



## **CITY OF LA PORTE DRAINAGE AND FLOODING COMMITTEE MEETING AGENDA**

Notice is hereby given of a meeting of the Drainage and Flooding Committee of the City Council of the City of La Porte, to be held June 13, 2022, in the City Hall Council Chamber, 604 West Fairmont Parkway, La Porte, Texas, beginning at 5:00 pm to consider the following items of business.

Remote participation is available. Attend via a screen using the link:

<https://us02web.zoom.us/j/87438102473?pwd=d0ZacUJ1OWplTDQvbkhINDJqN21XZz09>.

Join by phone at 888-475-4499 or 877-853-5257. The meeting ID is 874 3810 2473 and the passcode is 318770.

1. **CALL TO ORDER**
2. **CITIZEN COMMENT** *(Generally limited to five minutes per person; in accordance with state law, the time may be reduced if there is a high number of speakers or other considerations.)*
3. **STATUTORY AGENDA**
  - (a) Presentation, discussion, and possible action to approve the minutes of the Drainage and Flooding Committee regular meeting held on May 9, 2022. [Jay Martin, Chair]
  - (b) Presentation, discussion, and possible action regarding the status of potential development of property located at the intersection of State Hwy. 146 and McCabe Road and owned by Dutko Family Partnership, Ltd. [Lorenzo Wingate, Assistant Director of Public Works]
  - (c) Presentation, discussion, and possible action regarding status of 100 acre-foot detention pond project near the Pasadena Convention Center and Brookglen Subdivision, in connection with amended interlocal agreement between the City of La Porte and the City of Pasadena. [Lorenzo Wingate, Assistant Director of Public Works]
  - (d) Presentation, discussion, and possible action regarding the Harris County Flood Control District's (HCFCD) and Harris County Precinct 2's current and future plans related to flooding in the City of La Porte. [Lorenzo Wingate, Assistant Director of Public Works]
  - (e) Presentation, discussion, and possible action regarding the status of current drainage projects. [Lorenzo Wingate, Assistant Director of Public Works]
  - (f) Presentation, discussion, and possible action to provide administrative staff of the City with direction, if necessary, regarding additional drainage concerns. [Lorenzo Wingate, Assistant Director of Public Works]
4. **SET NEXT MEETING**
5. **COMMITTEE COMMENT** *Hear announcements concerning matters appearing on the agenda; items of community interest; and/or inquiries of staff regarding specific factual information or existing policy from the Committee members and City staff, for which no formal action will be discussed or taken.*

## 6. ADJOURN

If, during the course of the meeting and discussion of any items covered by this notice, the Drainage and Flooding Committee determines that a Closed or Executive Session of the Committee is required, then such closed meeting will be held as authorized by Texas Government Code, Chapter 551, Section 551.071 - consultation with counsel on legal matters; Section 551.072 - deliberation regarding purchase, exchange, lease or value of real property; Section 551.073 - deliberation regarding a prospective gift; Section 551.074 - personnel matters regarding the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; Section 551.076 - implementation of security personnel or devices; Section 551.087 - deliberation regarding economic development negotiation; Section 551.089 - deliberation regarding security devices or security audits, and/or other matters as authorized under the Texas Government Code. If a Closed or Executive Session is held in accordance with the Texas Government Code as set out above, the Drainage and Flooding Committee will reconvene in Open Session in order to take action, if necessary, on the items addressed during Executive Session.

**Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact the City Secretary's office (281-470-5019), two working days prior to the meeting for appropriate arrangements.**

Pursuant to Texas Government Code Sec. 551.127, on a regular, non-emergency basis, members may attend and participate in the meeting remotely by video conference. Should that occur, a quorum of the members will be physically present at the location noted above on this agenda.

**Councilmembers may attend in numbers constituting a quorum. This is a Drainage and Flooding Committee Meeting at which there will be no deliberation or formal action taken by City Council as a governmental body.**

### **CERTIFICATE**

I, Lee Woodward, City Secretary, do hereby certify that a copy of the June 13, 2022, Drainage and Flooding Committee agenda was posted on the City Hall bulletin board, a place convenient and readily accessible to the general public at all times, and to the City's website, [www.LaPorteTX.gov](http://www.LaPorteTX.gov), in compliance with Chapter 551, Texas Government Code.

DATE OF

POSTING

TIME OF

POSTING

TAKEN DOWN

\_\_\_\_\_

*Lee Woodward*

\_\_\_\_\_

Lee Woodward, City Secretary

JAY MARTIN, CHAIRMAN  
MAYOR PRO TEM

MANDI WILLIAMS  
COUNCILPERSON



CHUCK ENGELKEN  
COUNCILPERSON

BILL BENTLEY, ALTERNATE  
COUNCILPERSON

## **MINUTES OF THE DRAINAGE AND FLOODING COMMITTEE MEETING MAY 9, 2022**

The Drainage and Flooding Committee of the City of La Porte met on Monday, May 9, 2022, at the City Hall Council Chambers, 604 West Fairmont Parkway, La Porte, Texas, at 5:15 p.m. to consider the following items of business:

**Committee Members present:** Jay Martin, Chuck Engelken, Mandi Williams

**Committee Members attending remotely:** None

**Committee Members absent:** Bill Bentley (alternate)

**Council-appointed officers present:** Corby Alexander, City Manager; Lee Woodward, City Secretary

**CALL TO ORDER** – Chairman Martin called the meeting to order at 5:15 p.m.

**2. CITIZEN COMMENT** *(Generally limited to five minutes per person, in accordance with state law, the time may be reduced if there is a high number of speakers or other considerations.)*

Dewey Walls expressed concern about impacts to Shady River subdivision from drainage to Taylor Bayou from the proposed Dutko development. Neil Moyer reviewed the history of statutory property regulations for the Dutko property.

**3. STATUTORY AGENDA**

**a. Presentation, discussion, and possible action to approve the minutes of the Drainage and Flooding Committee regular meeting held on April 11, 2022. [Jay Martin, Chair]**

Member Engelken moved to approve the minutes; the motion was seconded by Member Williams; the motion was adopted, 3-0.

**b. Presentation, discussion, and possible action regarding the status of property located at the intersection of State Hwy. 146 and McCabe Road and owned by Dutko Family Partnership, Ltd. [Lorenzo Wingate, Assistant Director of Public Works]**

Mr. Wingate shared that staff has met with the developer but has not received a proposed drainage plan or offered any approvals. Jeff Anderson, a representative of Beazer Homes, and their engineer, Carl Ahrendt, of CobbFendley, were permitted to answer Committee questions, with Mr. Ahrendt noting that the proposed mitigation efforts would reduce the current storm water runoff, from the property to Taylor Bayou, from 58 cubic feet per second to 28 cfs. Without objection, Chair Martin asked the Assistant City Attorney to provide responses for Mr. Moyer's questions, and City Manager Alexander assured staff would reach out.

**c. Presentation, discussion, and possible action regarding status of 100 acre-foot detention pond project near the Pasadena Convention Center and Brookglen Subdivision, in connection with amended interlocal agreement between the City of La Porte and the City of Pasadena. [Lorenzo Wingate, Assistant Director of Public Works]**

Mr. Wingate said he expected the exact pond location on the site to be finalized shortly and the entire project to be completed in early 2023.

- d. Presentation, discussion, and possible action regarding the Harris County Flood Control District's (HCFCD) and Harris County Precinct 2's current and future plans related to flooding in the City of La Porte. [Lorenzo Wingate, Assistant Director of Public Works]**

Mr. Wingate said staff was still coordinating with HCFCD on several projects and expected to receive Brookglen grant funds and bond monies shortly.

- e. Presentation, discussion, and possible action regarding the status of current drainage projects. [Lorenzo Wingate, Assistant Director of Public Works]**

Mr. Wingate provided updates on several additional projects.

- f. Presentation, discussion, and possible action to provide administrative staff of the City with direction, if necessary, regarding additional drainage concerns. [Lorenzo Wingate, Assistant Director of Public Works]**

There was nothing additional for this item.

**4. SET NEXT MEETING** - The next meeting was set for June 13, 2022.

**5. COMMITTEE COMMENT** – *Hear announcements concerning matters appearing on the agenda; items of community interest; and/or inquiries of staff regarding specific factual information or existing policy from the Committee members and City staff, for which no formal action will be discussed or taken.*

Chair Martin congratulated Lorenzo Wingate for being named Employee of the Quarter.

**ADJOURN** – The meeting was adjourned without objection at 5:49 p.m.

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Lee Woodward, City Secretary



## REQUEST FOR DRAINAGE & FLOODING COMMITTEE AGENDA ITEM

Agenda Date Requested: June 13, 2022

Requested By: Lorenzo Wingate, Asst. Director

Department: Public Works

☒ Report   ☐ Resolution   ☐ Ordinance

**Exhibits:**

### Appropriation

Source of Funds: N/A

Account Number: N/A

Amount Budgeted: N/A

Amount Requested: N/A

Budgeted Item:   ☐ Yes   ☐ No

### SUMMARY & RECOMMENDATION

Staff received a Special Conditional Use Permit (SCUP) application for the property located on the southeastern corner of McCabe Rd. and SH146. Documentation related to utilities, drainage, and traffic are currently pending engineering review. The documents for a Future Land Use Plan amendment request, SCUP application request, and Zone Change request, related to the site, are expected to be presented to the Planning and Zoning (P&Z) Commission for consideration at the June 16, 2022 P&Z Meeting.

### ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE

**Receive and analyze the report to provide Staff with direction, as necessary.**

**Approved for Drainage Committee Agenda**

\_\_\_\_\_  
Corby D. Alexander, City Manager

\_\_\_\_\_  
Date



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Requested By: Lorenzo Wingate, Asst. Director

Department: Public Works

☒ Report    ☐ Resolution    ☐ Ordinance

**Exhibits:**

### Appropriation

Source of Funds: N/A

Account Number: N/A

Amount Budgeted: N/A

Amount Requested: N/A

Budgeted Item:    ☐ Yes    ☐ No

### SUMMARY & RECOMMENDATION

Kickoff meeting with staff from Pasadena, La Porte and the design consultant was held on January 6th. Preliminary engineering phase has been initiated. Consultant finalized H&H models and submitted to Pasadena in late May. Draft impact analysis is expected to be submitted by the end of June. Environmental analyses are expected to be finalized by the end of June. Consultant is awaiting direction, from Cities, related to coordination with USACE.

### ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE

**Receive report, and provide staff with direction, as necessary.**

**Approved for Drainage Committee Agenda**

\_\_\_\_\_  
Corby D. Alexander, City Manager

\_\_\_\_\_  
Date



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Requested By: Lorenzo Wingate, Asst. Director

Department: Public Works

☒ Report   ☐ Resolution   ☐ Ordinance

**Exhibits:**

### Appropriation

Source of Funds: N/A

Account Number: N/A

Amount Budgeted: N/A

Amount Requested: N/A

Budgeted Item:   ☐ Yes   ☐ No

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### SUMMARY & RECOMMENDATION

Receive report regarding Harris County Flood Control District's (HCFCD) and Harris County Precinct 2's current and future plans related to flooding in the City of La Porte.

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### ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE

Receive report, and provide Staff with direction, as necessary.

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**Approved for Drainage Committee Agenda**

\_\_\_\_\_  
Corby D. Alexander, City Manager

\_\_\_\_\_  
Date



## REQUEST FOR DRAINAGE & FLOODING COMMITTEE AGENDA ITEM

Agenda Date Requested: June 13, 2022

Requested By: Lorenzo Wingate, Asst. Director

Department: Public Works

☒ Report    ☐ Resolution    ☐ Ordinance

**Exhibits:** Project map; Project update chart and Harris County Drainage Network Map

### Appropriation

Source of Funds: N/A

Account Number: N/A

Amount Budgeted: N/A

Amount Requested: N/A

Budgeted Item:    ☐ Yes    ☐ No

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### SUMMARY & RECOMMENDATION

Refer to attached exhibit(s) for updates on various drainage projects throughout the City.

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### ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE

**Receive report, and provide staff with direction, as necessary.**

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Approved for Drainage Committee Agenda

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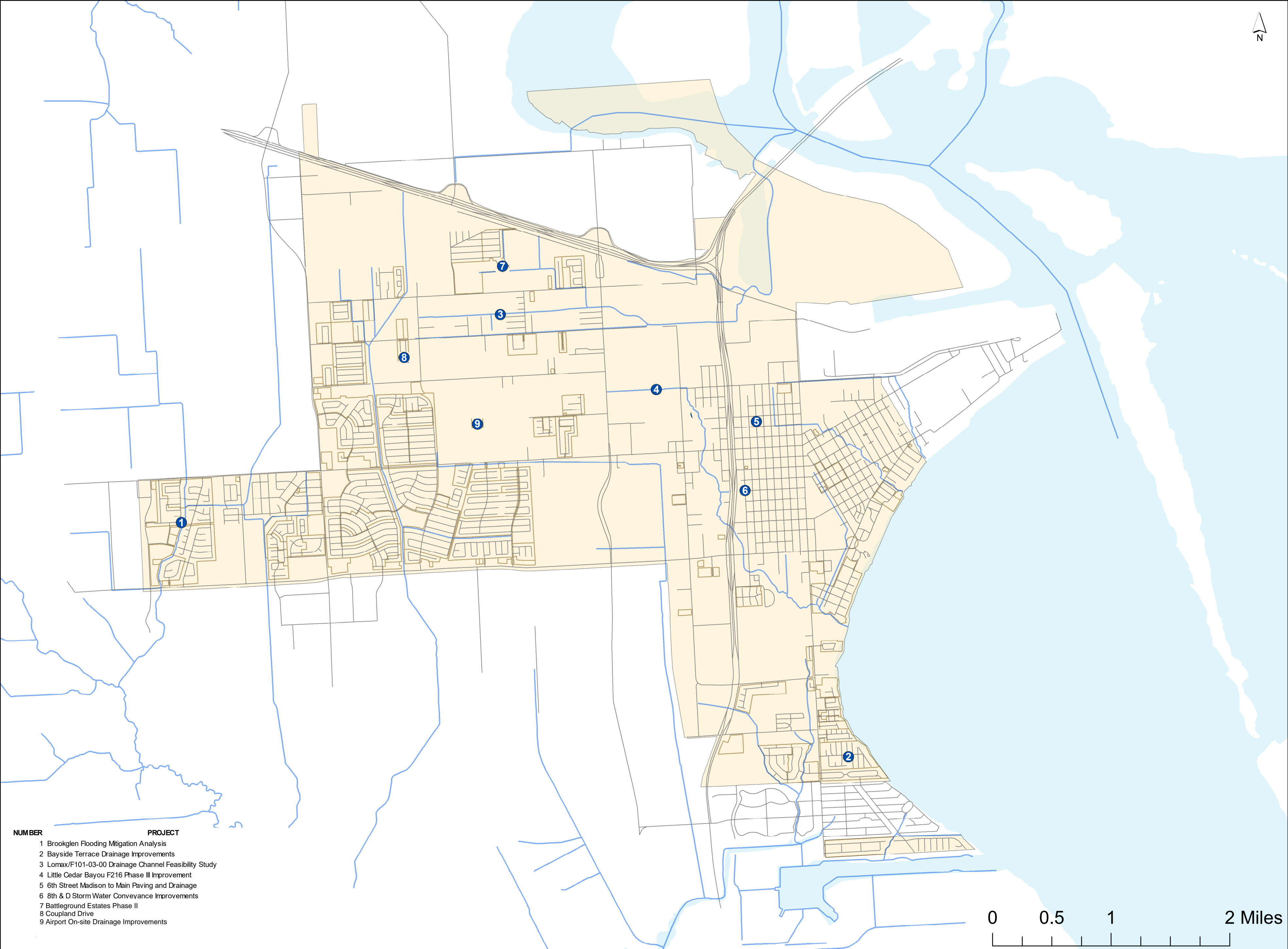
Corby D. Alexander, City Manager

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Date



# The City of La Porte Drainage Projects 2019



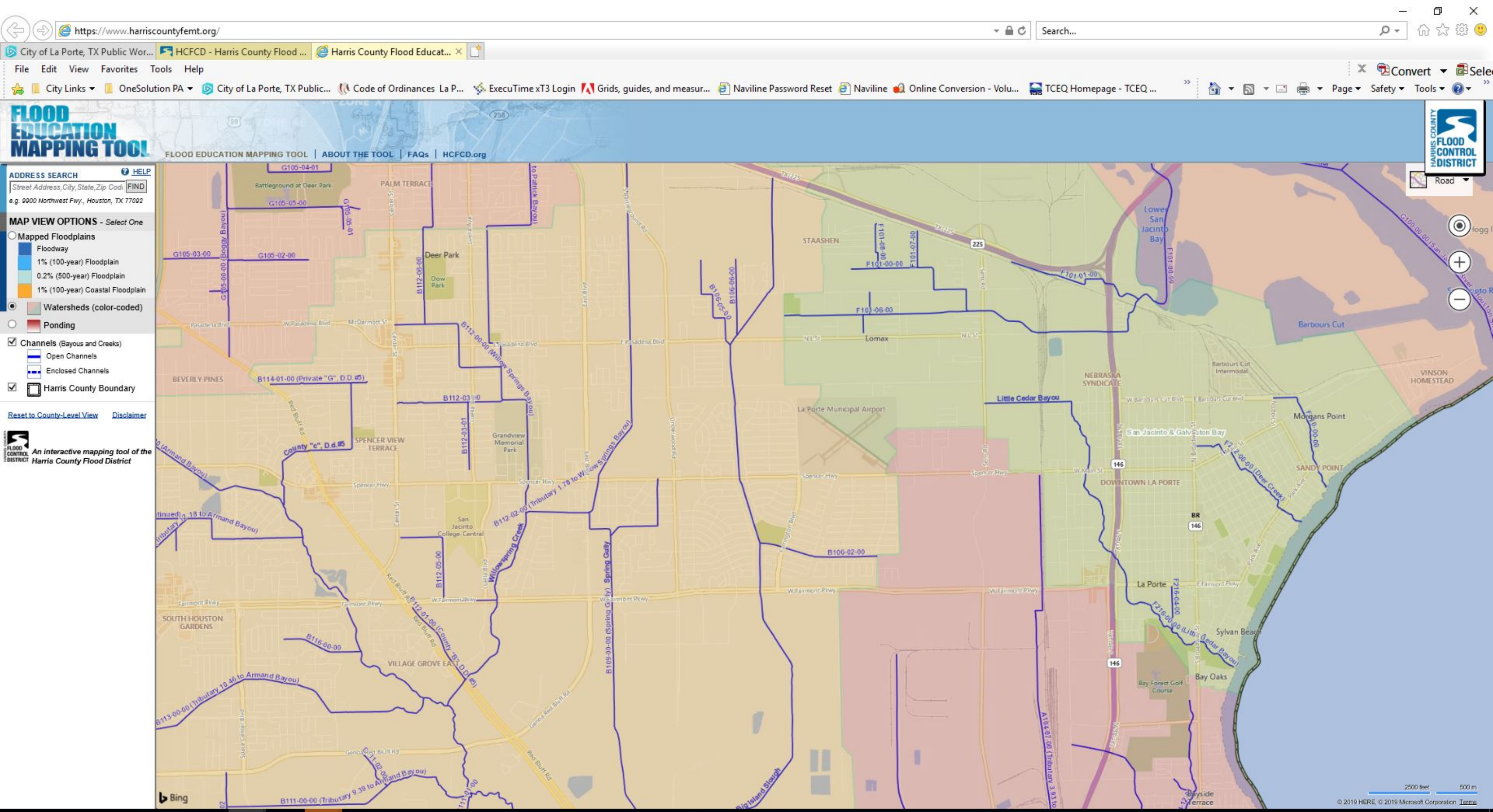
# DRAINAGE PROJECTS

\*Estimated completion date references total project completion.

\*\*% complete references percent completion of current project phase.

NO.	PROJECT	PROJECT MANAGER	DESCRIPTION	PROJECT PHASE (Feasibility/Preliminary Design/Final Design/Bidding/Construction)	Status	Anticipated Construction Cost	Potential Grant Funding	Potential COLP Cost Share	COLP Budgeted Amount	Estimated Completion Date	% Complete (Phase)	On Schedule
1	Brook glen Flooding Mitigation Analysis	HCFC / Public Works	The 2000 City-wide Drainage Study identifies the Brook glen subdivision as an area with significant drainage/flooding problems, attributed to a mixture of inadequate sewerage and insufficient channel capacity within the B112-00-00 Channel. Compounded improvements recommended within the City-wide Drainage Study could reduce the flood risk within the Brook glen area. This analysis would expand upon the recommendations provided within 2009 study.	HCFC (NCRS) - Preliminary Design; COLP - Pending	Staff began negotiating a professional services agreement to provide engineering services for the design of the proposed local drainage system improvements projects. HCFC is preparing 90% construction plans for the northern detention basin.	\$11,400,010.00	GLO - \$4,000,000; Pct. 2 Partnership - \$2,900,023.28; ARPA - TBD;	Harris County - 24%; GLO - 33%; COLP - 42;	COLP - \$2,300,000	NCRS - March 2022; Bond - TBD; COLP - TBD	NCRS - 35%; COLP - 0%	NCRS - Yes Bond - No COLP - TBD
2	Bayside Terrace Drainage Improvements	Public Works	Approximately 800 linear feet of RCP pipe, ranging in size from 15" to 24", exists within the Bayside Terrace Subdivision, which has not been properly maintained due to access issues attributed to limited access to infrastructure, provided within a five foot utility easement. Portions of Hamilton Street and Fondren Street utilize this system to convey stormwater to its outfall point of Galveston Bay. The system fails to function properly, causing flooding within the adjacent portion(s) of the subdivision. A proposed drainage study would discuss feasibility of rerouting this flows from the 800 feet of RCP, towards Bayside Dr. and utilizing the existing system within Bayside Dr. to convey the storm water within the existing system.	Final Design	Consultant is coordinating with private utility companies to address anticipated utility conflicts. Staff is reviewing the 100% plan set. Staff is submitted drainage easement from Bayside Terrace Civic Club to Harris County for recordation.	\$6,947,215.00	Pct. 2 Partnership - \$2,982,496	Harris County - \$2,982,496; COLP - \$4,356,041	\$5,405,000.00	March 2022	95%	Yes
3	Lomax/F101-03-00 Drainage Channel Improvements	HCFC	Harris County Flood Control District's (HCFC) F101-06-00 Channel system conveys storm water runoff from the Lomax area and ultimately outfalls into Lower San Jacinto Bay. The downstream section of the channel has been improved to ultimate capacity. An existing pipeline corridor, containing several pipelines located at depths ranging from approximately 2' to 18", cross the channel, limiting the depth of potential channel improvements. Moderate/heavy rain events, compounded with backwater conditions from this section of the channel, contributes to wide-spread flooding within the Lomax Area.	Final Design	Staff is coordinating with HCFC to determine the ultimate limits of the project scope.	\$3,400,000.00	HCFC Bond; ARPA - TBD	50/50	\$950,000.00	January 2023	10%	Yes
4	Little Cedar Bayou F216 Phase III Improvements	HCFC / Public Works	Phase I and Phase II Improvements to Little Cedar Bayou, from Hwy 146 to Madison, have either been completed or are currently awarded for construction. Phase I and Phase II improvements include, but are not limited to, excavating and disposing off-site soil as required for the new channel alignment, clearing and grubbing, demolition of existing structures, erosion control, and site restoration for approximately 5,533 LF of channel.  Approximately 4,680 LF of channel remains unimproved upstream, with those improvements slated to be included within this project, to be considered Phase III. Survey data has been collected on this most upstream section. Routine maintenance of clearing overgrowth, trees, and obstructions; minor erosion control and slope stabilization; and destilling is planned to maintain existing conveyance capacity. Those maintenance operations are projected to begin late 4th quarter 2018 or early 1st quarter 2019 (calendar year).  The following Phase III mitigation action is proposed, as recommended within the Hydraulic Analysis for Little Cedar Bayou Watershed HCFC Unit F216-00-00: lowering the low line of the Bayou 1' - 2' feet, from W. Madison to Sens Rd. Current channel side slopes would be modified to achieve 3:1 side slopes from W Madison St. to Sens Rd. An estimated 200,000 cubic yards are to be excavated from the channel. Over excavation is provided to yield sufficient storage volume in the pond after siltation and build-up in the pond bottom.	Feasibility	Staff and consultant continue to coordinate with HCFC to develop existing conditions model for the channel. Staff, consultant, and HCFC, participate in bi-weekly project status meeting to discuss project progression.	TBD	HCFC Bond - \$8,000,000; ARPA - TBD	\$2,000,000.00	\$3,055,232.00	Dec 2022	25%	Yes
5	8th Street Madison to Main Paving and Drainage	Public Works	The segment of 8th St from W. Madison St to W. Main St is considered part of Old La Porte, which was generally noted in the City-Wide Drainage Study as not having sufficient storm sewer capacity due to undersized storm sewer, undersized storm inlets, or not enough storm inlets. RPS-Klotz provided an analysis of the existing storm sewer system and identified problem areas within the project limits. Additional analysis is required to determine most efficient improvement alternative.	Phase 2 - Final Design	Staff is coordinating the HCFC and grant administrator to address wetlands mitigation.	Phase 2 - \$3,400,000	Phase 2 - \$3,472,757	\$125,000.00	\$1,140,000.00	Phase 2 - August 2022	Phase 2 - 75%	Phase 2 - Yes
6	8th & D Storm Water Conveyance Improvements	Public Works	The area generally bounded by 8th Street to the west, Main Street to the north, 5th Street to the east, and D Street to the south experiences flooding during heavy rain events due to undersized culverts within the area. Increasing culvert sizes within the area will provide additional conveyance capacity within the existing open ditch system.	Construction	This project has been incorporated into the 7th Street Rehabilitation Project. Construction activity began on September 13, 2021. Storm sewer related infrastructure is approximately 90% complete.	\$4,800,000.00	N/A	N/A	\$4,867,000.00	October 2022	55%	Yes
7	Battleground Estates Phase II	Public Works	A proposed conditions hydraulic model was developed during the preliminary design for the N P Street Culvert Improvement Project, which recommended replacing the upstream portion of the existing composite structure at N P Street, with structures matching the downstream portion of the composite structure. That project allows for full utilization of the structure's capacity, as well as protect the channel during rainfall events that produce higher amounts of runoff. Per the recommendations of the Phase I report, a more detailed Phase 2 engineering analysis of segments F101-00-00 and F101-08-00, that are upstream of N P Street, as well as an evaluation of the roadside ditch drainage conduits within Battleground Estates should be performed to identify necessary improvements to address structural flooding within the area. The more detailed study would evaluate the impacts of culverts located upstream of N P Street, along F101-00-00 resulting from the 10-, 50-, and 100-year rain event. Channel improvements, and increasing culvert sizes to provide sufficient capacity within culverts along the roadside ditches are the anticipated mitigation efforts.	Feasibility	Staff has completed the review of responses to RFQ. Staff has identified potential design consultant and anticipates initiating preliminary engineering phase in October. Potential for ARPA funds to be utilized to supplement project funding.	TBD	ARPA - TBD	50/50	\$215,000.00	August 2023	0%	No
8	Coupland Drive	Public Works	The proposed storm sewer improvements include re-aligning Coupland Drive to drain towards inlets located throughout the subdivision. The inlets will drain into proposed storm sewer ranging in size from 24" to 30" RCP. This storm sewer will then flow underneath the existing roadside ditch along L Street to a combined outfall with the existing roadside ditch to Big Island Slough. The proposed storm sewer underneath the existing ditch on L Street will be 42" RCP and the combined outfall will need to be a 60" RCP. These improvements will result in no net fill within the Big Island Slough 100-year floodplain. The proposed storm sewer was sized for the 2 year storm event, per the City of La Porte drainage criteria.	Final Design	Harris County has required the design to be updated to include Atlas 14 rainfall intensity. Design update expected complete. Bid phase to be integrated into Lomax Lift Station Project.	\$1,550,000.00	N/A	N/A	\$1,310,000.00	November 2022	100%	Yes







## REQUEST FOR DRAINAGE & FLOODING COMMITTEE AGENDA ITEM

Agenda Date Requested: June 13, 2022

Requested By: Lorenzo Wingate, Asst. Director

Department: Public Works

☒ Report   ☐ Resolution   ☐ Ordinance

### Appropriation

Source of Funds: N/A

Account Number: N/A

Amount Budgeted: N/A

Amount Requested: N/A

Budgeted Item:   ☐ Yes   ☐ No

Exhibits:

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### SUMMARY & RECOMMENDATION

Opportunity to discuss any drainage concerns not covered by previous items.

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### ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE

Receive report, and provide staff with direction, as necessary.

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Approved for Drainage Committee Agenda

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Corby D. Alexander, City Manager

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Date