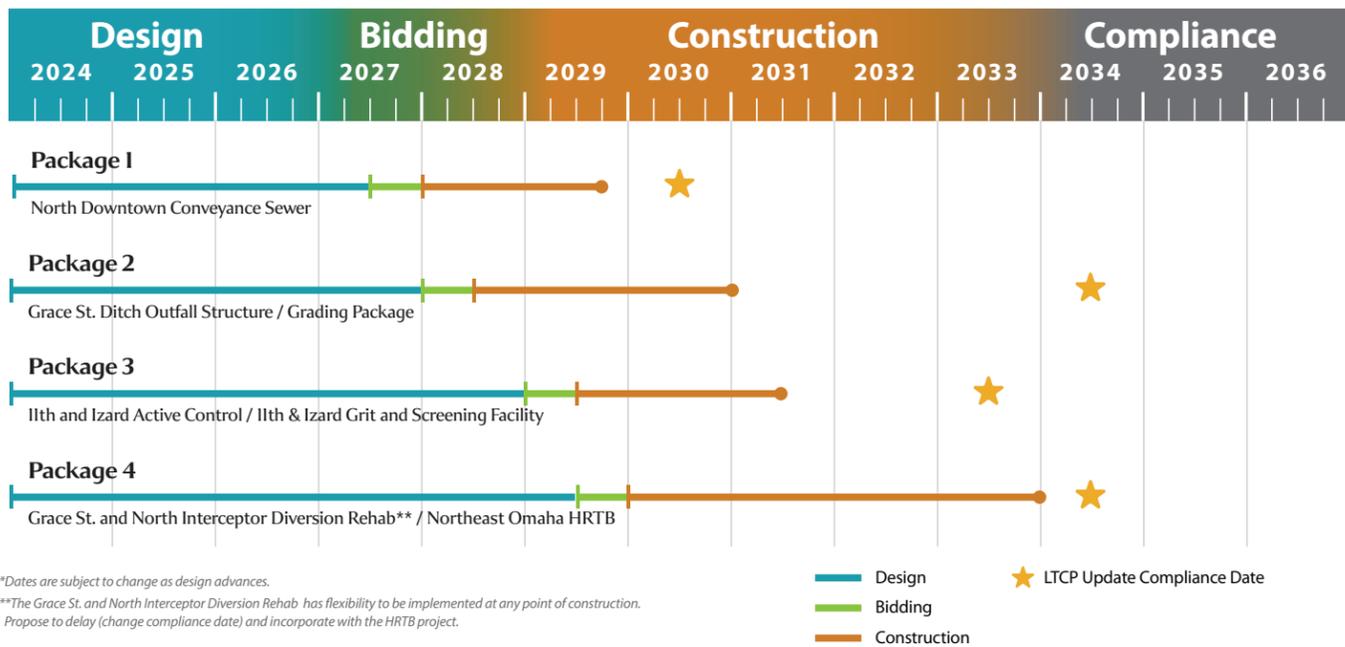


Construction Schedule



Northeast Omaha High Rate Treatment Basin

Omaha, NE | December 2025

The City of Omaha is advancing its commitment to clean water and regulatory compliance through continued reduction of combined sewer overflow (CSO) discharges. The next major milestone is the **Northeast Omaha High Rate Treatment Basin** (NEOHRTB). This critical infrastructure investment is designed to address high-volume outfalls along the Missouri River and enhance water quality in the Minne Lusa and Burt-Izard basins in Northeast Omaha.

This project directly supports the City's obligation to meet the 85% CSO volume capture requirement outlined in the EPA's CSO Control Policy Consent Order, while also laying the groundwork for smarter, more cost-effective solutions in the future. By incorporating proactive engineering, the NEOHRTB may reduce the scope or complexity of other CSO control efforts and deliver long-term value to ratepayers.

Identified in the 2021 CSO Long Term Control Plan Update as a key alternative to the Deep Tunnel, the NEOHRTB will include:

- Four diversion structures
- Shallow conveyance sewers
- Grit and screening facilities
- A deep conveyance sewer
- A high-rate treatment basin

This investment reflects Omaha's dedication to environmental stewardship, regulatory compliance, and infrastructure resilience that benefits both our community and waterways.



The project site is located north of Abbott Drive between 6th and 11th Streets, near the Omaha Levee. Historically, this area has hosted Union Pacific's Omaha Shops, a construction debris landfill, a municipal waste incinerator, and a recycling transfer station.

Project Delivery Options

DBB is the project delivery method that has been used on previous CSO projects, where the City contracts with separate entities for design and construction.



CMAR is a commitment by a Construction Management entity to deliver the project with a Guaranteed Maximum Price, based on the construction documents and specifications.



LEGEND
■ City
■ Construction Manager
■ Designer
 Embedded Relationship

Critical Issues

- 1 Maintain project budget and schedule
- 2 Right-size conveyance components to maximize capture
- 3 Optimize HRTB facilities layout and performance
- 4 Stakeholder engagement with USACE and utilities
- 5 Coordinate with North Downtown stakeholders to minimize impacts with future development.

Project Delivery

Project Overview



The Northeast Omaha High Rate Treatment Basin Project is included in the city's 2021 CSO Long Term Control Plan Update. For more information on this Project, please visit KeepItCurrentOmaha.com



City of Omaha
1819 Farnam St.
Omaha, NE 68183



Project Objectives



Integrate improvements with planned redevelopment.



Real-time controls to **maximize watershed performance.**



Advance the City's 85% capture goal to help **meet water quality requirements.**



Align cost with operational system reliability.

Project Facilities

1 11th & Izard Active Control Facility

This facility will:

- Divert up to 100 MGD of combined sewer flow away from CSO Outfall 108.
- Redirecting flows toward the grit and screening facility and ultimately the NEOHRTB.
- Responding to a real-time control system that will monitor maximum capacity at the Burt-Izard Lift Station (BILS).



2

2 11th & Izard Grit and Screening Facility

Located east of 11th and Izard, this facility will:

- Remove grit and debris from diverted flows.
- Protect the North Downtown Conveyance Sewer from sediment loading.



2

3 North Downtown Conveyance Sewer

This deep sewer (tunnel) will:

- Convey up to 100 MGD of flow from 11th & Izard to the NEOHRTB.
- Be constructed in bedrock beneath existing infrastructure and Union Pacific Railroad property.
- Measure approximately 72 inches in diameter.



4

4 Northeast Omaha High Rate Treatment Basin – 6th Street and Abbott Drive (NEOHRTB)

This 185 million gallons per day (MGD) facility will treat combined sewage during wet weather events. The process includes:

- Disinfection, solids settling, and dechlorination before discharge to the Missouri River.
- Dewatering of remaining flows back to the collection system for full treatment at the Missouri River Water Resource Recovery Facility (MRWRRF).
- Key infrastructure includes diversion structure, grit and screening facility, wet well and 185 MGD pump station.



4

Images shown at right are renderings are for illustrative purposes only.



The Northeast Omaha High Rate Treatment Basin is located north of Abbott Drive and east of 6th Street. This High Rate Treatment Facility (4) will accept flows from the Grace Street Ditch and North Downtown Conveyance Sewer (3) for treatment and discharge to the Missouri River.

Additional Improvements

Grace Street & North Interceptor Diversion Rehabilitation

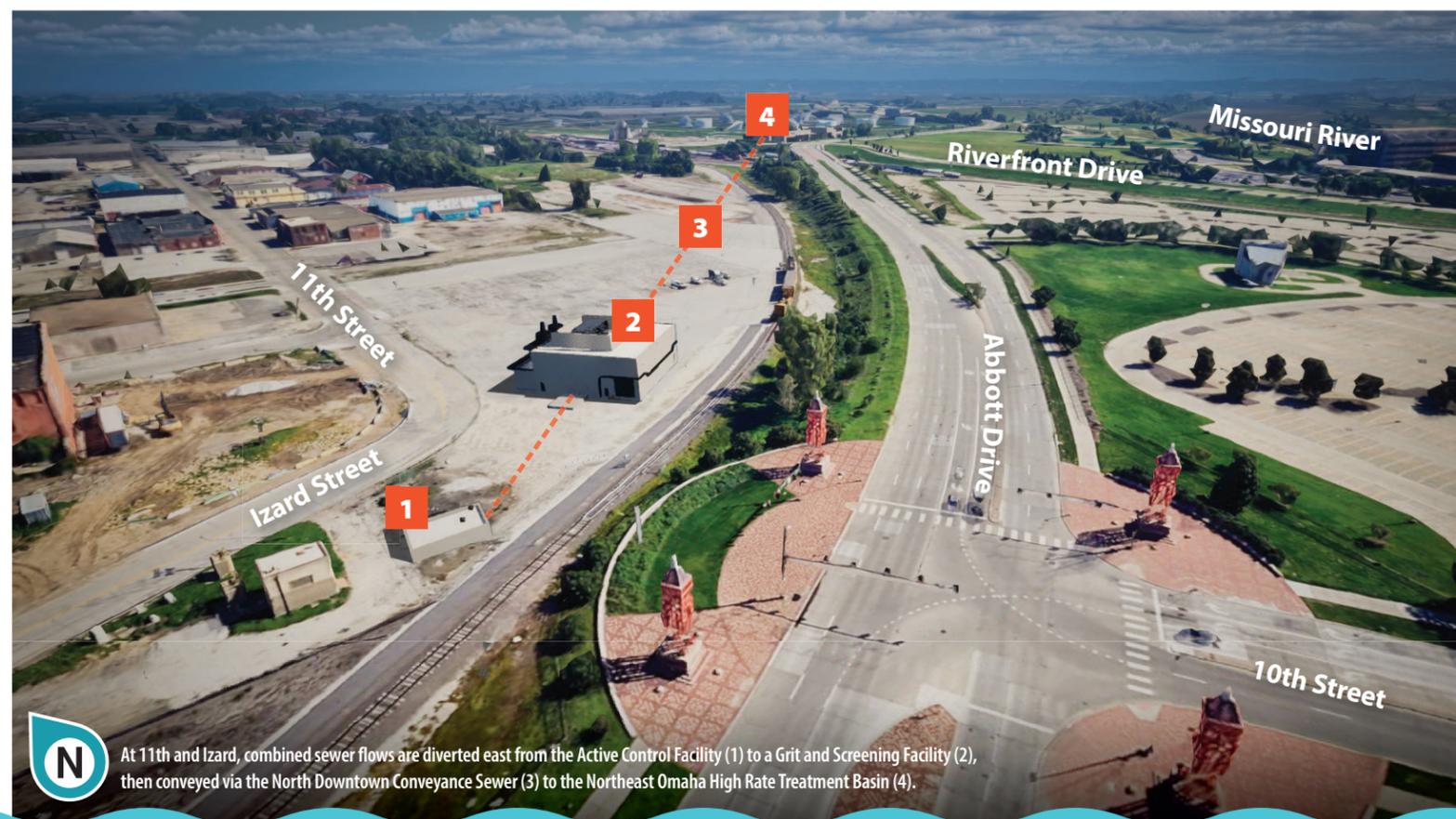
These aging diversion structures will be:

- Rehabilitated and equipped with automated gates to manage wet weather flows.
- Designed to redirect flows to the NEOHRTB, easing pressure on the BILS and reducing CSO volumes in the Burt-Izard Basin.

Real-Time Control – Decision Support System (RTC-DSS)

This smart sewer technology will:

- Use sensors, flow meters, and automated gates to optimize system performance.
- Maximize use of existing infrastructure, similar to the City's Intelligent Traffic System.
- Enhance responsiveness and efficiency in managing wet weather events.



At 11th and Izard, combined sewer flows are diverted east from the Active Control Facility (1) to a Grit and Screening Facility (2), then conveyed via the North Downtown Conveyance Sewer (3) to the Northeast Omaha High Rate Treatment Basin (4).