300.00)

Notes:

Pricing listed above does NOT include tax (ATSI does not collect sales tax). Delivery on all equipment is 30 days. All pricing is good for 90 days. Shipping charges are pre-paid and add with shipments via UPS Ground unless otherwise noted. ATSI test equipment includes Lifetime Telephone Technical Support.

If you have any questions, or need the quote revised, please call me at your convenience. Thank you for considering ATSI for your test equipment needs.

Regards,

John Dossman

Subtotal:	\$1,745.00
Sales Tax:	\$0.00
Total:	<u>\$1,745.00</u>



www.atsi-tester.com

the
Test Equipment Experts

September 19, 2008

It has come to my attention that your agency has inquired about the differences between the 600 model and the 700 model of our MST (Multiple Switch Tester). The following outlines the advantages of the 700 model over the 600 model.

The MST-600 printed the test reports on an old fashioned mini-printer. The MST-700 saves the test reports to an SD Card. This allows electronic copies of reports to be saved, making preventative maintenance paperless. This also eliminates a separate unit to connect to the MST and the need to buy replacement paper and ribbons.

Probably the most important improvement is that the MST-700 was re-designed to guard better against damage from faulty units under test.

Another advantage the 700 model has over the 600 model is the addition of the warm-up period for load switch tests. This allows the testing of a load switch to occur at a temperature more like it would be operating at within the cabinet.

The 700 model also added a 30 minute length to the 10Amp load portion of the test.

ATSI has no reseller affiliation with any load switch, transfer relay or flasher manufacturer. We do not sell any of these devices to keep us in the position of not having a bias towards any particular brand or model. The tester is designed to test to the current published standards. If a device does not pass the MST-700 tests, then the device does not meet the current published standards!

See page 2 for a comparison list.

If you have any questions, please contact us.

Thank You,

A handwritten signature in black ink, appearing to read 'Burt Smith', is written over a light-colored background.

Sales Manager

Multi-Switch Tester Model Comparisons:

MST 600:

Uses Mini Impact Printer
for test reports

10 amp test 5, 10, 15, 30
second intervals for Load
Switches

Test Load Switch, Flasher,
and Transfer Relay

No longer in Production

1 Cooling Fan

16 x 2 LCD Display

N/A

N/A

MST 700:

Uses SD memory Cards for
saving and viewing the test
reports

User selectable 0 – 30 Minute
warm up period for Load
Switches

Test Load Switch, Flasher, and
Transfer Relay

Current Production Model

2 Cooling Fans

4 x 20 Vacuum Florescent
Display

Thermal Interlock to protect from
over heating

Has internal Circuit Protection