Agenda for the Goshen Common Council

1:30–3:30 p.m., JUNE 13, 2025 Education/Work Session

Goshen Chamber of Commerce, 232 S. Main Street, Goshen, IN

For a live stream of the meeting, go to: https://us02web.zoom.us/j/81652777559

1) Welcome & Pledge of Allegiance *led by Lydia Jordan, Goshen Intermediate School*

2) Presentation: Water System Infrastructure Needs *(30 minutes)*
Presented by Jamey Bontrager-Singer and Boston Snyder, Goshen Engineering

- Problems
- Options
- Financial implications
- Q&A (20 minutes)

3) Break (10 minutes)

4) Presentation: Understanding Senate Bill 1 – Financial impacts on Goshen (20 minutes)
Presented by Amber Nielsen, Baker Tilly Municipal Advisors

- Homestead Property Assessment deductions and credit changes
- Business Personal Property Tax changes
- New Growth Caps
- TIF neutralization
- Circuit Breaker Credit impact
- Local Income Tax changes
- Referendum changes
- Wheel Tax changes

5) Presentation: SB1 Adaptation + Recovery Strategies (20 minutes)
Presented by Amber Nielson and Mayor Leichty

- Revenue options
- Expense management
- Budget restructuring
- Modifications in service delivery
- Reductions in service levels
- Q&A (20 minutes)

6) Adjournment

Note: While he public is welcome to attend, there won't be a comment period or votes.

Link to the archived recordings – organized in a playlist by meeting:
https://www.youtube.com/@cityofgoshenindiana2605/playlists

Public Water System Operations Update

City Council Work Session

June 13, 2025

City's Water System Upgrade Timeline

Dec. 2022	Property Purchased
July 2023	Well Driller Hired to Drill Test Wells
Jan. 2024	IDEM Well Permit Received, Willd Flower Prarie Seeded
Feb. 2024	Hired engineering firm for Wellfield Feasibility Study
July 2024	Developed Preliminary Engineering Report
Feb. 2025	Water Quality Tested, Wellfield Production Capacity estimated
Apr. 2025	PER Application Submitted to SRF for Funding
July 2025	SRF Funding to be Determined
Sep. 2025 – June 2026	Project Design to be Completed
Apr. 2026	Apply for SRF Funding
July 2026	SRF to Decide on Project Fundability
Oct. 2026	Project to Bid
Jan. 2027 – Dec. 2028	Construction to be completed

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Preliminary Engineering Report Findings

North Wellfield

To be decommissioned for water production

1. Water quality issues
   - EPA National Priority List (INN000510667)
   - Cis-1,2-dichloroethylene detected
   - PFAS detected
2. Proximity to the floodway

Alternative	Description of Alternative	Capital Cost (2025$)
NORTH WELLFIELD AND WTP IMPROVEMENTS		
Alternative 4A.2	North Wellfield at Partial Capacity	$60,000
Alternative 4B.0	No Action concerning chlorination.	$0
Alternative 4C.0	No Action concerning fluoridation.	$0
Alternative 4D.3	North WTP Gradual Decommissioning	$176,000
	PHASE I - NORTH SUBTOTAL	**$236,000**

Preliminary Engineering Report Findings

Alternative	Description of Alternative	Capital Cost (2025$)
KERCHER WELLFIELD AND WTP IMPROVEMENTS		
Alternative 5A.1	Kercher Wellfield Temporarily Maintained at Reduced Capacity	$60,000
Alternative 5B.2	No Action concerning chlorination in Phase I	$0
Alternative 5C.1	No Action concerning fluoridation in Phase I	$0
Alternative 5D.2	Kercher WTP Operating Temporarily at Reduced Capacity	$0
	PHASE I - KERCHER SUBTOTAL	**$60,000**

Kercher Wellfield

Plant will be upgrade in Phase II

For resiliency, we need two Plants

The Kercher Plant can provide opportunities

- Water Quality is better than at the North Water Plant
- We will complete a 3D study of the aquifer to confirm there are no issues

Upgrades are NOT funded in current PER

1. Purchase of additional property
2. Replacement of well(s)
3. Replacement of stand-by generator
4. Replace flow meter
5. Enclose pressure filters

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Alternative	Description of Alternative	Capital Cost (2025$)
HILLTOP BOOSTER STATION IMPROVEMENTS		
Alternative 7A.2	Proposed New Hilltop Booster Pumping Station	$6,537,000
Alternative 7B.1	Proposed Underground Storage Tank and Groundwater Underdrain	$818,000
	PHASE I - HILLTOP SUBTOTAL	**$7,335,000**

Preliminary Engineering Report Findings

Hilltop Booster Station

Proposed Improvements

- Construct a new pump house
- (2) – 750 gpm pumps
- (1) – 1500 gpm pump
- Space for future
  (1) - 1500 gpm (for fire flow)
- Tank groundwater drain

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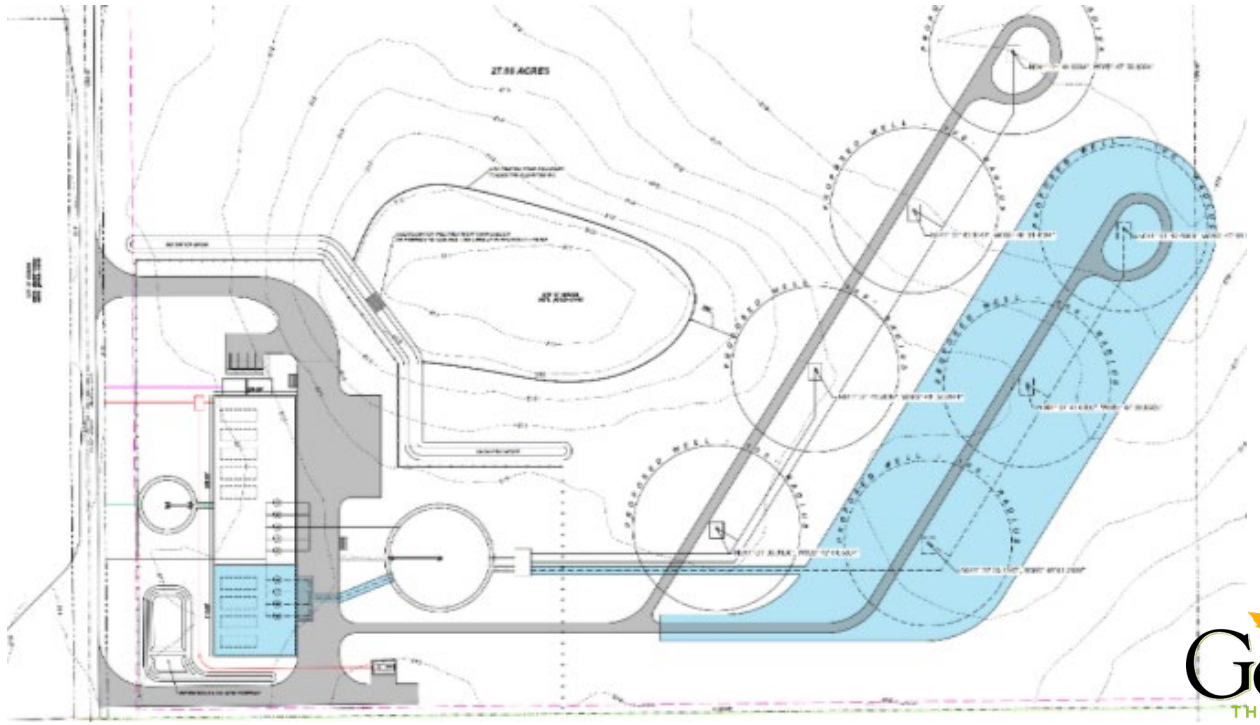
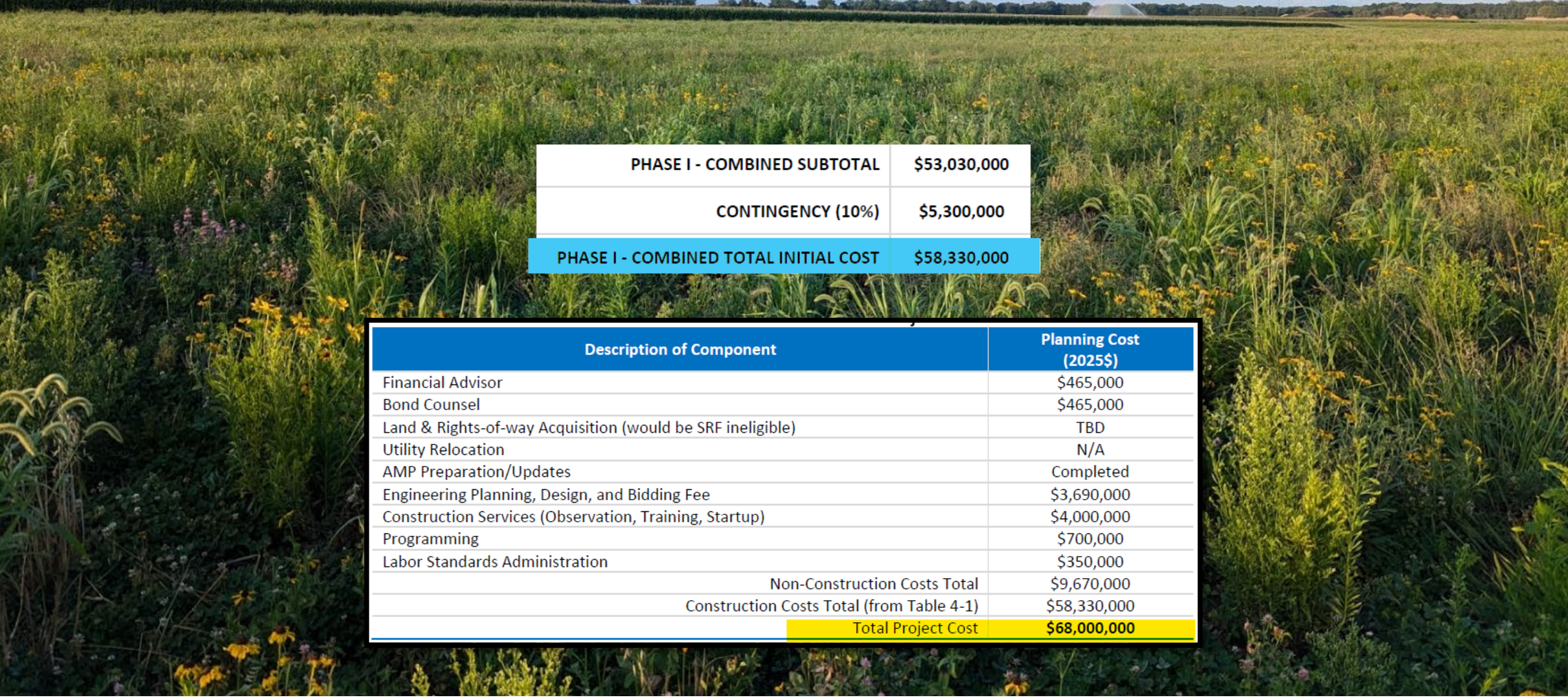
Preliminary Engineering Report Findings

South Wellfield

Alternative	Description of Alternative	Capital Cost (2025$)
SOUTH WELLFIELD AND WTP IMPROVEMENTS		
Alternative 6A.1	South Wellfield at Partial Buildout	$7,225,000
Alternative 6B.2	South WTP Bulk Sodium Hypochlorite Disinfection	$1,517,000
Alternative 6C.1	South WTP Fluoride Treatment	$630,000
Alternative 6D.1	South WTP Operating at Partial Buildout	$36,026,000
	PHASE I - SOUTH SUBTOTAL	**$45,398,000**





PHASE I - COMBINED SUBTOTAL	$53,030,000
CONTINGENCY (10%)	$5,300,000
PHASE I - COMBINED TOTAL INITIAL COST	$58,330,000

Description of Component	Planning Cost (2025$)
Financial Advisor	$465,000
Bond Counsel	$465,000
Land & Rights-of-way Acquisition (would be SRF ineligible)	TBD
Utility Relocation	N/A
AMP Preparation/Updates	Completed
Engineering Planning, Design, and Bidding Fee	$3,690,000
Construction Services (Observation, Training, Startup)	$4,000,000
Programming	$700,000
Labor Standards Administration	$350,000
Non-Construction Costs Total	$9,670,000
Construction Costs Total (from Table 4-1)	$58,330,000
Total Project Cost	**$68,000,000**

Preliminary Engineering Report
Phase I Project

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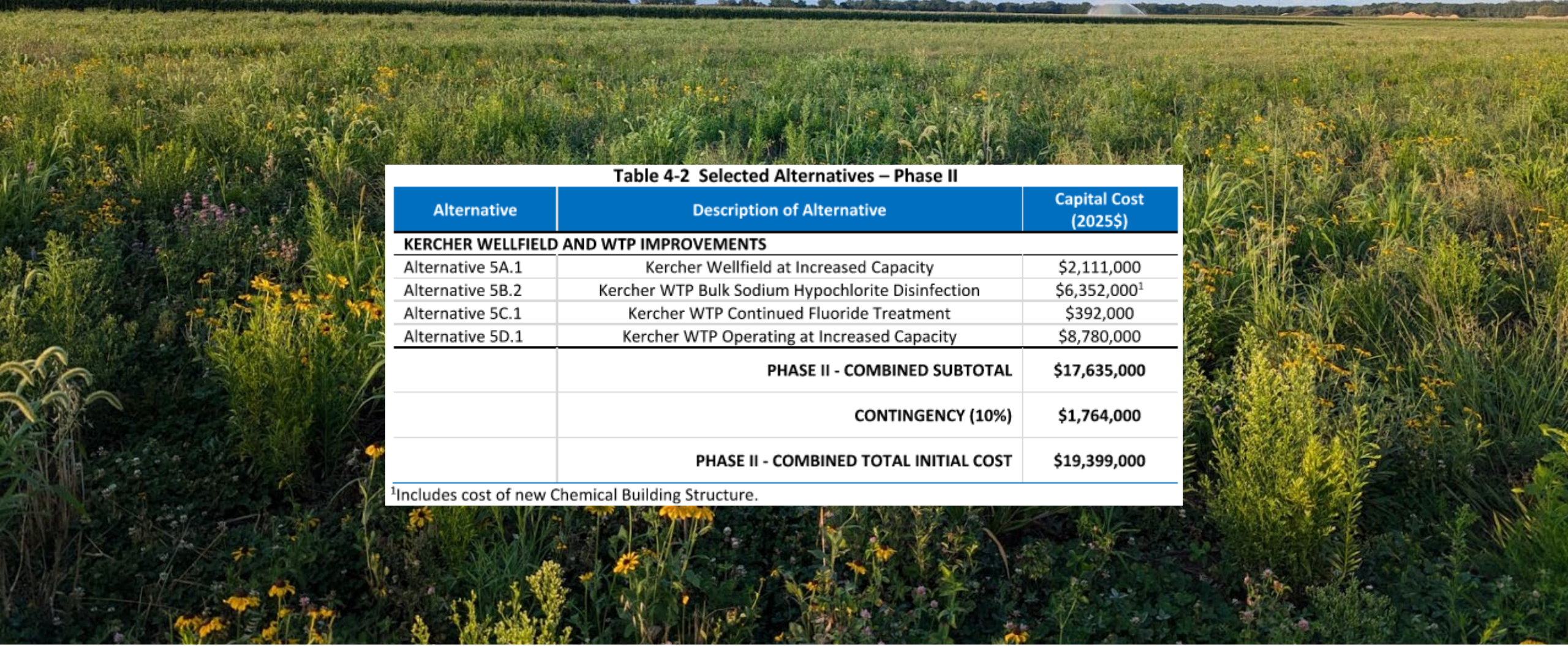

Table 4-2 Selected Alternatives – Phase II

Alternative	Description of Alternative	Capital Cost (2025$)
KERCHER WELLFIELD AND WTP IMPROVEMENTS		
Alternative 5A.1	Kercher Wellfield at Increased Capacity	$2,111,000
Alternative 5B.2	Kercher WTP Bulk Sodium Hypochlorite Disinfection	$6,352,000[1]
Alternative 5C.1	Kercher WTP Continued Fluoride Treatment	$392,000
Alternative 5D.1	Kercher WTP Operating at Increased Capacity	$8,780,000
	PHASE II - COMBINED SUBTOTAL	**$17,635,000**
	CONTINGENCY (10%)	**$1,764,000**
	PHASE II - COMBINED TOTAL INITIAL COST	**$19,399,000**

[1]Includes cost of new Chemical Building Structure.

Preliminary Engineering Report Findings
Phase II Project

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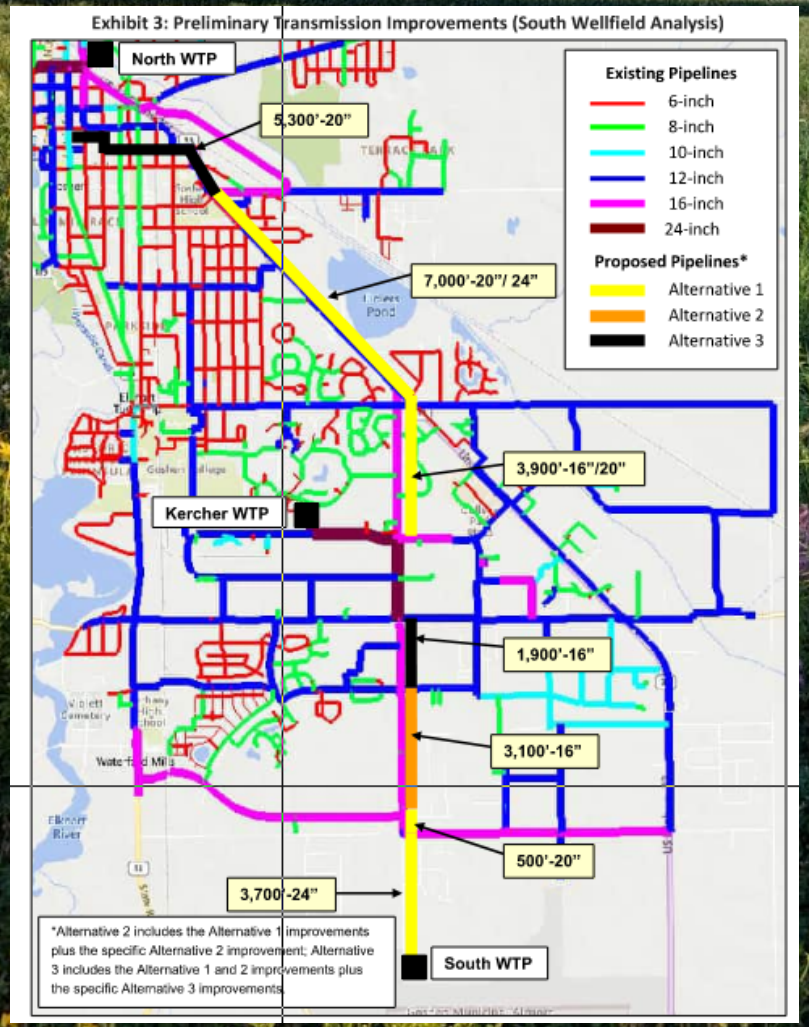

The following improvements are recommended. Three alternative improvement plans are shown, with each alternative based on different plant operating scenarios. The recommended transmission improvements are designed to meet the 2035 and 2045 MDD conditions. The general location of the improvements are shown in **Exhibit 3**.

Alternative 1: All three WTPs in operation.

1. Install approximately 3,700 feet of 24-inch main from the South WTP north along CR 27 to the existing 16-inch mains at CR 40.
2. Install approximately 500 feet of 20-inch main along Dierdorff Road from CR 40 north to the existing 16-inch main that extends west on Waterford Mills Parkway.
3. Install approximately 3,900 feet of 16-inch main along Dierdorff Road from Eisenhower Drive N to US 33, parallel to existing 16-inch main.
4. Install approximately 7,000 feet of 20-inch main along US 33 from College Avenue to Monroe Street, replacing 12-inch main.
5. Provide well pump upgrades at the Kercher WTP as needed to match the higher predicted HGL at the southern end of the system.

Alternative 2: The North and South WTPs in operation.

1. Alternative 1 improvements, plus:
2. Install approximately 3,100 feet of 16-inch main along Dierdorff Road from Waterford Mills Parkway north to Regent Street.

Alternative 3: The Kercher and South WTPs in operation.

1. Alternative 1 and 2 improvements, plus:
2. The segment of 3,900 feet of 16-inch main along Dierdorff Road from Eisenhower Drive N to US 33 should be upgraded to 3,900 feet of 20-inch main, installed parallel to the existing 16-inch main.
3. The segment of 7,000 feet of 20-inch main along US 33 from College Avenue to Monroe Street should be upgraded to 7,000 feet of 24-inch main, replacing the 12-inch main.
4. Install approximately 1,900 feet of 16-inch main along Dierdorff Road from Regent Street to Kercher Road, parallel to the existing 16-inch main.
5. Install approximately 5,300 feet of 20-inch main from US 33 and Monroe to Washington and Main (Route to be determined).

Preliminary Engineering Report
Required Distribution System Improvements

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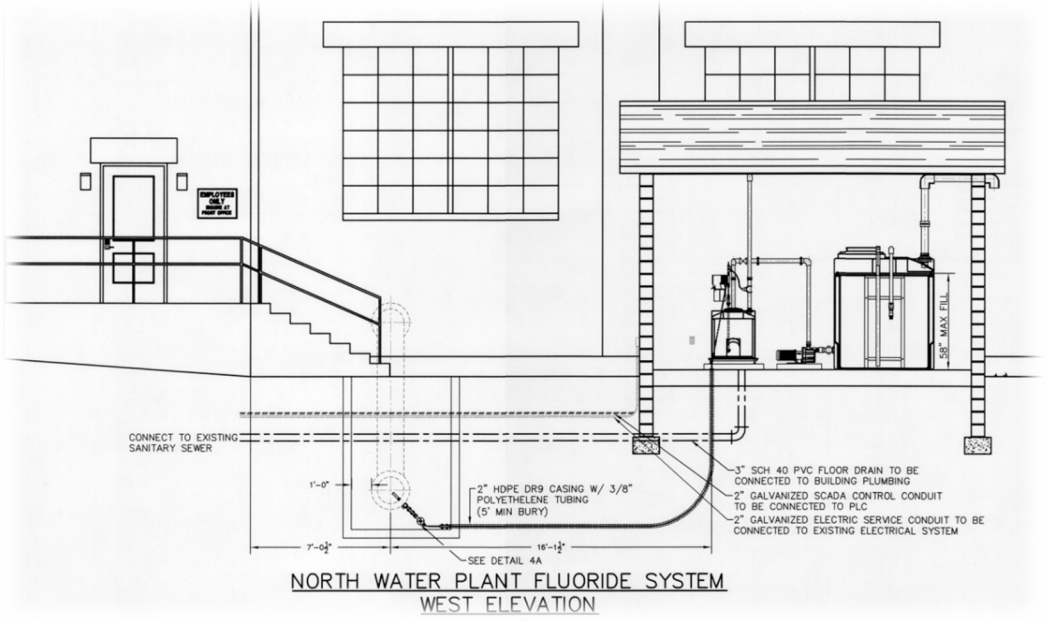
Fluoride Discussion



NORTH WATER PLANT FLUORIDE SYSTEM
WEST ELEVATION

- Addition of fluoride to the drinking water system is voluntary
- Goshen's water sources have natural fluoride at 0.20 mg/L, and the Utility boost the fluoride concentration water to 0.80 mg/L
- Goshen Water spent $131,000 for sodium fluoride in 2024
  - 290,596.8 lbs @ $0.4513/lb
- Anticipated cost to add it to the new water treatment plant - $630,000
- States that have recently banned the use of fluoride:
  - Utah (May 7, 2025)
  - Florida (May 15, 2025)
- States considering the ban of fluoride:
  - Massachusetts
  - Kentucky
  - South Carolina
  - Louisiana
  - Nebraska
- Supporters of the Addition of Fluoride
  - Still supported by the American Dental Association
  - The Centers for Disease Control and Prevention (CDC)
- Before design begins, Goshen Water would like confirmation the Administration and City Council support the continued addition of fluoride in Goshen's water system

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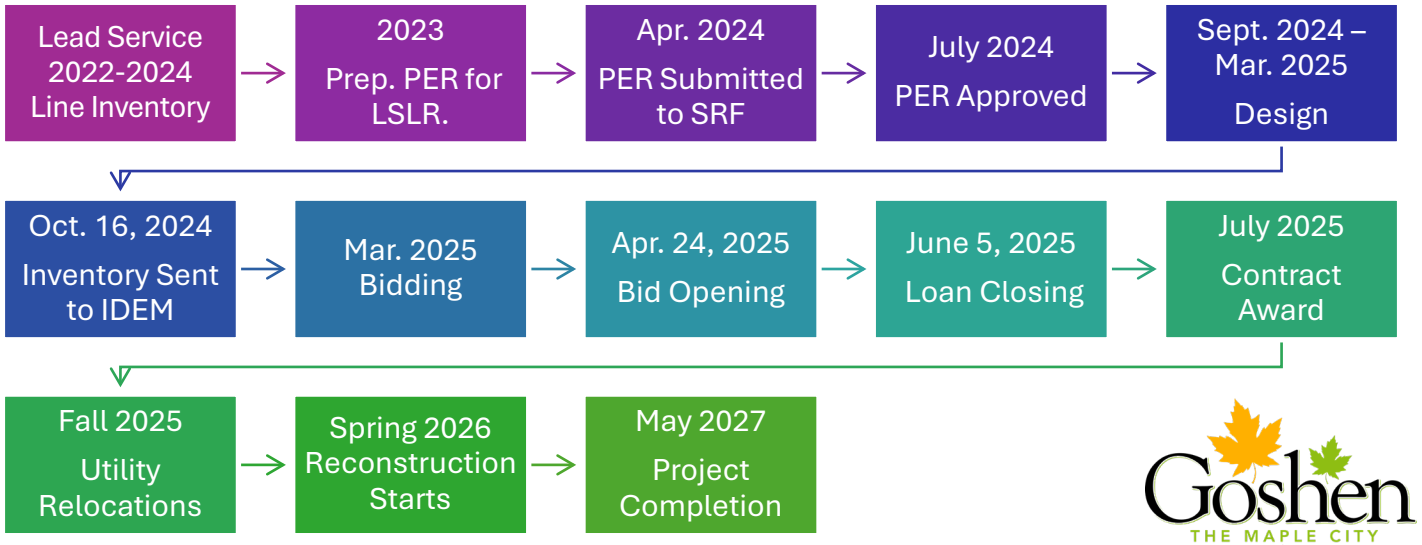
Oakridge Ave. looking East. Corridor is slated for full right-of-way Reconstruction including galvanized water service replacements, Storm Sewer, Sanitary Sewer, Streets, Curb & Gutter, and Sidewalk.

Service Line Inventory Statistics	
11,990	Properties Evaluated for Water Service
9,538	Tap Cards Reviewed (twice!)
4,981	Meters Checked and Photographed
548	Self-Reports
400	Lines verified during potholing
374	Additional lines verified via some other excavation-type method

Lead Service Line Activities



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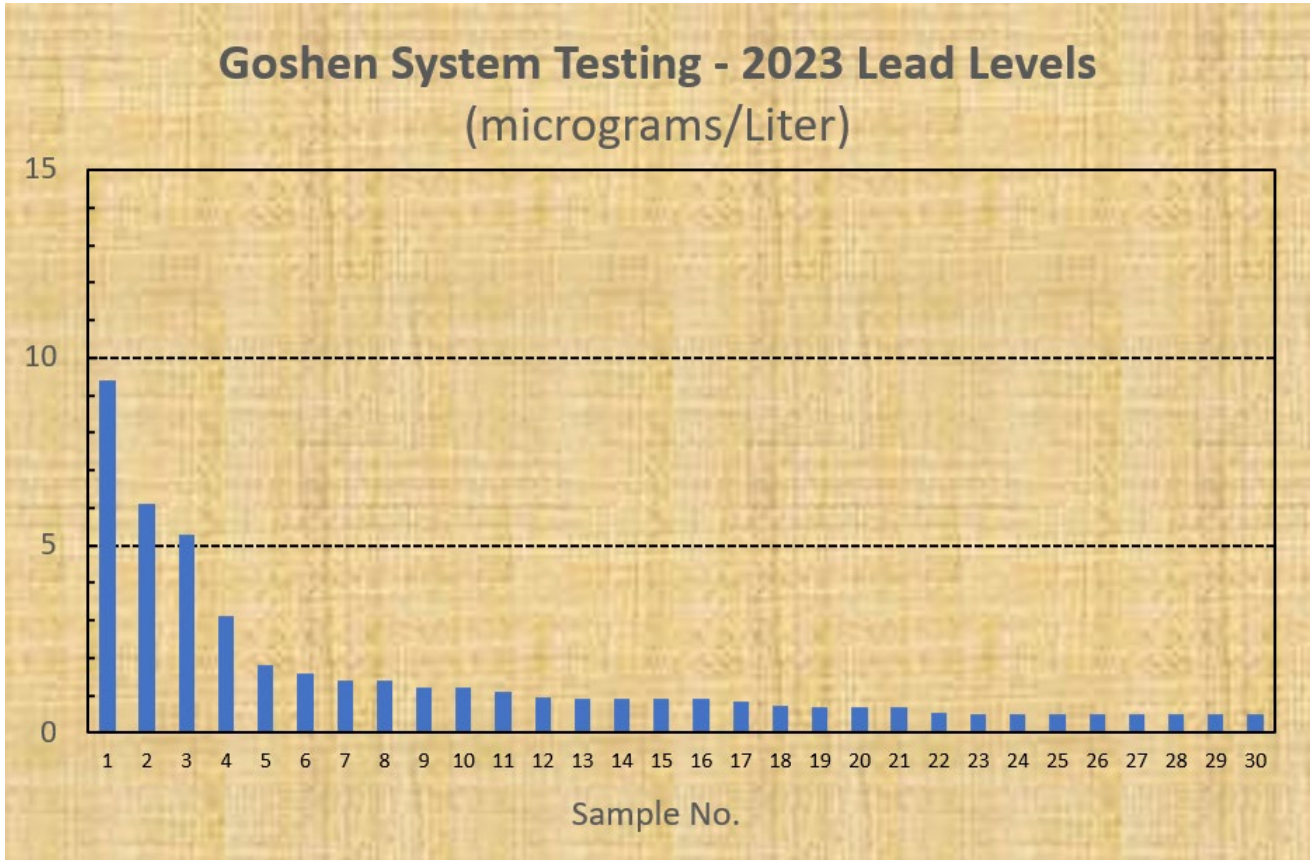
EPA Concentration Limits

Photo by Rephile water on Unsplash



10 µg/L

EPA's action level for lead in water delivered to users of public drinking water systems is 10 µg/L (Reduced from 15 µg/L)

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