

# Capital Improvement Plan Projects

City Council approved the fiscal year 2022 Capital Improvement Plan (CIP) projects as part of the City's annual budget adoption on September 20, 2021. The fiscal year 2022 capital improvement projects have been designed to meet today's infrastructure needs as well as those of the future. This quarterly report contains updates for the timeframe of April 2022 to June 2022. While the CIP included in the fiscal year 2022 budget includes Vehicle, Equipment, and Technology Fund appropriations, this report focusses on traditional, non-recurring capital projects appropriated in the Capital Improvement Fund, Capital Bond Fund, Capital Grant Fund, and METRO Fund. Information pertaining to the Vehicle, Equipment, and Technology Fund is not included in this report. Project numbers are included to aid in cross-referencing to the fiscal year 2022 budget; however, projects initiated prior to fiscal year 2021 do not have project numbers.

## **Bonds for Better Bellaire 2016 Program (BBB16)**

### **DR2202 – Regional Drainage Program**

<b>Service</b>	<b>Companies Performing Work</b>
Design Engineering and Construction Administration	TBD
Construction Contractor	TBD

This project is to develop and implement improvements that will improve drainage and mitigate flood risk throughout Bellaire. Of the current budget, \$6M from 2016 Bonds for Better Bellaire is to allow Bellaire to partner with Harris County Flood Control District (HCFCD), City of Houston (CoH), and the Texas Department of Transportation (TxDOT) on a significant drainage/ flood mitigation project, such as improving Cypress Ditch or reconstructing a major City Street to hold stormwater. Any significant drainage improvement will be done in partnership with HCFCD, CoH, and/or TxDOT because Bellaire does not own the major drainage elements that convey stormwater from Bellaire to Brays Bayou. Funding commitments from HCFCD, CoH, and TxDOT for a drainage project benefiting Bellaire have not materialized during the past several years of negotiations, so Bellaire may have to bear more project cost than previously anticipated. The proposed FY 2023 capital budget would allocate an additional \$3M from American Rescue Plan Act toward the Regional Drainage Program. Another \$6M in unissued Bond funding is available, bringing total Regional Drainage funding to just over \$15M.

As the City waits for commitments from HCFCD, CoH, and TxDOT, staff continues to plan for regional flood mitigation improvements, which will be informed by the Master Drainage Concept Plan (MDCP, also referred to as the North-South Drainage Study) and the recent Council workshops on drainage. This could include engineering and design of improvements to the interior storm sewer systems, main trunk systems, detention ponds, and sheet flow barriers to increase capacity for local and regional storm sewer systems. It could also include the City's share for designing improvements to North/South drainage systems and Cypress Ditch. An engineering firm will be retained to help the City develop initiatives, improve regional flood mitigation, and

to liaise with potential project partners. A contract for this engineering firm is anticipated to be presented to Council before the end of FY 2022.

### Streets and Drainage Group C Phase 2

Service	Companies Performing Work
Design Engineering and Construction Administration	Costello
Third Party Review and Construction Management	ARKK Engineers
Construction Contractor	A-Status

This project includes the reconstruction of portions of N. Fifth and Spruce Streets, as well as portions of Maple Street and Bolivar Street. The contractor has completed all outstanding work on Maple and Bolivar Streets and a final walkthrough and closeout is being schedule. Spruce Street and Fifth Street are substantially complete, but for some lighting and irrigation work that is ongoing. Staff anticipates a final walkthrough and closeout for Spruce Street and Fifth Street before the end of FY 2022.

### ST2202 and ST2203 - Streets and Drainage Group C Phase 3

Service	Companies Performing Work
Design Engineering and Construction Administration	Kelly R. Kaluza & Associates
Third Party Review and Construction Management	ARKK Engineers
Environmental Clearance Documentation Preparation & Submission	Weston Solutions
Construction Contractor	DVL and TB Concrete

This project includes the reconstruction of portions of Cynthia Street, Cedar Street, Chelsea Street, Larch Lane, and Mimosa Drive. The project scope includes street replacement, storm sewer upgrade, and repairs to existing sidewalk. All drainage for this project is designed to a 100-year storm event. The design for the streets is 100% complete. Since this project received grant funding through the Community Development Block Grant 2015 program (CDBG-DR 2015) and Community Development Block Grant 2017 Program (CDBG-DR 2017), environmental clearance for this project is required. Weston Solutions prepared and submitted the necessary environmental clearance documentation and all project streets were cleared. Coordination with the Texas General Land Office (GLO) and Harris County have been ongoing. This project was split and bid as two (2) projects due to the two (2) grants being designated for specific streets. The following blocks are included in the project:

#### CDBG-DR 2015 (Cynthia Street)

- 4300 block of Cynthia Street

#### CDBG-DR2017 (Four Street)

- 4500 block of Larch Lane
- 4600 block of Cedar Street
- 500 block of Chelsea Street

- 4600 block of Mimosa Drive

DVL Enterprises, LLC is the construction contractor for the Cynthia Street project, which is substantially completed. Staff is in the process of closing the project and completing the grant reporting requirements.

The Four Street project construction was awarded to TB Concrete Construction, Inc. on February 21, 2022. Work began on Mimosa Street May 9, 2022 and is anticipated to be completed in September 2022; work on Chelsea Street would begin at that time. Public Works staff will continue to work with the Community Relations Administrator on outreach to the residents impacted by the project.

### TR2202 - Traffic Signalization and Mobility Improvements

Service	Companies Performing Work
Design Engineering and Construction Administration	TBD
Third Party Review and Construction Management	TBD
Construction Contractor	TBD

This project is awaiting final funding approval with the Federal Highway Administration (FHWA). The City was awarded this Houston-Galveston Area Council (H-GAC) sponsored grant in 2018. The purpose of the grant funding is to upgrade the technology of the fourteen (14) traffic signals within the city limits. The project has not been able to progress due to a delay in the grant being awarded, as discussed below in the Grants section.

### Water and Wastewater Group A Phase 2

Service	Companies Performing Work
Design Engineering and Construction Administration	ARKK Engineers
Third Party Review and Construction Management	KIT Professionals
Construction Contractor	A-Status

City staff and the City Attorney worked with the contractor and their bonding company to develop an agreement to finalize the projects and complete the remaining work items. Those items have now been completed and the project will be closed out.

### WA2202 - Fire Hydrant Rehabilitation and Replacement & WA2203 - Water Distribution System Valve Improvements

Service	Companies Performing Work
Design Engineering and Construction Administration	TBD
Third Party Review and Construction Management	TBD
Construction Contractor	TBD

The intent of this project is to upgrade, through replacement, poor or non-performing hydrants and valves throughout the community. This will require a specialist contractor to test and identify

issues throughout the entire hydrant and valve system. Staff was developing an interlocal agreement with the City of Garland to procure this service through a cooperative purchasing agreement. However, this interlocal agreement did not progress and staff is now drafting a Request for Proposals, anticipated to be advertised in the last quarter of FY 2022.

**WA2204 - Update to 2015 Infrastructure Study**

<b>Service</b>	<b>Companies Performing Work</b>
Design Engineering and Construction Administration	TBD
Third Party Review and Construction Management	TBD
Construction Contractor	TBD

The intent of this project is to update a study conducted by ARKK Engineers in 2015. The 2015 Study recommended replacement of aging cast iron waterlines throughout the community as well as the replacement of the remaining older and failing wastewater infrastructure. The purpose of the update is to re-assess the system to determine what the next rounds of water and wastewater line replacement and upgrade should be. A key component of this will be to look at past practices relative to industry best practices to determine if other techniques like ‘pipe bursting’ or ‘cured in place piping’ are a good fit here in the City. Staff is developing an updated scope of work to use in procuring the most qualified firm to update the 2015 Study. Staff anticipates receiving bids from prospective firms over the summer. This project has not seen significant progress in the past quarter.

**WA2205 - Priority Water Line Improvements**

<b>Service</b>	<b>Companies Performing Work</b>
Design Engineering and Construction Administration	TBD
Third Party Review and Construction Management	TBD
Construction Contractor	TBD

This project identified about 40 blocks of water lines that were designed through the BBB16 program but did not have sufficient funding. Staff filed grant applications in an attempt to secure federal funding for a significant portion of this project, with local match funding to come from the BBB16 bond funding. Bellaire received a federal appropriation of \$782,000 through the Environmental Protection Agency (EPA) and the award letter to accept the grant will be presented to Council as soon as it is received from the EPA. Another \$2.4M grant through the EPA is pending. Staff anticipates bidding out a portion of this project in the first quarter of FY 2023 but will not be able to fully fund the project until additional funding is secured.

**WA2206 - Water and Wastewater Group A Phase 3**

<b>Service</b>	<b>Companies Performing Work</b>
Design Engineering and Construction Administration	ARKK Engineers
Construction Contractor	McKinney Construction

The scope of this project includes replacing 30 blocks of water and wastewater line infrastructure

that has reached the end of its 30 to 50-year useful service life along the following roadways:

- West Loop South (Fournace Place to Mayfair Street), (Maple Street to Mimosa Street), and (Bellaire Boulevard to Jessamine Street)
- First Street (Bissonnet Street to Elm Street)
- Locust Street (4600)
- South Rice Avenue (Locust Street to Bellaire Boulevard)
- Cedar Street (First Street to IH 610)
- Bellaire Blvd. (Chimney Rock Road to Ferris Street)
- Pembroke Court
- Evergreen Street (IH 610 to Newcastle Drive)
- Valerie Street (Alder Drive to S. Rice Avenue)
- Holt Street (IH 610 to Newcastle Drive)
- Linden Alleyway
- Baldwin Avenue (Edith Street to Lafayette Street)
- Maple Street (IH 610 to Avenue B)
- Mimosa Drive (IH 610 to Avenue B)
- Patrick Henry Street (Chimney Rock Road to Mapleridge Street)

The majority of the work for this project entails the replacement of cast iron waterlines that are 50 years in age or more. Most water line breaks and ruptures in the City are associated with older cast iron waterline infrastructure; the older the cast iron lines get, the more brittle they become and likely to burst and interrupt service. Replacing this aged water and wastewater line infrastructure will improve system reliability for the residents of Bellaire and reduce operational costs associated with the remediation of emergency line breaks commonly associated with the cast iron lines.

Trenchless construction techniques will be used to minimize the intrusiveness of the project and an urban forester will be retained to consult during the design and construction. A neighborhood meeting was held on October 30, 2019, and a second meeting was held on December 11, 2019, at the Civic Center. The Water and Wastewater Group A Phase 3 construction was awarded to McKinney Construction, Inc. on March 21, 2022. Work began on July 5, 2022 and is ongoing.

### WW2202 - Wastewater Collection System Improvements

Service	Companies Performing Work
Design Engineering and Construction Administration	TBD
Third Party Review and Construction Management	TBD
Construction Contractor	TBD

This project is for the rehabilitation of a variety of items associated with the wastewater collection and wastewater treatment systems. It is likely that the program will include manhole

rehabilitation as well as a handful of items at the wastewater treatment plant like the bar screen filters and the roof of the bar screen facility. This project has not made significant progress due to turnover on the Wastewater Treatment team and staff focusing on renewing certifications and permits with the Texas Commission on Environmental Quality (TCEQ). Staff is preparing a scope of work in order to bid this project work out in FY 2023.

### **WW2203 - Wastewater Treatment Plant Fine Screen Replacement**

This project replaces both fine screen systems at the City's wastewater treatment plant (WWTP). The WWTP uses a fine screen system to remove particulate matter from wastewater as part of the treatment process. On April 18, 2022 Council approved \$95,000 to replace one of the irreparably damaged primary fine screen systems. ANDRITZ Separation Inc. is the sole source provider for this type of filter for the Bellaire WWTP; an order has been placed and a new fine screen is being constructed and shipped to Bellaire. Unfortunately, less than a month after the first fine screen broke, the second remaining fine screen was also irreparably damaged. Staff currently has temporary mitigation measures in place, but it is critical that these fine screen replacements be done as quickly as possible as the temporary stop-gap measure is unsustainable. Funding for the second fine screen replacement is included in the proposed FY 2023 capital budget.

### **Cash Funded Projects**

#### **PA 2201 - Park Amenities Management Program - Bellaire Family Aquatics Center**

City Council allocated \$150,000 in the fiscal year 2022 budget for improvements to the Bellaire Family Aquatic Center. The project will include developing a storage area, additional decking, a large shade umbrella, and the expansion of green space for patrons to enjoy. The project is being managed internally by staff and the estimated cost is \$120,600. Due to supply chain issues, the project has not progressed as quickly as planned and has been paused to avoid disruptions to pool users during the summer. The green space and storage area have been completed and the other project elements are anticipated to be completed in the first quarter of FY 2023.

#### **PA 2102 - Mulberry Park Public Restrooms**

City Council allocated \$150,000 in the fiscal year 2022 budget to install public restrooms in Mulberry Park. The project will include two (2) single toilet restrooms, landscaping, an accessible walkway, plumbing, and electrical. The project is being managed internally by staff and the estimated cost is \$148,700. Staff is waiting on delivery of the prefabricated restrooms. A purchase order was issued on December 21, 2021, and the bathroom order was placed in early January. There have been delays in receiving the bathroom facility, but the project is still anticipated to be completed in FY 2022 and within budget.

#### **PA 2203 – Recreation Center LED Lighting**

This project is a \$37,500 retrofit of the lighting in the Recreation Center to more energy efficient LED light fixtures. 80% of the project (\$30,000) is reimbursable to the City by the State Energy Conservation Office (SECO). The project is complete and staff is working with SECO to close out the project. See Grant section below for more information about the grant.

### North-South Drainage Study - Master Drainage Conceptual Plan (MDCP)

The fiscal year 2020 budget included appropriations of \$702,000 for the completion of a MDCP (referred to at the time as a North-South Drainage Study). The MDCP is regional drainage study for the City and surrounding areas which is being conducted with partners HCFCD and TxDOT. The total cost of the MDCP is \$702,000, and upon completion HCFCD will reimburse the City for \$351,000 of the cost (50%), and TxDOT will reimburse the City for \$129,250 of the cost (18%), resulting in a net cost to the City of \$221,750 (32%) for its contribution.

The consultant team consists of ARKK Engineers, LLC, Costello, Inc., and Freese & Nichols, Inc. The professional services contract with the consultant team was awarded at the November 18, 2019, City Council meeting. The first draft of the MDCP was completed and copies sent to Bellaire, HCFCD, TxDOT, and the City of Houston for review in early August 2021. Findings of the reports were presented to the Flood Hazard Mitigation Task Force on September 28, 2021, and to City Council on October 4, 2021. The engineering components of the MDCP have been presented to TxDOT, the City of Houston, and HCFCD. Bellaire is still waiting on final comments from these entities so that they can be incorporated into the final document and work can begin on the project development phases. This effort entails breaking down the drainage system improvements into manageable sizes and identifying funding for design and construction.

### City-Wide Supervisory Control and Data Acquisition (SCADA) Systems Upgrade Project Phase 2 and 3

Service	Companies Performing Work
Software Design	GAI Gupta & Associates, Inc.
Software Implementation	TBD

Once all phases of SCADA are complete, Public Works staff will be able operate all water and wastewater facilities remotely from the wastewater treatment plant through the SCADA software system. Without a SCADA system, staff would have to make manual changes at the various water and wastewater locations city-wide. SCADA Phase 1 set up communications from the wastewater treatment plant to all water plant wells; SCADA Phase 2 set up communications from the wastewater treatment plant to the lift stations; and SCADA Phase 3 will bring the wastewater treatment plant (WWTP) on the SCADA system.

In May 2022, GAI Gupta & Associates, Inc. was retained to do a condition assessment of the WWTP and to provide existing and proposed SCADA network architecture drawings. These drawings will then be used as specifications to bid out the implementation of SCADA throughout the WWTP and to tie the entire SCADA system together. A preliminary draft of the SCADA network architecture drawings was presented to staff in July 2022 and is being refined after comments from staff. It is anticipated that the drawings will be completed before the end of FY 2022 and the SCADA implementation bid would be advertised in early FY 2023.

### Renwick Well Improvement Project

Service	Companies Performing Work
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Design Engineering and Construction Administration	H2OMC, LLC
Construction Contractor	Tidal Construction Inc.

This project was to replace pumps and motors were past their useful life expectancy. H2OMC, LLC is providing project management while Tidal Construction Inc. completed the actual project. The project is complete and Council approved payment of the final invoice to Tidal Construction on July 11, 2022.

### WA2102 - Central Well Pumps

Service	Companies Performing Work
Design Engineering and Construction Administration	H2OMC, LLC
Construction Contractor	Tidal Construction Inc.

The project will replace all three (3) booster pumps and motors which are past their life expectancy. This project was approved by City Council on January 4, 2021, and a contract was awarded to Tidal Construction Inc. The project is complete and Council approved payment of the final invoice to Tidal Construction on July 11, 2022.

### WA2207 – Feld Park Well Generator

Service	Companies Performing Work
Design Engineering and Construction Administration	Ardurra Group, Inc.
Construction Contractor	TBD

This project is to install a 500kW generator and automatic transfer switch for Feld Park Water Production Facility (Well) located at 6406 Avenue B. This will allow for a backup source of power, which will power each motor attached to the pumps to run continuously and will minimize water service disruptions to customers during power failures. This project is partially grant funded, with up to \$180,218 being reimbursed by the Texas Division of Emergency Management (TDEM) via the Federal Hazard Mitigation Grant Program. Bellaire accepted the grant on April 5, 2021. On March 7, 2022, Council hired Ardurra Group for up to \$76,174 to provide engineering services for the project. Ardurra is developing the design and will provide all necessary specifications to bid the installation before FY 2023. The project should be completed before the end of FY 2023.

### City of Bellaire Grant Application Update

The City receives grant funds from federal and state agency programs for capital improvements. The Development Services and Public Works Departments manage, monitor, and are working to establish a grants management processes by working with City departments to ensure the City is utilizing available funding and meeting compliance and reporting requirements.

**Active Awards:** The City currently has four (4) awards administered through two (2) different



federal agencies and one (1) state agency. Table 1 below summarizes the projects that have been awarded grant funding.

**Table 1: City of Bellaire Grant Awards**

#	Project	Grant	Local	Total	Grant Program	Agency Federal \ State \ Local
1	ST2202 - 4500 Cynthia Street	\$252,033	\$378,250	\$630,283	CDBG-DR (2015)	HUD\GLO
2	ST2203 - 500 Chelsea Street, 4500 Mimosa Street, 4600 Cedar Street, 4500 Larch Lane	\$4,095,702	\$632,848	\$4,728,550	CDBG-DR (2017)	HUD\GLO\Harris County
3	WA2207 - Feld Park Emergency Generator	\$180,218	\$60,073	\$240,291	Hurricane Harvey	FEMA\TDEM
4	PA2203 - Recreation Center LED Lighting Retrofit	\$30,000	\$7,500	\$37,500	LED Lighting Retrofit	Texas Comptroller - SECO
<b>Total</b>		<b>\$4,557,953</b>	<b>\$1,078,671</b>	<b>\$5,636,624</b>		

- **Agency:** U.S. Department of Housing and Urban Development (HUD)
  - **Programs:** Community Development Block Grants - Disaster Recovery (CDBG-DR) (2015 & 2017)
  - **Description:** CDBG-DR grants provide funds for a broad range of recovery activities following major disasters including infrastructure projects to help rebuild damaged areas. These funds are distributed through the Texas General Land Office (GLO) as a part of the State’s “Action Plan.” The City aligned existing street and drainage projects identified in the CIP with this funding source after disaster declarations associated with the 2015 Memorial Day Flood and 2017 Hurricane Harvey.
  - **Projects:** Street and drainage improvements for: 4500 block of Cynthia Street, 500 block of Chelsea Street, 4500 block of Mimosa Street, 4600 block of Cedar Street, 4500 block of Larch Lane
  - **Next Steps:** Construction of new street infrastructure, which is partially under way. Cynthia Street is complete and final reimbursements and grant closeout in progress. Work on Mimosa Street is underway and the first reimbursement for construction work has been sent to Harris County for review.
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- **Agency:** Federal Emergency Management Agency (FEMA)
  - **Program:** Hazard Mitigation Grant Program (HMGP) (DR-4332)
  - **Description:** HMGP grants provide funding to help communities implement hazard mitigation measures following a Presidential Major Disaster Declaration. These funds are distributed through the TDEM. This grant is associated with Disaster 4332 Hurricane Harvey in August 2017.
  - **Project:** Feld Park Emergency Diesel Generator
  - **Next Steps:** Staff will continue with the required reporting activity for the remaining generator project. The City has not yet been invoiced for design work, so no grant reimbursements are pending.

- **Agency:** Texas Comptroller - State Energy Conservation Office (SECO)
- **Program:** Local Government Interior LED Lighting Retrofit Program
- **Description:** On June 30, 2021 the Comptroller issued a Request for Applications for a limited time local and county government interior LED Lighting retrofit program. The program is reimbursement based and Bellaire must provide a 20% match.
- **Project:** Recreation Center LED Lighting Retrofit
- **Next Steps:** The project has been completed. Staff is working with SECO on final reimbursement and grant closeout.

**Pending Applications:** The City currently has six (6) pending applications through four (4) federal programs. Table 2 below summarizes the projects that are currently being considered for grant funding.

**Table 2: City of Bellaire Pending Grant Applications (As of June 30, 2022)**

#	Project <sup>1</sup>	Grant	Local	Total	Grant Program	Agency Federal \ State \ Local
1	TR2202 - Traffic Management System	\$633,266	\$158,317	\$791,583	CMAQ	FHWA\ TXDOT\ HGAC
2	TR2202 - Traffic Signal Timing Optimization Program	\$693,394	\$173,349	\$866,743	CMAQ	FHWA\ TXDOT\ HGAC
3	WA2205 - Waterlines Community Project Funding	\$782,000	\$218,000	\$1,000,000	STAG	EPA
4	PAXXXX - City Hall/EOC Generator	\$479,507	\$159,836	\$639,343	HMGP	FEMA\ TDEM
5	WAXXXX - Renwick Well Generator	\$492,851	\$164,284	\$657,135	HMGP	FEMA\ TDEM
6	PAXXXX - Lift Station Generators	\$267,525	\$29,725	\$297,250	HMGP	FEMA\ TDEM

7	WA2205 - Water and Wastewater Line Replacement	\$2,400,000	\$600,000	\$3,000,000	STAG	EPA
8	PA2304 - Evergreen Accessible and Inclusive Playground <sup>2</sup>	\$600,000	\$0	\$600,000	EDI	HUD
<b>Total</b>		<b>\$5,715,277</b>	<b>\$1,345,194</b>	<b>\$7,060,471</b>		

- 1.) *Projects with an X have not had a budget allocated. A proper project identification number will be assigned with funds are budgeted.*
- 2.) *Patrons of Bellaire Parks has indicated they are prepared to donate up to \$160,000 towards the project.*

- **Agency:** Federal Highway Administration (FHWA)
- **Program:** Congestion Mitigation and Air Quality Improvement (CMAQ) Program
- **Description:** This program is a passthrough grant from FHWA to the Texas Department of Transportation (TXDOT). CMAQ provides funds for surface transportation improvements designed to improve air quality and mitigate congestion. TXDOT partnered with the Houston-Galveston Area Council to select projects for CMAQ funding. Bellaire’s Traffic Management System project was approved for funding as part of the H-GAC 2021-2024 Transportation Improvement Program (TIP) for funding in 2022.
- **Project:** The TR2202 capital project seeks to improve traffic flow throughout Bellaire by upgrading the technology of the fourteen (14) traffic signals within the city limits. This is being done through two grant projects. This would be accomplished by implementing a Traffic Signal Timing Optimization Program (TSTOP) and a Traffic Management System (TMS). Both projects are anticipated to be 80% grant funded by the Houston-Galveston Area Council (HGAC), via Federal Highway Administration funding
  - Traffic Management System (TMS): The TMS project would build a traffic management center at the Police Station, along with installing closed-circuit cameras and loop detector sensors at each traffic signal location to analyze real-time traffic conditions. Dynamic message signs would be deployed in strategic locations to provide warnings and real-time traffic conditions information to drivers. Through these improvements, the TMS would be able to alert drivers about upcoming delays, incident reports, travel times, construction work, safety messages and special events. The TMS grant is scheduled for award in FY 2023 on HGAC’s Transportation Improvement Program and TXDOT staff have sent a draft grant agreement letter awarding the City \$693,394.
  - Traffic Signal Timing Optimization Program (TSTOP): The TSTOP is a ten-year program to analyze traffic patterns at intersections to fine tune traffic signal timing for optimum flow. The TSOP grant status is still pending with no award date indicated.
- **Next Steps:** Staff has had communications with TXDOT staff and reviewed a draft agreement that would award Bellaire \$693,394 for a Traffic Management System. Staff anticipates this agreement will be presented to Council in early FY 2023.
- **Agency:** Federal Emergency Management Agency (FEMA)
- **Program:** Hazard Mitigation Grant Program (HMGP): DR-4485 COVID and DR-4586 Winter Storm
- **Description:** HMGP grants provide funding to help communities implement hazard mitigation measures following a Presidential Major Disaster Declaration. These funds are

distributed through the Texas Department of Emergency Management (TDEM). The City Hall/EOC and Renwick Well generator grants are associated with Disaster 4586 – Texas Severe Winter Storms from February 2021. The Lift Station generators are associated with Disaster 4586 – COVID

- **Projects:**
  - City Hall/EOC Generator: Emergency power supply for City Hall to serve as an emergency operations center.
  - Renwick Well Generator: Emergency power supply to keep the Renwick Well water production facility operational during a power outage.
  - Lift Station Generators: Emergency power supply to keep the City’s three lift stations operational during a power outage.
- **Next Steps:** Staff will continue liaising with TDEM staff on the status of the grant award.
  
- **Agency:** U.S. Environmental Protection Agency (EPA)
- **Program:** State and Tribal Assistance Grant (STAG)
- **Description:** The EPA STAG program funds local wastewater and drinking water infrastructure projects. The program requires a 20% local match. Bellaire was invited to apply for this funding through the Community Project Funding process of the Appropriations Requests as part of the development of the Federal Budget. Rep. Lizzie Fletcher is sponsoring the projects on behalf of Bellaire.
- **Projects:**
  - WA2205 Waterlines Community Project Funding – Rep. Fletcher’s Office has indicated that Bellaire will receive \$782,000 from the FY2022 Appropriations process to go towards the 2016 Bond Project Group A – Phase III Water and Wastewater Lines Replacement project. This funding would supplement 2016 Bond funding for the project.
  - Water and Wastewater Line Replacement - Bellaire is seeking a \$3M investment into our water and wastewater line infrastructure that has reached the end of its 30 to 50-year useful service life. The majority of the work for this project entails the replacement of cast iron waterlines that are fifty (50) years in age or more. Most water line breaks and ruptures in Bellaire are associated with older cast iron waterline infrastructure; the older the cast iron lines get, the more brittle they become and likely to burst and interrupt service. Replacing this aged water and wastewater line infrastructure will improve system reliability for the residents of Bellaire and reduce operational costs associated with the remediation of emergency line breaks commonly associated with the cast iron lines.
- **Next Steps:** Bellaire was earmarked \$782k for waterline replacement as part of the FY 2022 Consolidated Appropriations Act. Staff is awaiting direction from the EPA on next steps to accepting the grant award. Staff will continue to liaise with Rep. Fletcher’s Office on the appropriations process for the \$2.4M appropriation for additional water and wastewater line replacements. On July 20, 2022 the House passed an appropriations bill that included the \$2.4M appropriation.
  
- **Agency:** U.S. Department of Housing and Urban Development (HUD)

- **Program:** Economic Development Initiative (EDI)
- **Description:** The HUD EDI program provides community project funding may be used for economic and community development activities, including land or site acquisition, demolition or rehabilitation of housing or facilities, construction, and capital improvements of public facilities (including water and sewer facilities), and public services. Requests may also include planning and other activities consistent with previously funded activities eligible under the Community Development Block Grant (CDBG) program. Bellaire was invited to apply for this funding through the Community Project Funding process of the FY2023 Appropriations Requests as part of the development of the Federal Budget. Rep. Lizzie Fletcher is sponsoring the projects on behalf of Bellaire.
- **Project:** Evergreen Accessible and Inclusive Playground - The \$600,000 proposal is to build an inclusive, world-class playground that goes beyond ADA requirements. For example, the new play structures would allow kids in wheelchairs to play alongside their peers thanks to wider, ramped play platforms and structures that let wheelchairs roll without incident. It will include sensory play elements that incorporate touch and music, as well as interactive educational features. The inclusive design is not just for the kids as there are plenty of parents and grandparents with disabilities or mobility impairments who could also benefit from inclusive design. The Patrons for Bellaire Parks has written a letter of support for the project and indicated they are willing to donate up to \$160,000 towards the project.
- **Next Steps:** Staff will continue to liaise with Rep. Fletcher’s Office on appropriations process. On July 20, 2022 the House passed an appropriations bill that included the \$600k appropriation.

**Grants Not Awarded**

**Table 3: City of Bellaire Grant Applications Not Awarded**

#	Project	Grant	Local	Total	Grant Program	Agency Federal \ State \ Local
1	Water Infrastructure Conditions Assessment	\$240,000	\$60,000	\$300,000	STAG	EPA
2	HHW Voucher Program	\$17,500	\$5,000	\$22,000	Solid Waste	\ \ HGAC
<b>Total</b>		<b>\$257,500</b>	<b>\$65,000</b>	<b>\$322,000</b>		

- **Agency:** U.S. Environmental Protection Agency (EPA)
- **Program:** State and Tribal Assistance Grant (STAG)
- **Description:** The EPA STAG program funds local wastewater and drinking water infrastructure projects. The program requires a 20% local match. Bellaire was invited to apply for this funding through the Community Project Funding process of the Appropriations Requests as part of the development of the Federal Budget. Rep. Lizzie Fletcher is sponsoring the projects on behalf of Bellaire.
- **Project:** Water Infrastructure Conditions Assessment - This \$300,000 project would provide an assessment of Bellaire’s water and wastewater infrastructure system. The study would provide a roadmap to prioritize capital investment to maximize the useful life of Bellaire’s

waterlines, wells, lift stations, and treatment plant. It would also identify the resiliency of this infrastructure to natural disasters, such as flooding, freezing, or hurricanes. This study is needed so that Bellaire can properly plan for its infrastructure and ensure good stewardship of taxpayer dollars.

- **Agency:** Houston-Galveston Area Council (HGAC)
- **Program:** Solid Waste
- **Description:** HGAC periodically provides grants to local governments in its region for solid waste related activities.
- **Project:** HHW Voucher Program – This program would have purchased 300 vouchers from the City of Houston for Bellaire residents to take household hazardous waste to a City of Houston waste disposal facility. This program has been successful in the past but ended when all vouchers were distributed; no funds were available to purchase additional vouchers.

#### **Grant Opportunities:**

- **Agency:** Texas General Land Office (GLO)
- **Program:** 2019 Infrastructure Competition
- **Description:** The Infrastructure Competition is intended to fund projects that address disaster relief, long-term recovery, and restoration of infrastructure for local communities. Awards are anticipated to range between \$250,000 to \$1 million.
- **Projects:** To be determined
- **Next Steps:** Staff is identifying potential projects for submission. The maximum two (2) project applications will be submitted before the deadline of August 1, 2022.
  
- **Agency:** U.S. Housing and Urban Development (HUD)
- **Program:** Houston-Galveston Area Council (H-GAC) Method of Distribution (MOD) Community Development Block Grants-Mitigation (CDBG-MIT)
- **Description:** H-GAC is developing a MOD to allocate approximately \$209 million of CDBG-MIT funds from HUD to counties and cities in the H-GAC region. These funds can be used for a variety of eligible project types to mitigate against risks posed by flooding, hurricanes, and other natural disasters. A preliminary summary by jurisdiction estimated the City's allocation to be approximately \$1.1 million. The method of distribution and allocation may change depending on coordination with the GLO.
- **Projects:** To be determined
- **Next Steps:**
  - GLO to provide guidance to H-GAC.
  - Upon finalization of method of distribution and allocation, the City will identify potential projects and apply for allocated funds.
  
- **Agency:** Federal Emergency Management Agency (FEMA)
- **Program:** Building Resilient Infrastructure and Communities (BRIC)
- **Description:** BRIC provides funding for hazard mitigation projects to reducing the risks

communities face from disasters and natural hazards.

- **Projects:** Home Elevations – Bellaire will apply for a grant to provide funding for home elevations to residents.
- **Next Steps:** Staff is waiting for the Notice of Funding Opportunity, which is anticipated to be released around September 2022. In the meantime, staff has been gathering information to support an application and may seek a firm to provide professional grant application and management services.