



Quarterly Report | **2021 Q2**

April–June 2021

Omaha Combined Sewer Overflow Control Program
Implementation Phase



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Clean Solutions for Omaha

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PROGRAM MISSION

The Program Management Team's job is to save money for ratepayers and do what is best for the community as we meet the objectives and requirements of the Clean Water Act.

For additional information regarding the Omaha CSO Program, please visit www.OmahaCSO.com or call the CSO Program Information Line at 402-341-0235.

ON THE COVER: Construction progresses at the Riverview Lift Station Replacement Project. Notice the Missouri River in the background of the aerial view (at left).



A City of Omaha
Public Works Initiative



Basin roof slab construction continued this quarter at the Saddle Creek Retention Treatment Basin Project.



Supplemental construction work is wrapping up at the Missouri Avenue Sewer Separation / Spring Lake Park, Phase 2 Project.



Three of the five wastewater pumps have been replaced as part of the Missouri River Water Resource Recovery Facility – Transfer Lift Station Pump Replacement Project.



Crews are on-site and construction is underway on the Cole Creek CSO 203 Sewer Separation Project.



Construction is just ramping up at the Cole Creek CSO 204 Area–Phase 3 Combined Sewer Separation Project.

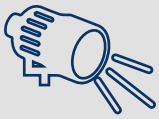
2ND QUARTER HIGHLIGHTS



- ✂ Final design is in progress for **Cole Creek CSO 202 Phase 2 – 70th Avenue and Spencer Street**. The 60% plans were reviewed in Q2 2021.
- ✂ Final design is nearing completion for **Hickory Street Sanitary Sewer Relocation**, with bid advertisement anticipated in Q3 2021.
- ✂ Preliminary design is in progress for the **CSO 119 South Barrel Conversion and Sewer Separation Project**.
- ✂ Final design is underway for the modified **Forest Lawn Creek Inflow and Outflow Storm Sewer Project**.
- ✂ Design is underway for the **Papillion Creek North 212 – 64th Avenue and William Street Project**. First deliverable (30% plans) is anticipated this fall.
- ✂ Field work in advance of design is underway for the **Cole Creek CSO 204 Sewer Separation, Phase 4A and 4B Project**. Conceptual design deliverable is anticipated in spring 2022.
- ✂ **Blake Street Lift Station Improvements Project** construction bid advertisement is anticipated in Q4 2021 upon completion of right-of-way and property acquisition activities.
- 🚧 **Monroe Street Lift Station Improvements Project** bid opening was this quarter. Bid information from three bidders is under review and the contract recommendation will be forwarded to the City for review and approval in Q3 2021.
- 🚧 **Nicholas Street Sewer Extension, Phase 3B Project** construction contract was awarded in this quarter with construction expected to begin in Q3 2021.
- 🚧 **Papillion Creek North (PCN) CSO 210 Sewer Separation Project** notice-to-proceed was issued to Roloff Construction in Q2 2021.
- 🚧 Final electrical and pipe support elements are being completed for the **Burt-Izard Lift Station Improvements Project**. Start-up activities will extend through Q3 2021. The South Interceptor Force Main North Segment will be placed into operation when lift station start-up is completed.

✂ Study & Design
📄 Completed

🚧 Bid/Construction
⚙ Future Project



Updated Public Website *Streamlines* CSO PROGRAM INFORMATION

A revamped version of the CSO Program website debuted on May 1, 2021, providing an enhanced and streamlined public user experience.

The public website is a powerful tool that connects and educates ratepayers and other interested parties with important CSO Program work being accomplished. It includes in-depth information about Program projects, current and upcoming activities, contractor resources, and historic Program documents.

In late 2020, it became evident that a new site architecture was needed. The previous design was more than eight years old and technical programming support was being phased out. The new site is easier to maintain and update and includes navigational and aesthetic improvements for users.



With a fresh, lighter look and enhanced navigation, site visitors can quickly find and access the information they are searching for. On the homepage, six red buttons serve as quick links to educational resources about the CSO Program. A fly-out menu containing links to the most visited pages can be accessed across the site.

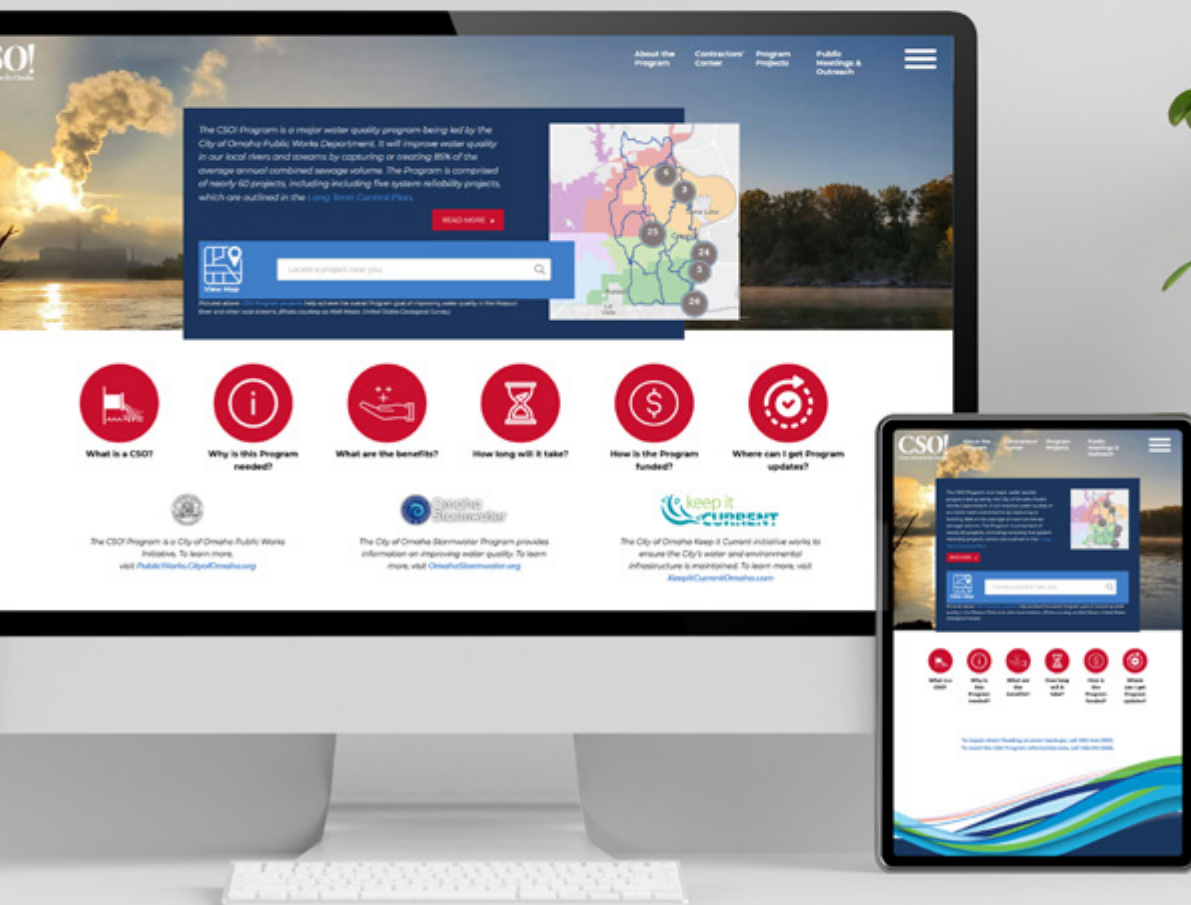
A key element of the new website design is an interactive project map. This feature makes it easy to see current activity locations at a glance, as well as search for specific addresses. The color-coded design makes it easy to see the status of a project, and the map provides quick links to more in-depth information about each project.

Bright, on-brand infographics and videos on the site help convey information about the CSO Program, including the mission, vision and goals; a timeline of events; community benefits; funding; and more.

The design is responsive, meaning it displays well on different sized screens and devices such as smartphones and tablets.

Want to learn more about the website? Check out detailed website statistics, including most visited pages, on page 11 of this report.

Check out the new CSO Program website at OmahaCSO.com to experience the new design and stay updated on the latest CSO Program projects and activities.





PROGRAM GOALS

Goal 1:

Regulatory Compliance

Meet specific regulatory requirements as identified by the Environmental Protection Agency and Nebraska Department of Environment and Energy.

- Complete implementation of CSO projects within identified schedule.
- Reduce pollutant discharges to the Missouri River and Papillion Creek.



Goal 2:

Economic Affordability

Minimize cost impacts to ratepayers by completing CSO projects within or under budget.

Goal 3:

Community Acceptance

Maintain continuous public dialogue, provide information and pursue opportunities for multiple benefits in CSO projects.

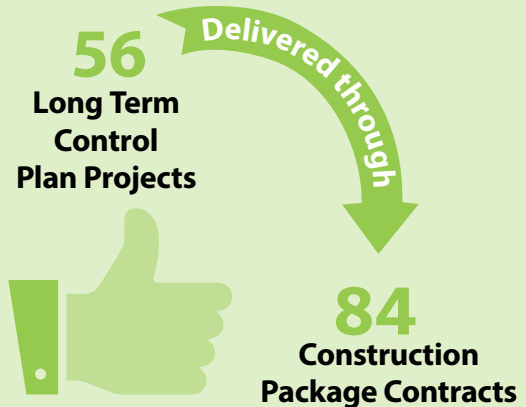
PROGRAM MISSION

The CSO Program's mission is to save money for ratepayers and do what is best for the community as we meet the objectives and requirements of the Clean Water Act.



Goal 1: Regulatory Compliance

Regulatory Compliance includes two items: 1) implement projects within the identified schedule and 2) reduce pollutant discharges to the Missouri River and Papillion Creek.



Multiple packages provide more opportunities for local contractors and efficient delivery.

PROJECT STATUS:

* These numbers reflect 39 Long Term Control Plan projects that were removed, combined or pooled as part of Program adaptive management.



Study & Design

7 Projects

9 Contracts



Bid/Construction/Complete

34 Projects

57 Contracts



Future

15* Projects

18* Contracts



MAJOR PROJECTS

Phase	Description of Phase	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
1	Missouri River Water Resource Recovery Facility Improvements (MRWRRF)	✓	✗									✗																		
1	South Interceptor Force Main (SIFM)	✓	✗									✗																		
2	Saddle Creek Retention Treatment Basin (SCRTB)		✓	✗																										
4	Deep Tunnel System/Missouri River Retention Treatment Basin, and others																													



Notice to Proceed to Consultant for Final Design



Notice to Proceed to Constructor



Operationally Complete

- | This Quarter

SEWER SEPARATION PROJECTS

Project Phase	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Phase 1		✗																											
Phase 2			✗																										
Phase 3				✗																									
Phase 4																													
Phase 5																													
Phase 6																													
Phase 7																													



Commence Bidding



All Construction Projects Complete

Construction is 60% complete at the **Saddle Creek Retention Treatment Basin Project**.

Redesign efforts began on the **Forest Lawn Inflow Removal and Outfall Storm Sewer Project**.

Initial project design is underway for **Cole Creek CSO 204 Sewer Separation, Phase 4A and 4B**.

SCHEDULE: Long Term Control Plan (LTCP) project schedules are consistent with the 2014 LTCP Update, 2015 CSO Permit and associated modifications, and formal submittals to Nebraska Department of Environment and Energy (NDEE). In March 2019, the City submitted a request to modify milestone dates within the CSO Permit and LTCP as follows:

- **Phase 4 Major Projects start final design** from Dec. 31, 2019 to Dec. 31, 2023
- **Phase 6 Sewer Separation commence bidding** from June 30, 2020 to Dec. 31, 2021
- **LTCP Update for NDEE** from Oct. 1, 2019 to March 31, 2021

In March 2021, the 2021 LTCP Update was submitted, which included a revised list of projects with new schedule milestones. A project delivery schedule was included which reflected the 10-year extension for completion of the CSO Program as part of the LTCP Update. Milestones are included in the 2021 LTCP Update and will be included in the CSO Permit. The City is awaiting NDEE approval of the LTCP Update.



Goal 2: Economic Affordability

The CSO Program actively seeks opportunities to minimize impacts to ratepayers.



City Offsets SCRTB Construction Costs, Secures Additional Zero Percent Funding

The City of Omaha is finalizing a State Revolving Fund (SRF) loan from the Nebraska Department of Environment and Energy (NDEE) for the CSO Program's Saddle Creek Retention Treatment Basin (SCRTB) Project. The NDEE SRF loan program provides low interest loans for construction of wastewater treatment facilities. This loan will provide the City approximately \$31 million in 0% interest, 0% administrative fee funds, to be used for SCRTB construction costs.

The SCRTB project is already utilizing a low interest loan from the federal Water Infrastructure Finance and Innovation Act (WIFIA) loan program. The SCRTB WIFIA loan provided about half of the project's construction costs. One of the many advantages of the WIFIA loan program is that a municipality can bundle other grants and loans along with a WIFIA loan.

The City continues to look for ways to lower the CSO Program costs and the impact to City ratepayers.

Goal 3: Community Acceptance

The CSO Program supports ongoing dialogue with the public through timely project updates. Close coordination with impacted neighborhoods, businesses and small business contractors is also provided to highlight Program benefits and opportunities.



Fish Restocking at CSO Green Infrastructure Projects

On June 17, Nebraska Game and Parks restocked Fontenelle Lagoon and Hanscom Park pond for catch and release fishing. Kids and families explored the improved parks and watched the stocking of 300 hybrid bluegill and green sunfish at each location. Camp Hanscom coincided with the event, creating a youth outreach opportunity. Approximately 40 elementary and middle school campers observed the Hanscom Park restocking. Daryl Bauer, Nebraska Game and Parks fisheries outreach program manager was on site at the Fontenelle location and was able to answer questions and share information with observers. As part of the CSO Program, both bodies of water were dredged and deepened to decrease the volume and flow rate of stormwater entering Omaha's combined sewer system. In addition to helping meet Program goals, green infrastructure projects revitalize parks that serve as a community amenity featuring wildlife and outdoor recreation.



Ratepayer Assistance

When the Long Term Control Plan was approved, a ratepayer assistance plan was developed to help low income and fixed income households with the sewer rate increases necessary to fund the Program.

Ratepayers are eligible if they receive Low Income Heat and Energy Assistance Program (LIHEAP) from their utility. This has kept administrative costs to a minimum and provided the maximum benefit to those who need it. Additional assistance was provided through the 2020 CARES Act.

For information about the sewer use fee assistance program call **402-444-3908**. To apply for Nebraska LIHEAP, which qualifies you for sewer use fee assistance, call **402-595-1258**.



From January through June 2021, over **\$643,000**

has been provided in assistance for a total of **\$14,989,000**

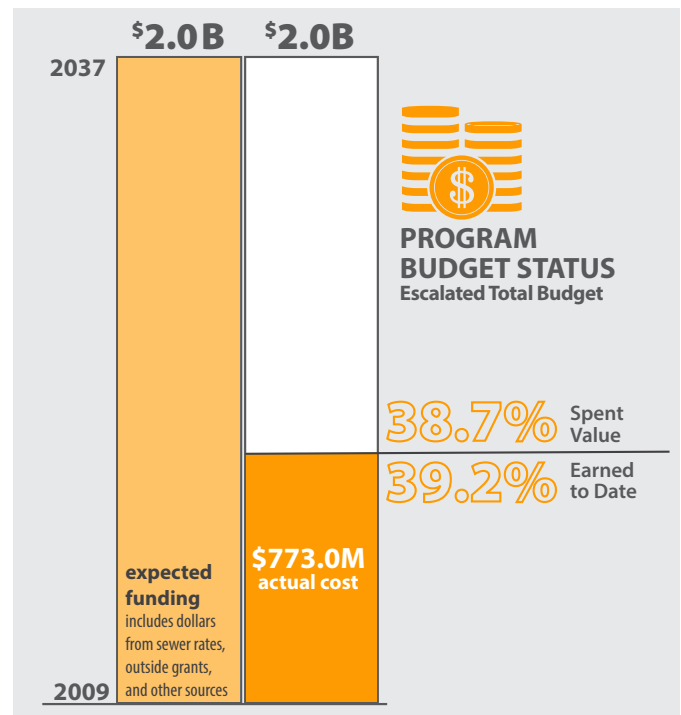
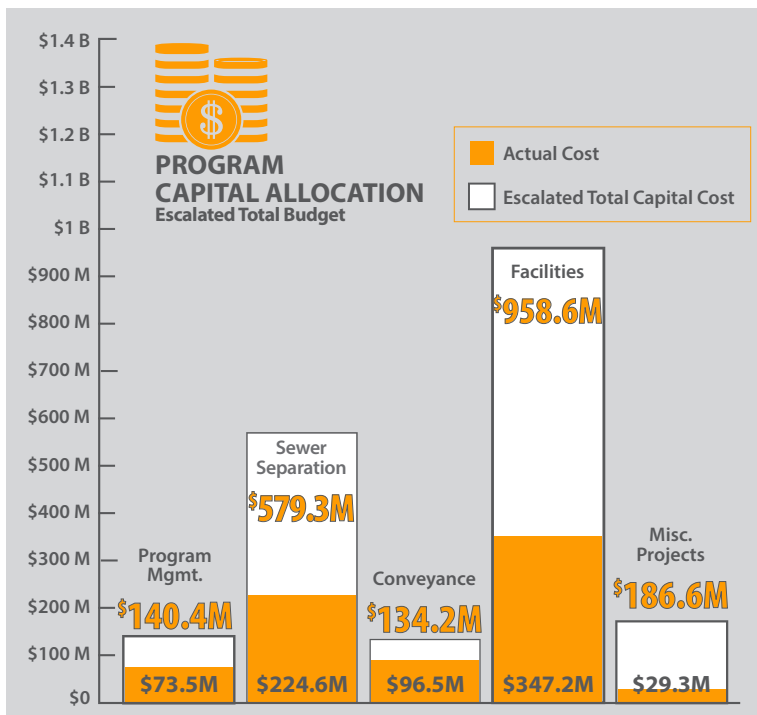
from inception (May 2011) through June 2021.



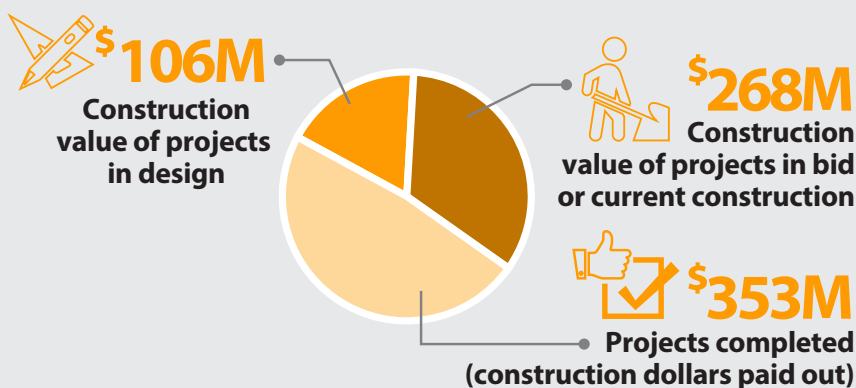


Budget Details

The City and Program Management Team have developed an initial project delivery schedule that reflects the ten year time extension negotiated with the Nebraska Department of Environment and Energy (NDEE). The Long Term Control Plan schedule, including regulatory milestones, will be modified when the updated project list and schedule that were submitted in spring 2021 are approved by NDEE. The total Program budget for the potential project delivery schedule is now at \$2.0 Billion in escalated dollars, which takes into account the estimated effect of inflation for dollars spent between now and Program completion in 2037. The values below reflect the updated total Program budget as well as the expected funding from the latest Rate Ordinance.



Estimated CSO Program Construction Costs



Approximately **\$488M** has been paid out for construction activities through June 2021.

COMPANIES ENGAGED

During the past five years,* small and emerging small businesses (SEBs) received just over **\$9M** in construction contracts and subcontracts, representing over **nine percent** of the total construction work contracted through the City's CSO Program over the same period of time.

In addition, approximately **\$21M** in construction subcontracts went to minority and/or women owned businesses as a part of the Federal Disadvantaged Business Enterprise (DBE) program for projects that received federal funding during that same period of time.

*2016–2020



FIGURE 1

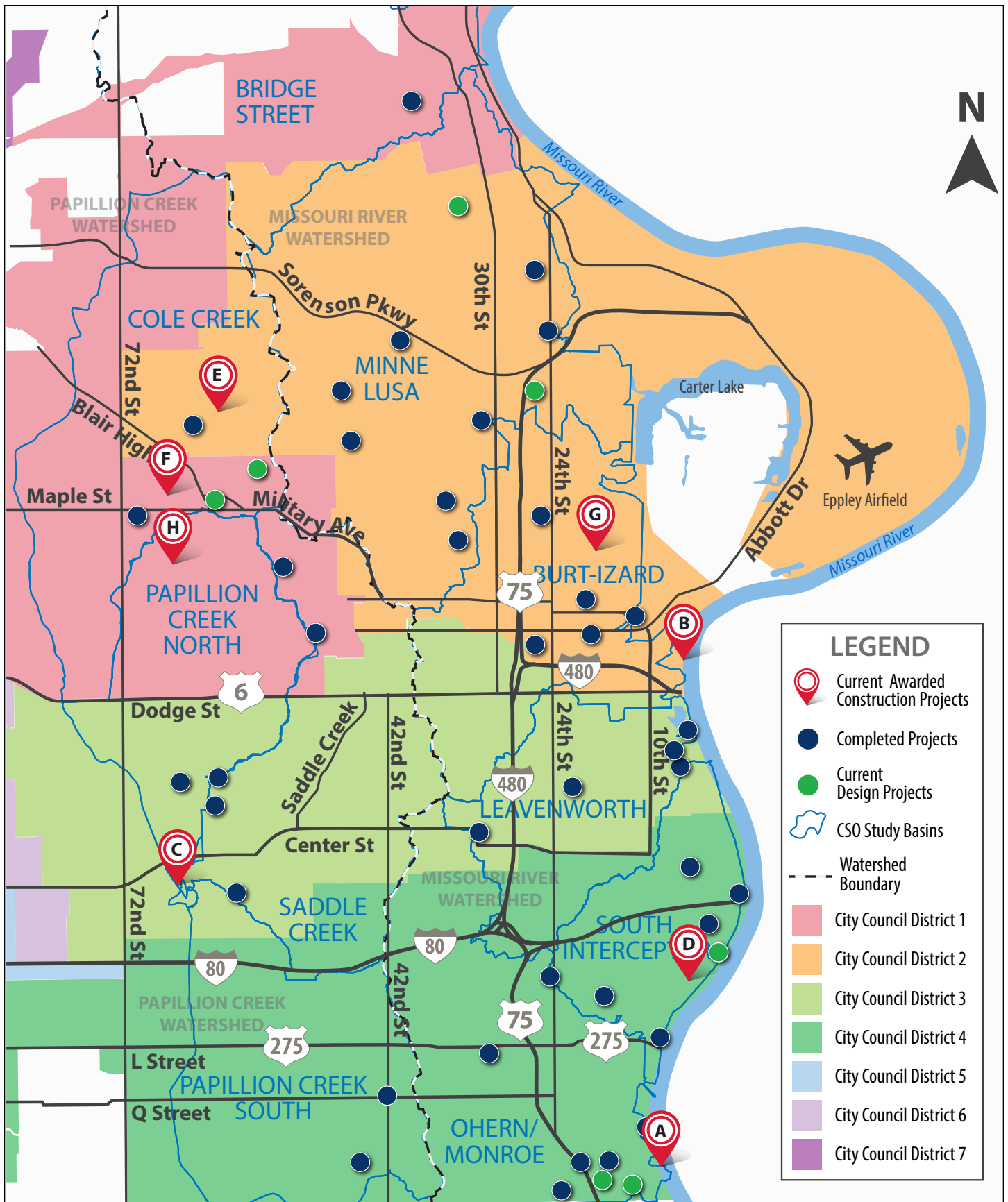


Figure 1 and the corresponding table to the right identify current and completed construction projects.

CURRENT
CONSTRUCTION

	KEY	CONSTRUCTION CONTRACTS	CONSTRUCTION MANAGER'S CURRENT ESTIMATE AT COMPLETION REFLECTS CSO FUNDING	
	A	MRWRRF – Transfer Lift Station Pump Replacement (OPW 53408)	\$5,583,000 68% Complete	Three of the five wastewater pumps have been installed.
	B	Burt-Izard Lift Station Improvements (OPW 52472)	\$14,800,000 95% Complete	Start-up activities began Q2 2021 and will extend into Q3 2021.
	C	Saddle Creek Retention Treatment Basin (OPW 52049)	\$94,000,000 61% Complete	Basin construction continues.
	D	Riverview Lift Station Replacement (OPW 52402)	\$25,846,000 52% Complete	Construction continues on the lift station and grit pit.
	E	Cole Creek CSO 204 Area – Phase 3 Sewer Separation (Taylor to Ruggles Between 56th & 61st Street) (OPW 53206)	\$4,729,000 35% Complete	Construction began Q1 2021.
	F	Cole Creek CSO 203 Sewer Separation Project (OPW 53059)	\$7,092,000 0% Complete	Construction began in late Q2 2021.
	G	Nicholas Street Sewer Extension – Phase 3B (OPW 53753)	\$21,806,000 0% Complete	Construction expected to begin Q3 2021.
	H	Papillion Creek North (PCN) 210 Sewer Separation (OPW 53320)	\$6,962,000 0% Complete	Construction contract awarded to Roloff Construction; construction began in late Q2 2021.



PROJECT OVERVIEW

ACTIVE DESIGN PROJECT STATUS

Active projects are defined as projects that are currently in request for proposal phase, study or design (preliminary or final), or planned for construction (advertised for bid but not yet under construction). Projects will continue to be divided into multiple design/construction contracts as appropriate to efficiently complete work. Active projects and their corresponding status are listed in the following table. More information about each of the projects can be found on the Program website (www.OmahaCSO.com).

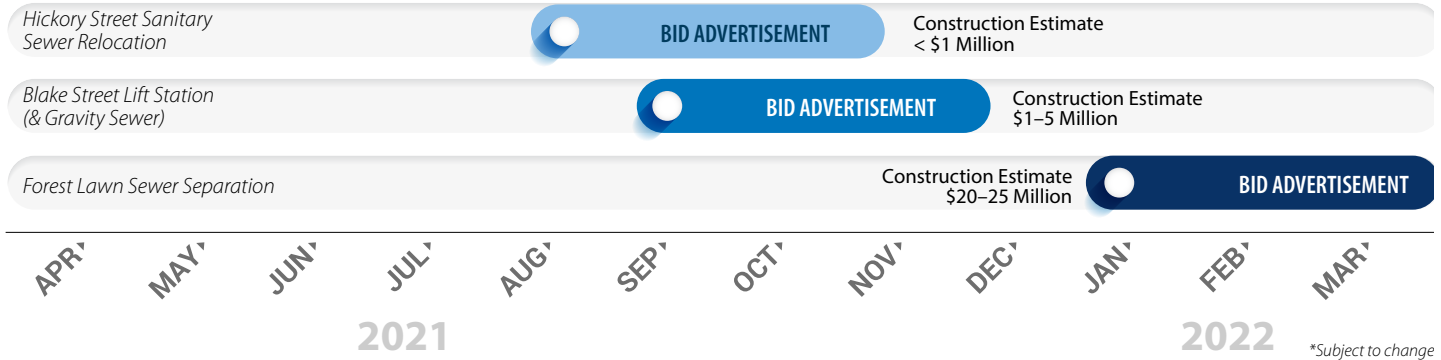
ACTIVE DESIGN PROJECT STATUS OVERVIEW								
Omaha Public Works Project Number (OPW)	City Council District	Project Name	Opinion of Probable Construction Cost ¹	Issued request for proposal or Consultant Selection	Study and Preliminary Design	Final Design	Advertised for Bid or Awarded Contract	Comments
52470	2	Forest Lawn Creek Inflow Removal and Outfall Storm Sewer	\$20–25 million (October 2019)			✓		Design of the modified project underway.
52814	1	Cole Creek CSO 204 Phase 2 Sewer Separation	\$15–20 million (November 2020)			✓		Proposed to be eliminated by the 2021 LTCP update and replaced with different project approaches.
53270	4	Blake Street Lift Station Improvements Project ²	\$1–5 million (June 2020)			✓		Construction bid advertisement anticipated in Q4 2021.
53082	4	Monroe Street Lift Station Improvements Project	\$20–25 million (January 2020)				✓	Construction bid opening occurred in Q2 2021.
53869	1	CSO 202 Phase 2 – 70th Avenue and Spencer Street	\$8–10 million (August 2020)			✓		Final design underway, with construction in 2024.
53899	4	Hickory Street Sanitary Sewer Relocation	<\$1 million			✓		Bid advertisement expected in Q3 2021.
53149	4	CSO 119 South Barrel Conversion & Sewer Separation	\$8–10 million (July 2020)		✓			Preliminary design underway.
53820	1	CSO 204 Phase 4a – 57th Street and Pratt Street; CSO 204 Phase 4b – 56th Street and Bedford Avenue	\$35–40 million (December 2019)		✓			Project field work is underway.
51685	3	CSO 212 – 64th Avenue and William Street	\$5–10 million (August 2020)		✓			Preliminary design is underway.

1—Current Opinion of Probable Construction Cost and corresponding estimate date are shown.

2—Blake Street Lift Station was previously part of the Riverview Lift Station, but is being constructed as a separate construction package.



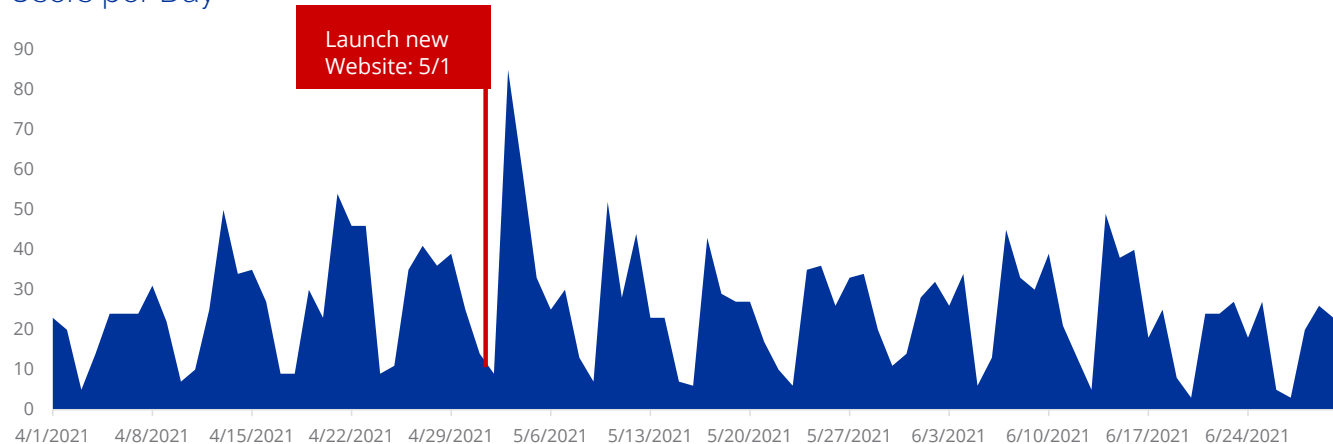
UPCOMING BID OPPORTUNITIES*



WEBSITE SUMMARY

Use of the Omaha CSO Program's public website is tracked and Q2 2021 summary information is provided below. This continues to show active public use of the website. The website is located here: www.OmahaCSO.com

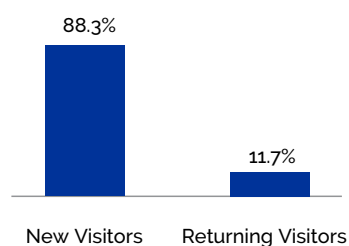
Users per Day



Totals

New (first-time) Users	1,756
Web Page Views	7,860
Sessions*	2,594
Avg Visit Duration	3:23
Avg Pages/Visit	2.95

Visitors by Type



Sessions by Device



Some Sessions do not have a set device.

**Sessions include all visits to the website by new and returning users.*

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PROGRAM MANAGEMENT OVERVIEW AND ACTIVITIES

The responsibility of the Program Management Team (PMT) is to evaluate Program regulatory milestone progress and guide multiple projects toward compliance by providing a consistent framework for design and construction. PMT success is gauged by achieving Program goals and regulatory milestones at the lowest cost to ratepayers. PMT responsibilities include:

- Maintain and update tools and process development for Program and project delivery.
- Obtain and maintain regulatory and environmental compliance.
- Maintain and update public participation, including a public website (www.OmahaCSO.com).
- Facilitate stakeholder education and outreach.
- Identify construction enhancement opportunities that provide added community benefits.
- Promote green infrastructure and sustainability goals.
- Adapt the Long Term Control Plan (LTCP) to changing conditions.
- Seek opportunities to reduce costs.
- Schedule oversight and tracking.

Recurring Program Quarterly Activities

- Meet with Nebraska Department of Environment and Energy and Environmental Protection Agency Region VII to discuss LTCP implementation status and project details.
- Provide outreach to OPPD, M.U.D. and other utility companies to discuss the Program and project coordination and minimize costs and disruptions to ratepayers.
- Work closely with City of Omaha Right-of-Way and General Services Departments to coordinate property and easement acquisitions, bid advertisement, contracting processes and schedules.
- Inform key stakeholders, including United States Army Corps of Engineers, Nebraska Department of Transportation, UPRR, BNSF Railway and Nebraska Department of Natural Resources, regarding upcoming projects.
- Coordinate, oversee and monitor project progress to confirm projects are completed within scope, schedule and budget as much as possible.
- Proactively identify issues that could impact the on-time delivery of phased regulatory milestones.

- Perform inspections of construction sites to confirm compliance with all permits and approvals.
- Assist construction managers with understanding environmental requirements to confirm compliance.
- Review and coordinate permits.
- Develop and refine plans, protocols, procedures, standards, guidance documents and workflows.
- Track and coordinate schedule of metro area projects with Nebraska Department of Transportation, M.U.D., City of Omaha, Council Bluffs Interstate System Improvement Program, University of Nebraska Medical Center, Omaha Public Schools, University of Nebraska Omaha and the Omaha Airport Authority.
- Monitor construction costs and trends in the Omaha construction market.



LONG TERM CONTROL PLAN PROJECTS SCHEDULE

The Long Term Control Plan (LTCP) project schedules shown below are consistent with the 2014 LTCP Update, CSO Permit (including permit modifications), and other formal communications to Nebraska Department of Environment and Energy (NDEE). An update to the LTCP was submitted to NDEE in March 2021 for their review and approval. This LTCP update included a revised list of projects with new milestones.

Schedules of Long Term Control Plan Projects*																	
Missouri River Watershed Projects	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
MINNE LUSA (ML) BASIN																	
ML 105-15 Forest Lawn Separation																	
BURT-IZARD (BI) BASIN																	
BI Basin 108-3; Nicholas St Phase 3 Sewer Separation																	
BI Basin 108-3; Webster/Nicholas Phase 2 Sewer Separation																	
BI Basin 108-3; 18th & Seward Sewer Separation																	
OHERN-MONROE (OM) BASIN																	
OM 119-5A; South Barrel Conversion																	
OM 119-5B; South Barrel Conversion																	
CSO 119 Monroe Basin Storage Facility																	
CSO 118 Ohern Basin Storage Facility																	
SOUTH INTERCEPTOR (SI) BASIN																	
SI Basin CSO 117; Missouri Avenue Phase 2 Sewer Separation																	
SI Basin CSO 110; Pierce Street Sewer Separation																	
SI Basin CSO 111; Hickory Street Sewer Separation																	
DEEP TUNNEL SYSTEM (DTS)																	
CSO Deep Tunnel Lift Station & Force Main																	
CSO Deep Tunnel and Drop Shafts																	
CSO Deep Tunnel Conveyance to Drop Shafts																	
CTS Grit Basin Facilities																	
MRWRRF Retention Treatment Basin																	
Leavenworth Jones Street to Leavenworth Diversion																	
Papillion Creek Watershed Projects	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
COLE CREEK (CC) BASIN																	
CC CSO 204 Phase 3 Sewer Separation																	
CC CSO 204 Phase 4 Sewer Separation																	
CC CSO 204 Phase 2 Sewer Separation																	
CC CSO 204 Phase 5 – Inflow Reduction																	
CC CSO Cole Creek Diversions (204)																	
CC CSO 204 Storage																	
CC CSO 203-1 Sewer Separation																	
CC CSO 202 Phase 2 Sewer Separation																	
PAPILLION CREEK NORTH (PCN) BASIN																	
PCN 210-1; Sewer Separation																	
PCN 210-2; Inflow Reduction Project																	
PCN 211-2; Inflow Reduction Project																	
PCN 212-1; Sewer Separation																	
SADDLE CREEK BASIN																	
Saddle Creek Retention Treatment Basin																	

*For the tunnel, storage tanks and RTB, the start date is the start of final design. For all others, the start is bid advertisement.



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