



TOWN OF PLYMOUTH

159 Camelot Drive
Plymouth, Massachusetts 02360

FAX: (508) 830-4165

Highway Division
(508) 830-4162 ext. 101

Maintenance Division
Solid Waste Division
(508) 830-4166 ext. 100

MEMO

Date: September 8, 2015

To: Advisory & Finance Committee

cc: Melissa Arrighi, Town Manager
Lynne Barrett, Finance Director
Dennis Westgate, Assistant DPW Director

From: Jonathan Beder, Director of Public Works

Re: **Fall 2015 ATM, DPW Capital Requests
Articles-4I & 4J**

The following items represent DPW requests needed to appear before the 2015 Fall Annual Town Meeting, and are as follows:

1. ARTICLE 4I-Salt Shed, entrance switch and addition (DPW Administration)
2. ARTICLE 4J-Replace 10 wheel truck - (DPW Highway)

1. **ARTICLE 4I-Salt Shed renovations:**

Estimated Cost-\$256,000.00

**based on pricing from Advanced Storage Technology, Inc.-original designer/manufacturer*

As you are aware, salt was unavailable to us many times during this past winter. Our suppliers could not keep up with demand and de-icing operations suffered. We need to keep enough salt on hand to stay ahead of the winter storms.

Our existing salt shed at Camelot Drive does not allow enough storage of road salt to adequately support the needs of this town. Our current 60'x104' shed has a side entrance (opening on the long wall), which drastically reduces our total storage of salt which we estimate at 2,000-2,500 tons. The current structure is in good condition and we would like to reconfigure the door to the southern end and expand the opposite end to the north by 32 feet. With an end entrance as opposite to the current side entrance, we will be able to build the salt pile from the back of the building to the front, and can take much more advantage of the vertical space throughout the building giving us much larger storage capacity-approximately 6,000 tons.



As part of this project, we also propose to construct an unenclosed lean to along the face of the building in order to shelter and store our sanders. The costs thresholds do not trigger an OPM, but do require us to hire a Clerk of the Works.

Estimated cost of \$256,000 includes a 15% contingency and 5% for a Clerk of the works

**2. ARTICLE 4J-Replace H33-10 wheel dump truck, DPW Highway Division:
Replacement cost-\$245,000.00**

H33 is a 2001 Volvo 10-wheeler utilized by the Highway Division. The vehicle is the only one in the DPW with a wing-plow and is crucial for maintaining the Rte44 plow route in West Plymouth. This vehicle has been on the replacement capital request for FY13, FY14, FY15, and Number 1 in FY16. In June of 2014, the vehicle was involved in a major accident involving a telephone pole. The amount of damage to the truck was so severe, it bordered the threshold for considering the vehicle totaled. However, MIIA originally decided to try to repair the vehicle. This would be no small task considering the entire cab needed to be replaced and due to the age of the truck, cabs of that design were no longer available. Therefore, the repair shop was tasked with modifying a new cab to fit the old truck. This took a great deal of time and with the additional repairs needed, the truck was not available to us for all of last winter.

In late spring of 2015, the truck was delivered to the DPW. Shortly thereafter, a great many mechanical and electrical issues arose stemming from the original accident. The truck has since gone back for repairs but the vendor has been unsuccessful in identifying and rectifying the problems. MIIA is now in the process of taking a harder look at this truck and has indicated to us that they will most likely consider it totaled.

Waiting for the ATM in the spring will eliminate the ability for the DPW to replace this truck in time for use during this upcoming winter.

Plymouth DPW
 Salt Shed Renovations-Entrance Switch & Addition
 Construction Cost Estimate
 Existing 60x104, increase to 60x136

<u>Description</u>	<u>Cost</u>
Close off existing side entrance with related roofing, crib wall, footings <ul style="list-style-type: none"> • Add 3-12' high crib wall sections including columns/braces/supports • Add girts and T-111 to enclose opening 	\$30,000.00
Demolish one end wall up to truss line	\$10,000.00
Add four 8' bays (approx. 32') to one end of Bldg. w/asphalt shingles <ul style="list-style-type: none"> • Includes new 60' end wall with 30x20 opening 	\$75,000.00
Overhead/pass doors	\$23,000.00
Stamped plans and specifications	\$10,000.00
Flooring (Concrete)	\$20,000.00
Unenclosed lean-to 120x15=1,800@(\$25/s.f.)	\$45,000.00
Sub-total	<u>\$213,000.00</u>
Clerk of the Works (5%)	\$11,000.00
Contingency %15 <ul style="list-style-type: none"> • Site prep, paving, electrical 	\$32,000.00
Total	\$256,000.00



CHASSIS SPECIFICATIONS SUMMARY

May 27, 2015

2016 MACK GU713

SNOW PLOW. On/Off Hwy
STRAIGHT TRUCK WITH TRAILER

Engine	MACK MP8-425M 425HP	Transmission	4500-RDS-6
		Clutch	OMIT CLUTCH
Front Axle	20,000# FXL20	Rear Axle	58,000# S582 Ratio 4.80
Suspension	20,000#	Suspension	58,000# SS582
Tires	Front: 315/80R22.5 Rear: 12R24.5	Wheels	22.5x9.0 ALUMINUM DISC 24.5x8.25 ALUMINUM DISC
Ratings	GVW: 77,280# GCW: 80,000#	Fuel Tanks	LH: 88gal
Fifth Wheel		Sleeper	

PRICING SUMMARY

	Total Price
SELLING PRICE (Excluding Taxes/Fees/Trade)	\$237,656.72
Surcharge	\$0.00
Net FRET or Canadian GST Taxes	\$0.00
Tire Tax Credit (Municipal Only)	(\$450.22)
Sales/Usage Taxes	\$0.00
License/Title/Etc.	
Misc Fees	
Trade	\$0.00
ACQUISITION COST (Include Trade if applies)	\$237,206.50
Less Down Payment	
BALANCE DUE Per Unit	\$237,206.50
PRICE (Total Order)	\$237,206.50
BALANCE DUE (Total Order)	\$237,206.50

VEH93 1%
\$ $\frac{2372}{239,578}$

Total Quantity: 1 Estimated Total Weight: 20,413# Reference#: AGEY071016B

X _____
Prepared For: Customer Signature Date
TOWN OF PLYMOUTH
11 LINCOLN STREET
PLYMOUTH, MA 02360
Phone: 508-830-4162
Fax: --

X _____
Presented By: Dealer Signature Date
ROCKY LOOMIS
Ballard Truck Center
One Mack Drive
Avon, MA 02322
508-559-0771