

CHUCK ENGELKEN
COUNCILPERSON
BILL BENTLEY
ALTERNATE, COUNCILPERSON

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 July 11, 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, also. Attend via a screen using this link:

https://us02web.zoom.us/j/87802374773?pwd=-APGJjSCPbhEbsKQRa2IEWU8_3dGpL.1

Join by phone at 888 475 4499 or 877 853 5257. The meeting ID is 878 0237 4773. The passcode is 063157.

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 June 13, 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

POSTING TAKEN DOWN

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 July 11, 2022, Drainage and Flooding Committee
agenda was posted on the City Hall bulletin board, a place con	venient and readily accessible to the general public at all
times, and to the City's website, www.LaPorteTX.gov, in complia	nce with Chapter 551, Texas Government Code.
DATE OF	
POSTING	
TIME OF	

Lee Woodward
Lee Woodward, City Secretary



CHUCK ENGELKEN COUNCILPERSON

BILL BENTLEY, ALTERNATE COUNCILPERSON

MINUTES OF THE DRAINAGE AND FLOODING COMMITTEE MEETING JUNE 13, 2022

The Drainage and Flooding Committee of the City of La Porte met on Monday, June 13, 2022, at the City Hall Council Chambers, 604 West Fairmont Parkway, La Porte, Texas, at 5:00 p.m. to consider the following items of business:

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

Committee Members attending remotely: Bill Bentley (alternate)

Committee Members absent: None

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

Secretary

CALL TO ORDER – Chairman Martin called the meeting to order at 5:00 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 and John Sheffield spoke of their concerns about drainage at Shady River due to area development.

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]

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 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]

Mr. Wingate said the City has received an application for a Special Conditional Use Permit (SCUP). He noted the property is entirely located in a floodplain and has part of a low- to moderate-wave action zone. He said the project is moving forward for the Planning and Zoning Commission to consider a zone change request, a change to the Future Land Use Map, and the SCUP application. Chair Martin said the City had met with Beazer Homes, the developer, just before this meeting, over Beazer's corrective measure they have developed with their engineer, CobbFindley, and that Beazer will also be employing LJA Engineering. Jeff Anderson of Beazer was permitted to address the Committee.

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 some preliminary environmental analysis was being done and that he expected a draft of the impact analysis by the end of June. Councilperson Engelken spoke strongly of his concerns about the project and the seemingly threatening comments made by HCFCD regarding the capacity for retention/detention in the area. [This is in regards to proposed detention ponds on the Brookglen buyout lots, not the 100 acre-foot pond project.]

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 the City was still coordinating with the County through Brookglen Park and of mowing in the Bay Area median. Chair Martin asked that clearing of Taylor Bayou at Oak Leaf has not been completed and that it be addressed.

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

Mr. Wingate said the City is reviewing 100% plans and the opinion of cost on the Bayside Terrace project.

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]

Chair Martin said a resident on Bay Harbor Drive/Oakhurst had requested mowing at the ditch and culvert there. Mr. Mayo said they had contacted TxDOT, who had begun on the other side of town, so he had instructed the City staff to perform the service. Councilperson Engelken inquired about permits for a home on stilts behind Popeye's on Spencer at the corner of Fernrock and Collingsdale.

- **4. SET NEXT MEETING** The next meeting was set for July 11, 2022. Chair Martin noted he may not be able to attend.
- **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 expressed his appreciation for all who attended the meeting.

ADJOURN -	The meeting was adjourned without objection at 5:33 p.m.	
Lee Woodwar	rd, City Secretary	



Agenda Date Requested: July 11, 2022	Appropriation					
Requested By: Lorenzo Wingate, Asst. Director	Source of Funds: N/A					
Department: Public Works	Account Number: N/A					
Report Resolution Ordinance	Amount Budgeted: N/A					
	Amount Requested: N/A					
Exhibits:	Budgeted Item: C Yes C No					
	Budgotod florii.					
SUMMARY & RECO	MMENDATION					
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, were presented to the Planning and Zoning (P&Z) Commission for consideration at the June 16, 2022 P&Z Meeting. At the June 16 th P&Z meeting, P&Z voted to recommend approval of Zone Change request. P&Z tabled consideration of the SCUP application, siting the desire for the applicant to provide additional information related to environmental and infrastructure impacts. The applicant targets returning to P&Z in August.						
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					



Agenda Date Requested: July 11, 2022	Appropriation						
Requested By: Lorenzo Wingate, Asst. Director	Source of Funds: N/A						
Department: Public Works	Account Number: N/A						
	Amount Budgeted: N/A						
	Amount Requested: N/A						
Exhibits:	Budgeted Item: C Yes C 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 issues have impacted the ability to access the site to perform geotechnical investigations. The consultant is coordinating with the City of Pasadena to determine approach to limit environmental impacts.							
ACTION REQUIRED BY DRAINAG	E AND FLOODING COMMITTEE						
Receive report, and provide staff with direction, as necessary.							
Approved for Drainage Committee Agenda							
Corby D. Alexander, City Manager	Date						



Agenda Date Requested: July 11, 2022	Appropriation								
Requested By: Lorenzo Wingate, Asst. Director	Source of Funds: N/A								
Department: Public Works	Account Number: N/A								
Report Resolution Ordinance	Amount Budgeted: N/A								
	Amount Requested: N/A								
Exhibits: HCFCD June Memo;	Budgeted Item: C Yes C No								
SUMMARY & REC	COMMENDATION								
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. HCFCD staff are expected to participate to discuss project statuses.									
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								

MEMORANDUM

DATE: June 27, 2022

TO: Lorenzo Wingate P.E., C.F.M.

Assistant Director of Public Works

FROM: Jeremy Ratcliff

Precinct Coordinator

RE: City of La Porte Drainage Committee Meeting (July 11th)

1. B512-00-00-E001 Tributary and Conveyance Improvements on Brookglen area

- We have completed 50% design submittal for this project. The project has subdivided into two bid package for bid ready submittal, North Detention Basin and South Detention Basin. We are expecting to receive bid ready submittal of North Detention Basin within this month, June.
- For South Detention Basin, we are waiting for LONO (Letter of No Objection) from utilities company to submit the Street and Alley Closure (SAC) application form to the City of LaPorte. Then we will prepare bid ready submittal for South Detention Basin based on approval or rejection of street abandonment process.
- For the NORTH basin we will be submitting SAC application to city council very soon.
- All eight houses at South compartment have been demolished

2. B112-00-00-G001 Brookglen Subdivision Drainage Improvements

- Project lead is City of La Porte
- HCFCD Contribution (\$2.9M) received by the City on 05/12/22
- Per the City, a consultant was engaged to prepare a proposal
- HCFCD awaits invitations to project progress meetings
- 3. F101-06-00-E002 Partnership Project with La Porte to reduce flooding
 - Project is being evaluated internally to see what the next steps should be
- **4. F212-00-00-C001 Channel Conveyance Improvements -**This project stems from the Galveston Bay Watershed Planning study and consists of three components.

- Channel Deepening &/or widening from N. Broadway Street to N. Utah Street,
- Conversion of an open channel segment to a closed conduit using dual 8ft by 5ft concrete boxes between N. Utah Street and Main Street,
- The replacement of an existing 66" concrete pipe with a dual 8ft by 5ft concrete box culvert toward the outfall into the open channel section of F212.
- The project is currently in the Design Phase and scheduled to begin construction in the early 2023.
- The open channel segment of the project has been deemed jurisdictional because of the cost and schedule impacts design alternatives are being developed for consideration
- The Conceptual design report discussing the alternatives is due in August of 2022

5. A104-12-01 Bayside Terrace Partnership Project

- Project lead is City of La Porte
- ILA with the City was approved by HCCC on 10/26/21
- HCFCD Contribution (\$2.87M) received by the City on 12/21/21
- Per the City, the consultant is finalizing 100% sealed plans, specifications, and OPCC.

6. F216-00-00-E001

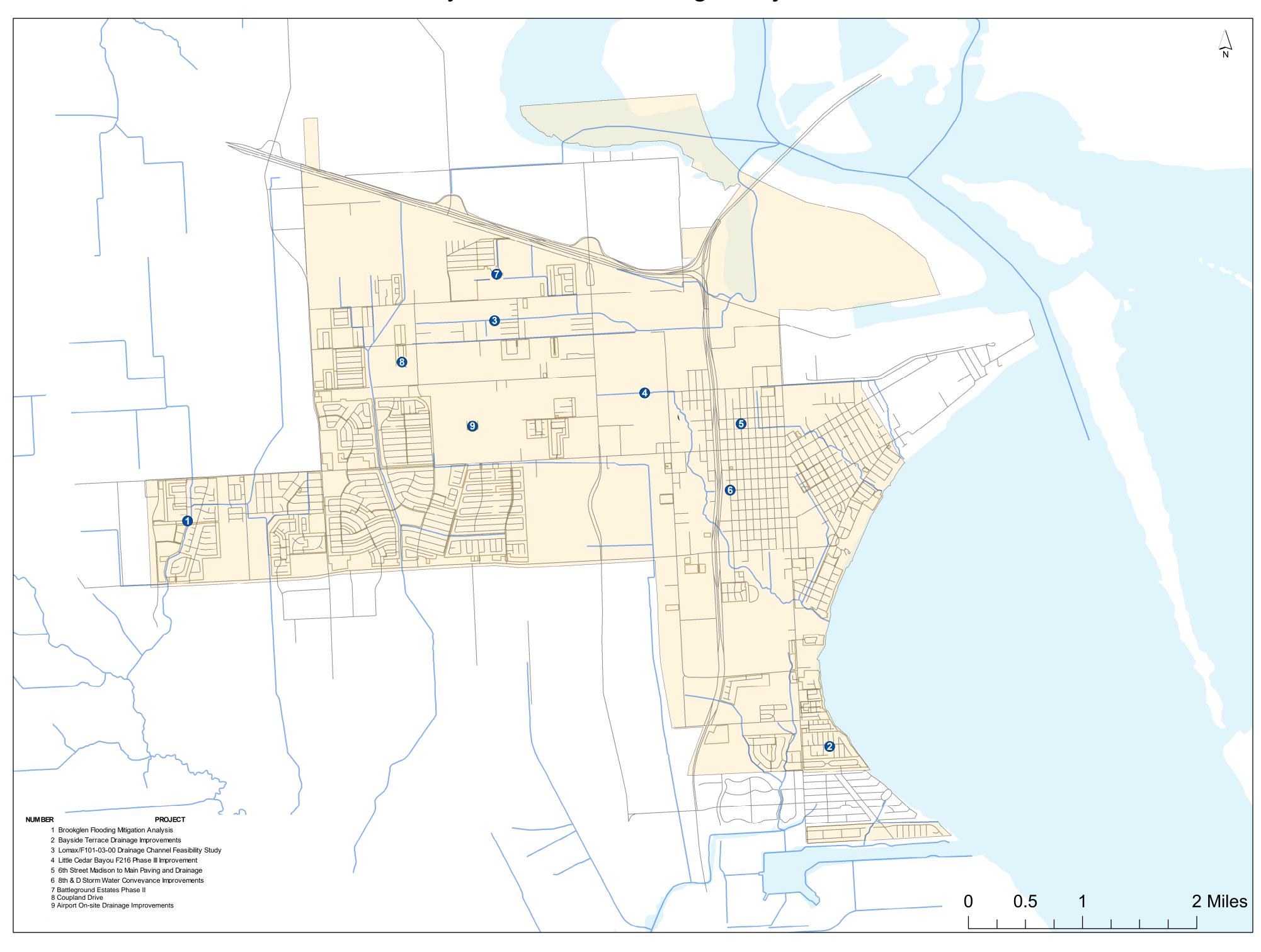
- Workshop 1 (last Friday)

 we discussed existing condition ,flooding issues and potential solution along F216.
- Phase I &II (inline detention along mid reach of F216) were already designed and constructed in the past. For this study we will focus on a solution in Phase III area (upper reach of F216) to provide flood reduction benefits. Maybe do something similar (in line detention) in the Phase III area. Consultant will evaluate some project options.



Agenda Date Requested: July 11, 2022	Арргорпаціон						
Requested By: Lorenzo Wingate, Asst. Director	Source of Funds: N/A						
Department: Public Works	Account Number: N/A						
Report	Amount Budgeted: N/A						
	Amount Requested: N/A						
Exhibits: Project map; Project update chart and Harris County Drainage Network Map	Budgeted Item: Yes No						
SUMMARY & RECOMMENDATION Refer to attached exhibit(s) for updates on various drainage projects throughout the City.							
ACTION REQUIRED BY DRAINAGE AND FLOODING COMMITTEE							
Receive report, and provide staff with direction, as necessary.							
Approved for Drainage Committee Agenda							
Approved for Drainage Committee Agenda							

The City of La Porte Drainage Projects 2019

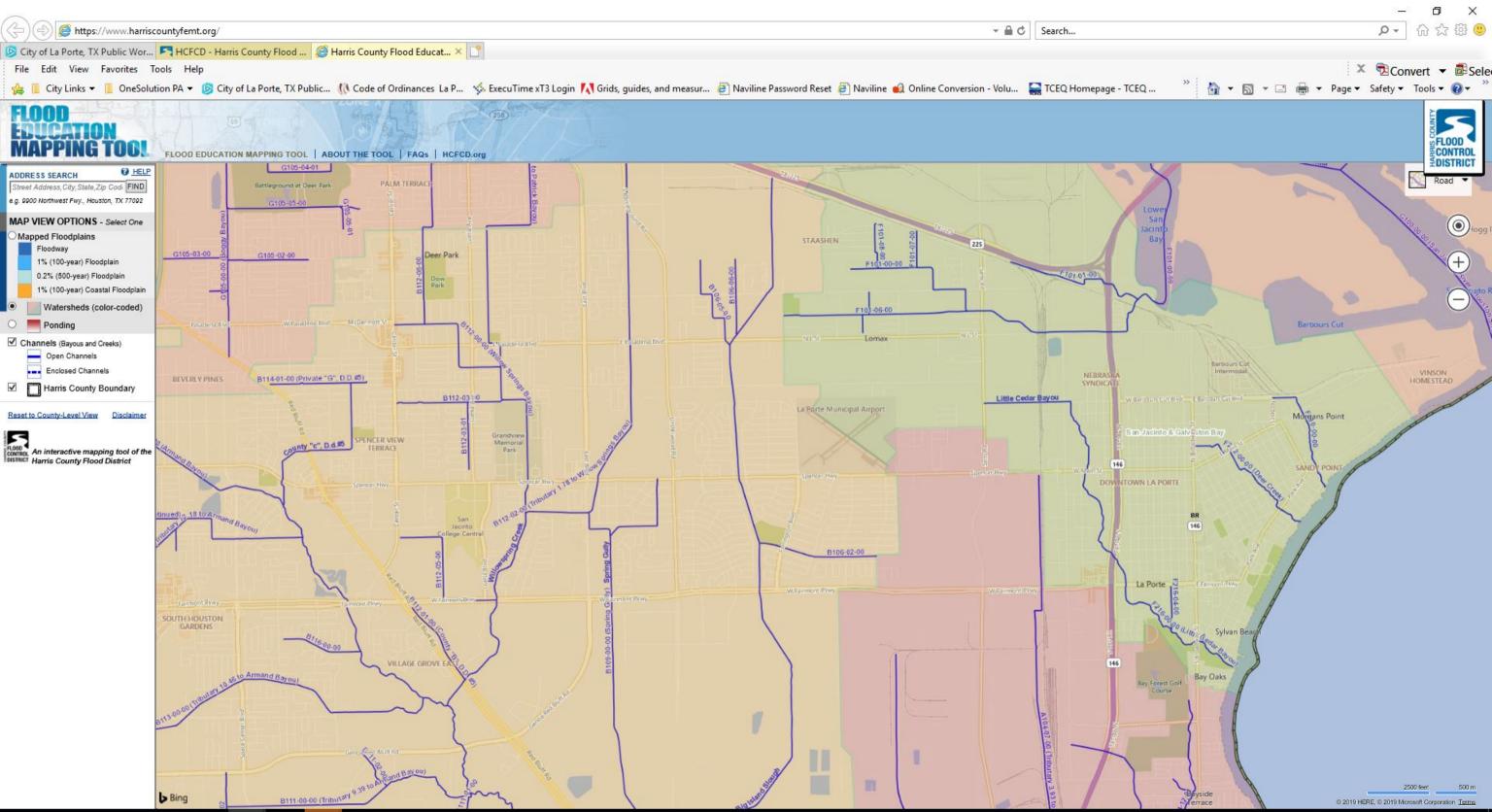


DRAINAGE PROJECTS

^{**%} 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	HCFCD / Public Works	The 2009 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.	HCFCD (NCRS) - Preliminary Design; COLP -	Staff began negotiating a professional services agreement to provide engineering services for the design of the proposed local drainage system improvements projects.	\$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 - \$2,500,000	NCRS - March 2022; Bond - TBD; COLP - TDB	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 Terrance 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	Private utility companies have applied for ROW permits needed to begin relocating underground utilities to avoid conflicts with proposed improvements. The design consultant is currently considering potential construction material alternatives to be included on the bid form.	\$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	HCFCD	Harris County Flood Control District's (HCFCD) 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 HCFCD to determine the ultimate limits of the project scope.	\$3,400,000.00	HCFCD Bond; ARPA - TBD	50/50	\$950,000.00	January 2023	10%	Yes
4	Little Cedar Bayou F216 Phase III Improvements	HCFCD / 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 desilting 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 HCFCD Unit F216-00-00: lowering the flow 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. Ar 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 HCFCD to develop existing conditions model for the channel. Staff, consultant, and HCFCD, participate in bi-weekly project status meeting to discuss project progression.	TDD	HCFCD Bond - \$8,000,000; ARPA - TBD	\$2,000,000.00	\$3,055,232.00	Dec 2022	25%	Yes
5	6th Street Madison to Main Paving and Drainage	Public Works	The segment of 6th 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 no 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	Design consultant is coordinating with CenterPoint Energy to address potential utility conflicts identified in the 90% plans. Drainage Impact Analysis is pending HCFCD approval. Staff is coordinating with HCFCD for mitigation credits.	Phase 2 - \$3,400,000	Phase 2 - \$3,472,757	\$125,000.00	\$1,140,000.00	Phase 2 - August 2022	Phase 2 - 85%	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	50%	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 1 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 address structural flooding within the area. The more detailed study would evaluate the impacts of culverts located upstream of N P Street, along F-101-00-00 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.	TDD	ARPA - TBD	50/50	\$215,000.00	August 2023	0%	No
8	Coupland Drive	Public Works	The proposed storm sewer improvements include re-sloping 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 5 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.		N/A	N/A	\$1,310,000.00	November 2022	100%	Yes

^{*}Estimated completion date references total project completion.





Agenda Date Requested: July 11, 2022	Appropriation			
Requested By: Lorenzo Wingate, Asst. Director	Source of Funds:	N/A		
Department: Public Works	Account Number:	N/A		
Report Resolution Ordinance	Amount Budgeted: N/A			
	Amount Requested:	N/A		
Exhibits:	Budgeted Item:	C Yes C No		
SUMMARY & RECO Opportunity to discuss any drainage concerns	_	evious items.		
ACTION REQUIRED BY DRAINAGE Receive report, and provide staff with direct				
		ıy.		
Approved for Drainage Committee Agenda	·			