



Projects for Water Capacity Increase

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Purpose of Projects

- District needs to increase water supply capacity to 10.3 MGD.
- Current Fort Worth intake capacity 7.9 MGD.
- Additional capacity of 2.3 MGD required.



Projects To Upgrade FW Meter

ROFC

Rate of Flow Control Project

Performed by TCMUD No. 1

Northside 48"
Waterline

Northside 48" Waterline Project

Performed by City of Fort Worth

Alignment
Study

Alignment Study for TCMUD/Westlake Line

Performed by City of Fort Worth

TCMUD/West-
lake Waterline

Proposed Water Line for TCMUD and Westlake

To be performed by City of Fort Worth

170/114
Waterline

Waterline Upgrade on Hwy. 170 and Hwy 114

To be performed by TCMUD No. 1

Storage
Capacity

Storage Capacity Upgrades

To be performed by TCMUD No. 1



Rate of Flow Control Project

Performed by TCMUD No. 1

New valves were installed at water plant to allow increased/decreased flow from intake as needed to meet demands.

- SCADA operated
- Increased intake to allow maximum available through existing 10" meter.
- Project Completed FY 2014 and in service

Total Cost: \$214,565

Northside II 48" Waterline Upgrade

Performed by City of Fort Worth (Regional Project)



48" waterline upgrade to Caylor Tank. Project was divided into Part 1 and Part 2. Both are expected to be completed Summer 2015.



Participants include TCMUD, Westlake, Southlake, and Keller.

Estimated District Cost: \$680,000

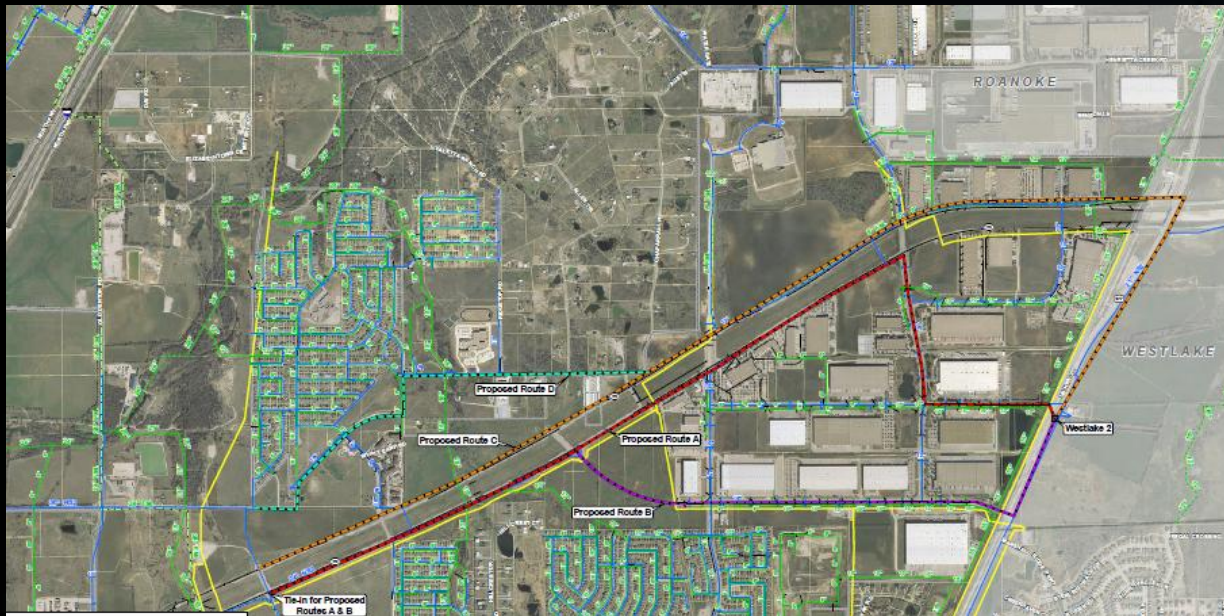


TCMUD/Westlake Alignment Study

Performed by City of Fort Worth

Study will determine best route and location for the waterline, and the size to install (estimated 30" line).

- ILA approved December 2014.
- Kickoff meeting held January 7, 2015.
- Freese & Nichols performing study.
- Completion expected April 2015



**Total
District
Cost:
\$32,593**



TCMUD/Westlake Waterline Construction

Performed by City of Fort Worth (Regional Project)



- Project design can begin after alignment study.
- Construction can begin FY 2016.
- Fort Worth will construct and own line but project to be funded by participants (TCMUD and Westlake).



Storage Tank Needs (EST & GST)

Performed by TCMUD No. 1



- Engineering study will help plan size and timing for third ground storage tank (GST).
- Study will review elevated storage tank (EST) needs and develop timing if additional capacity needed.



Suggested Project Timing



- TCMUD/Westlake Waterline Alignment Study underway.
- Project design can start May 2015.
- Estimated 6 month design with bidding thereafter. Construction can begin FY 2016.

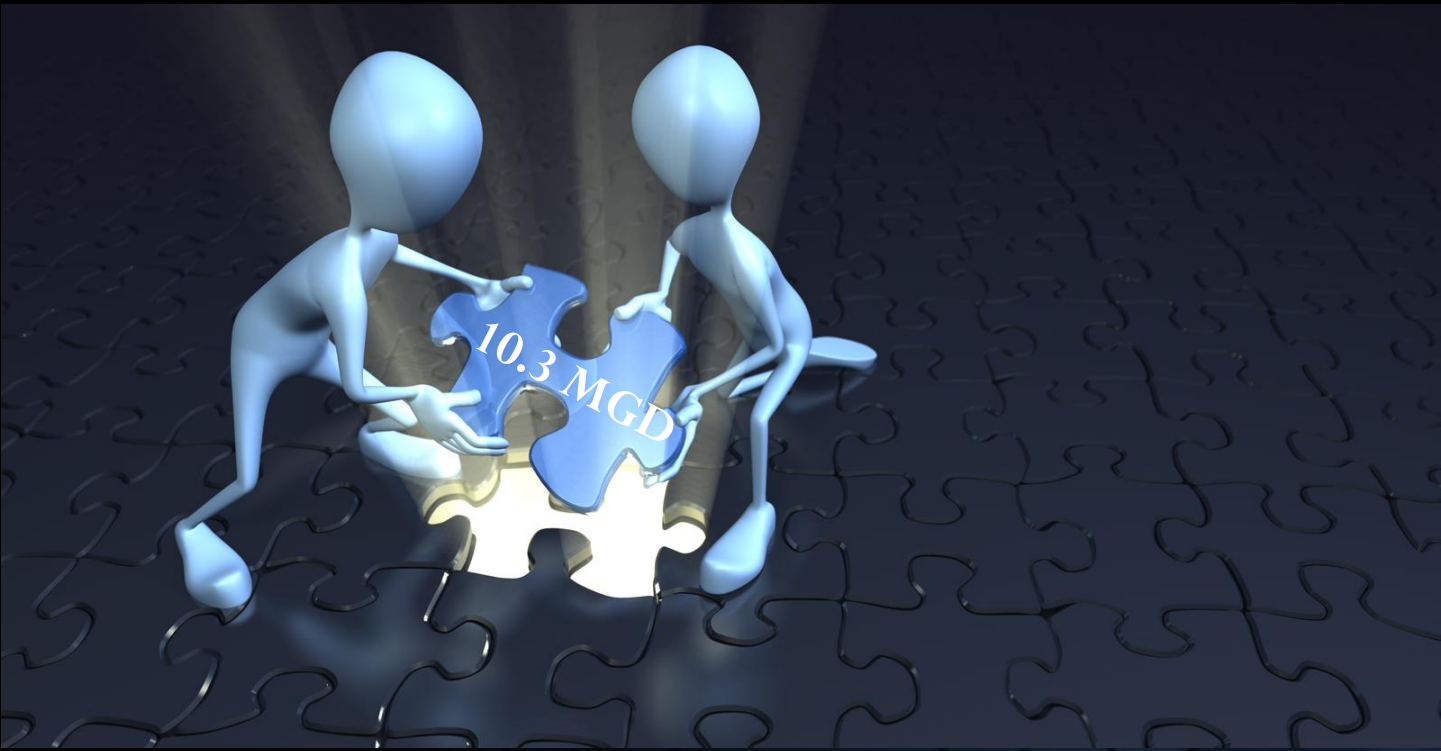
- Route Study for Hwy 170/114 should begin as soon as possible.
- Study will also include GST location and timing.

- Construction of Hwy 170/114 waterline can begin early FY 2016. Completion at approximately same time as TCMUD/Westlake waterline

Recommendation

Obtain engineering proposal for consideration at February meeting. Proposal to complete a study to determine route, location, and size of Highway 170/114 waterline upgrade and storage capacity needs, including site for future ground storage tank at water plant.





QUESTIONS AND COMMENTS

