

**Canandaigua – Farmington Water
District**

Brickyard Road Tank Project

Project Update Meeting

January 31, 2022



CDGA-FARM
WATER DISTRICT

Town of Farmington
Brickyard Road Tank

Project Budget
(1-2019, prior to bidding)

0610.14004

Construction

General Contract w/ Alternates - Transmission Main	\$1,446,000	est	\$1,446,000
Tank Contract - 2.0 MG Storage Tank & Mixing	\$4,958,000	est	\$4,958,000
Electrical Contract	\$50,000	est	\$50,000
HVAC Contract	\$0	est	\$0
CONSTRUCTION SUB-TOTAL	\$6,454,000		\$6,454,000.00

Engineering

Preliminary Design			\$36,000.00
Design			\$348,000.00
Bidding			\$35,000.00
Construction Administration			\$137,000.00
Construction Observation			\$133,200.00
Additional Services			\$75,000.00
MRB Design and Construction Engineering Contract Sub-Total			\$764,200.00
Engineering Amendment 1 - reimbursement (placeholder)			\$10,796.50
ENGINEERING SUB-TOTAL			\$774,996.50

Other Expenses - Admin

Bond Counsel		est	\$50,000.00
Financial Advisor		est	\$75,000.00
Local Counsel		est	\$20,000.00
Miscellaneous		est	\$15,000.00

Other Expenses - Miscellaneous

Land Acquisition and Easements		est	\$50,000.00
Electrical Service Fee		est	\$10,000.00
Special Inspections		est	\$40,000.00
SCADA Professional Services		est	\$50,000.00
Credit Rating Charge		est	\$20,000.00

OTHER EXPENSES SUB-TOTAL **\$330,000.00**

PROJECT SUB-TOTAL **\$7,558,996.50**

Contingency (percent construction) 15% **\$941,003.50**

EFC Issuance Costs (%) **\$0.00**

TOTAL PROJECT COST **\$8,500,000.00**
BOND RESOLUTION **\$9,036,000.00**

WIIA Grant 3,614,400
Town Contribution 1,000,000
BALANCE TO FINANCE 3,885,600

Town of Farmington
Brickyard Road Tank

Project Budget
(12-2021 after bidding)

0610.14004

Construction

General Contract w/ Alternates - Transmission Main	\$2,632,592	Bid Price	\$2,632,592
Tank Contract - 2.0 MG Storage Tank & Mixing	\$7,932,000	Bid Price	\$7,932,000
Electrical Contract	\$332,102	Bid Price	\$332,102
HVAC Contract	\$59,250	Bid Price	\$59,250
CONSTRUCTION SUB-TOTAL	\$10,955,944		\$10,955,944.00

Engineering

Preliminary Design			\$36,000.00
Design			\$348,000.00
Bidding			\$35,000.00
Construction Administration			\$137,000.00
Construction Observation			\$133,200.00
Additional Services			\$75,000.00
MRB Design and Construction Engineering Contract Sub-Total			\$764,200.00
Engineering Amendment 1 - reimbursement (placeholder)			\$10,796.50
ENGINEERING SUB-TOTAL			\$774,996.50

Other Expenses - Admin

Bond Counsel		est	\$50,000.00
Financial Advisor		est	\$75,000.00
Local Counsel		est	\$20,000.00
Miscellaneous		est	\$15,000.00

Other Expenses - Miscellaneous

Land Acquisition and Easements		est	\$50,000.00
Electrical Service Fee		est	\$10,000.00
Special Inspections		est	\$40,000.00
SCADA Professional Services		est	\$50,000.00
Credit Rating Charge		est	\$20,000.00

OTHER EXPENSES SUB-TOTAL

\$330,000.00

PROJECT SUB-TOTAL

\$12,060,940.50

Contingency (percent construction)

8%

\$900,000.00

EFC Issuance Costs (%)

\$0.00

TOTAL PROJECT COST

\$12,960,940.50

BOND RESOLUTION

\$9,036,000.00

UPDATED BOND RESOLUTION

\$13,000,000.00

WIIA Grant	3,614,400
Town Contribution	1,000,000
BALANCE TO FINANCE	8,346,541

Project Need

- 1964 Original Tank Construction
- Tank is Currently “Locked Out” of System
- Lacks Sufficient Fire Flow Volume
- Areas of Canandaigua and Farmington Experience pressures below 20 psi during high flow demand occurrences
- NYS DOH has cited pressure issue (violates State DOH requirements for minimum operating pressure in system)
- NYS DOH has cited tank “lock out” as tank could contribute stagnant water not properly disinfected during times of high flow (from existing tank)
- Fire flow drastically impact pressure in system (unstable due to no usable water storage. Pressure supply provided by transmission line only drastically impacted by flow)
- Future development may be hindered as demand increases

Project Development

- District authorized numerous Engineering Studies and Reports relative to the project starting in 2005
- District Authorized SEQR Neg Dec for project (incl. of coordination with both towns and all agencies)
- District Authorized WIIA/IMG Grant Application including letters of support
- District Authorized Bond Resolution and 202-B resolutions for \$9 mil in support of project
- \$3.6 million in grants received from NYS EFC
- District Authorized Design phase of project
- Environmental review complete, FAA approval granted, NYS DEC/USACOE approved, Dept Ag approved, NYS DOH approved (state and local)

Project Bidding

- Bids High due to COVID and current escalated pricing
- Project Budget \$9 to \$13 million
- Steel, concrete, grant req's, transmission main at tank site, tree protection
- Next lowest tank bid \$1 million more
- Much research on potential to re-bid
- Price reduction in future skeptical for re-bid
- **Contractors currently willing to hold price for additional 30 days for award**

Project Capital Costs

- \$13 million Budget
- Includes \$0.9 million contingency
- Potential Value Engineering
 - Interior conditioned space (remove)
 - TTHM removal system (remove – future phase)
 - Site Piping (negotiate to another contract or perform in-house)
 - Potential savings \$0.5 million plus/minus

District User Capital Costs

- Town Investment to date
- Amount to Finance
- Rate Increase
- Water charge compared to others

Questions?

