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December 23, 2003

Assistant Fire Chief Ron Crowell
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Subject: Additional Fire Fighting Apparatus – Content Variations

Asst. Chief Crowell:

We are pleased to have the opportunity to present a proposal to the Rochester Hills Fire Department for additional fire fighting apparatus. As we discussed, the first additional unit would be configured identical to E-1 and E-2 as delivered in November, 2003. The second additional unit would be configured as a pumper / tanker. In order to meet the requirements of the Rochester Hills Fire Department, the following changes in content or configuration will be incorporated:

1. The pumper / tanker will be built on a Freightliner M2-112 commercial cab and chassis.
2. The engine will be a Mercedes Benz MBE 4000, rated at 370 bhp and 1350 ft*lb.
3. The single rear axle will be a Meritor RS-30-185, rated at 31,000 pounds.
4. Due to the two-door cab configuration, the intercom system is not necessary and will be deleted.
5. The front suction will be deleted.
6. The front bumper right side hose well will be deleted.
7. The pump module will be configured as a side mount pump panel. All other intakes and discharges will be the same as E-1 and E-2.
8. The tank fill will be increased from 1-1/2" to 2-1/2".
9. A 2-1/2" direct tank fill with ball valve will be added to the rear of the body, right side.
10. The booster tank will be increased from 500 gallons to 1,500 gallons.
11. Due to the increased booster tank, the body configuration will change as follows:
 - a. The left side (driver's side) compartments will be reduced depth (12 inches) on the upper half. L1 width will be increased to 46 inches from 40 inches, L2 will remain 60 inches wide, L3 will be increased to 46 inches from 44 inches.
 - b. The right side (officer's side) compartments will be low side only. There will be two (2) compartments, fore and aft of the wheelwell, with no upper wheelwell

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compartment. The upper half of the right side will have an external ladder rack. R1 and R3 will be 46 inches wide by 27 inches high.

12. The rear enclosed ladder compartment has been eliminated in order to achieve the 1,500 gallon booster tank capacity.

All other content, configurations, equipment, etc. will be identical to E-1 and E-2 as delivered in November, 2003. I believe this new configuration will provide an ideal pumper / tanker apparatus for the Rochester Hills Fire Department. Should you have any questions, please contact me at your convenience.

Sincerely,



Brian Chaput
Vice President

BPC_3-052