

Memorandum

Phoenix Consulting Engineers, LTD

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To: Mayor & Village Trustees

From: Tom Overmyer

CC: Loda, Elevated Water Storage Facility

Date: 7/13/2016

Re: Board Meeting Summary 7/13/2016

SUMMARY:

1. New Water Tower and Related Items – Funding Option

a. The Village should consider applying for a CDAP Public Facilities Grant to fund the construction of a new water tower and related work. In addition, the Village could use grant funds to replace old water mains that have a history of breaks or other age related problems.

b. The maximum CDAP grant for construction and related cost is \$450,000. The Village will need to provide 25% matching funds.

c. The 25% matching funds could be funded using USDA Public Facilities funds. The current terms are approximately 2.50% to 2.75% for 20 to 40 years. If the Village borrowed \$250,000 the annual payment would be approximately \$10,800 to \$16,800 (not including reserve). The average cost per water account (184 accounts) would be approximately \$4.90 to \$7.60 per month.

d. As we discussed in 2012, the Village should fund the preliminary and design phase services using local funds. For the New Elevated Water Storage Facility and related improvements the amount would be \$61,892. See attached for fee 2012 and 2016 fee comparison. The Village will be able to reimburse their water account later when the loan is closed.

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e. Project schedule, when the Village moves forward:

Item	Start	End
i. Preliminary Engineering Report	09/2016	11/2016
ii. USDA Pre-Application	08/2016	11/2016
iii. Design & Permitting	10/2016	04/2017
iv. USDA Final Application	10/2016	04/2014
v. CDAP Grant Application	08/2016	04/2017
vi. Bidding & Construction	11/2017	11/2018

Village of Loda
New Elevated Water Storage Facility
PRELIMINARY & DESIGN PHASE SERVICES
Project # 161DA002.00
7/13/2016



Item	Amount
2012 Design Amount	46,000.00
Additional Cost	15,892.00
Total	61,892.00
Additional Services not Included in the 2012 Design Amount	
Item	Approx Amount
Geotechnical Report	2,915.00
Preliminary Engineering Report (USDA)	4,144.00
Land Acquisition Surveying	1,801.00
USDA Pre & Final Applications	3,662.00
CDAP Application	1,831.00
Environmental Coordination	1,539.00
Total	15,892.00

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PRELIMINARY PROJECT COST ESTIMATE
New 50,000 gal Elevated Water Storage
VILLAGE OF LODA

Prepared By: Phoenix Consulting Engineers

7/13/16

ITEM NO.	DESCRIPTION	UNIT	AMOUNT
1	Site work, Grading, Fencing, Etc	LS	\$ 15,000.00
2	New Tank, Fabrication, Foundation Electrical & Painting	LS	\$ 375,000.00
3	Site Piping, Fittings and Valves	LS	\$ 15,000.00
4	Contingency		\$ 20,300.00
A	Total Construction Cost		\$ 425,300.00
B	Design & Construction Engineering		\$ 85,100.00
C	Total Estimated Project Cost		\$ 510,400.00

PRELIMINARY