




McCARRONS WATER TREATMENT PROCESS IMPROVEMENTS UPDATE

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SAINT PAUL
REGIONAL
WATER
SERVICES

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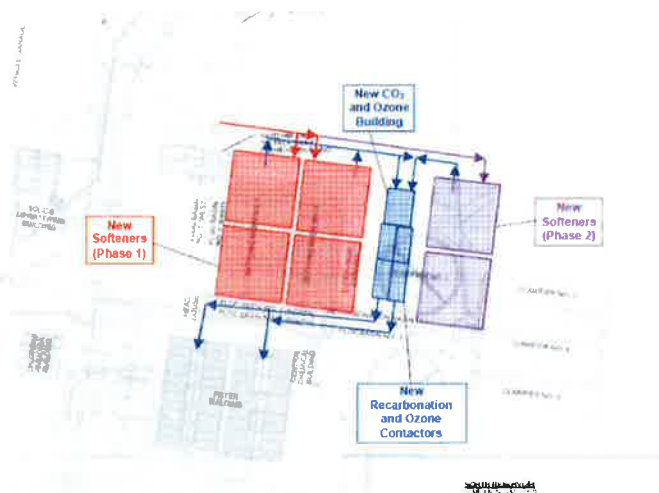
PROJECT OVERVIEW

Solids Contact Clarifiers	Recarbonation Basin	Introduce Ozone
<ul style="list-style-type: none"> Remove old clarifiers and flocculation basins. Replace with new solids contact clarifiers. 	<ul style="list-style-type: none"> Replaces old single basins with no redundancy and limited detention time 	<ul style="list-style-type: none"> Improves water quality Provides strong disinfection barrier Addresses future contaminants Assists with aesthetic/taste & odor

2

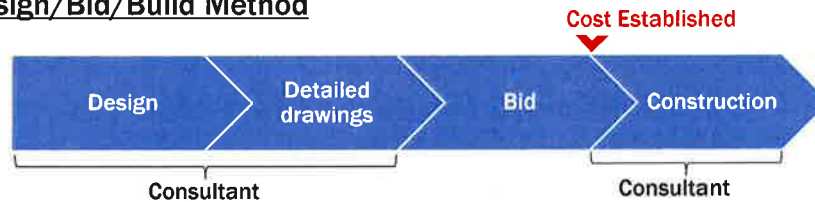


PROJECT OVERVIEW

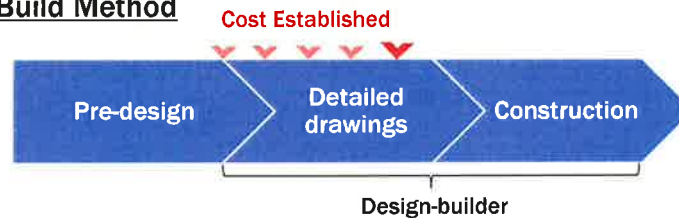


DESIGN-BUILD PROCUREMENT

Design/Bid/Build Method



Design/Build Method



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WHY DESIGN-BUILD?

1

Improved cost and schedule performance.

- This is a large retro-fit project and design-build will reduce risk and limit change orders.

2

Results in a more efficient management process and minimize owner risk.

3

Helps provide continuity of service.

- Existing plant operations must be maintained as new treatment processes come on line.

4

A collaborative delivery method will allow for owner input during design.

- This helps ensure the needs of our customers are met.

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LATEST DEVELOPMENTS

Legislative Approval for Design-Build

- Sponsored by Rep. Tim Mahoney and Sen. Chuck Wiger
- Unanimous in both house and senate
- Board must consider at least three proposals when awarding DB contract

Status of Funding

- Submitted application for State Revolving Fund

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NEXT STEPS

Hire Owner Advisor (Consultant)

- Pre-design
- Bench Scale Testing (1 yr. ±)



Procurement for Design-Build Team



Preliminary Design/Guaranteed Maximum Price



Final Design/Construction

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