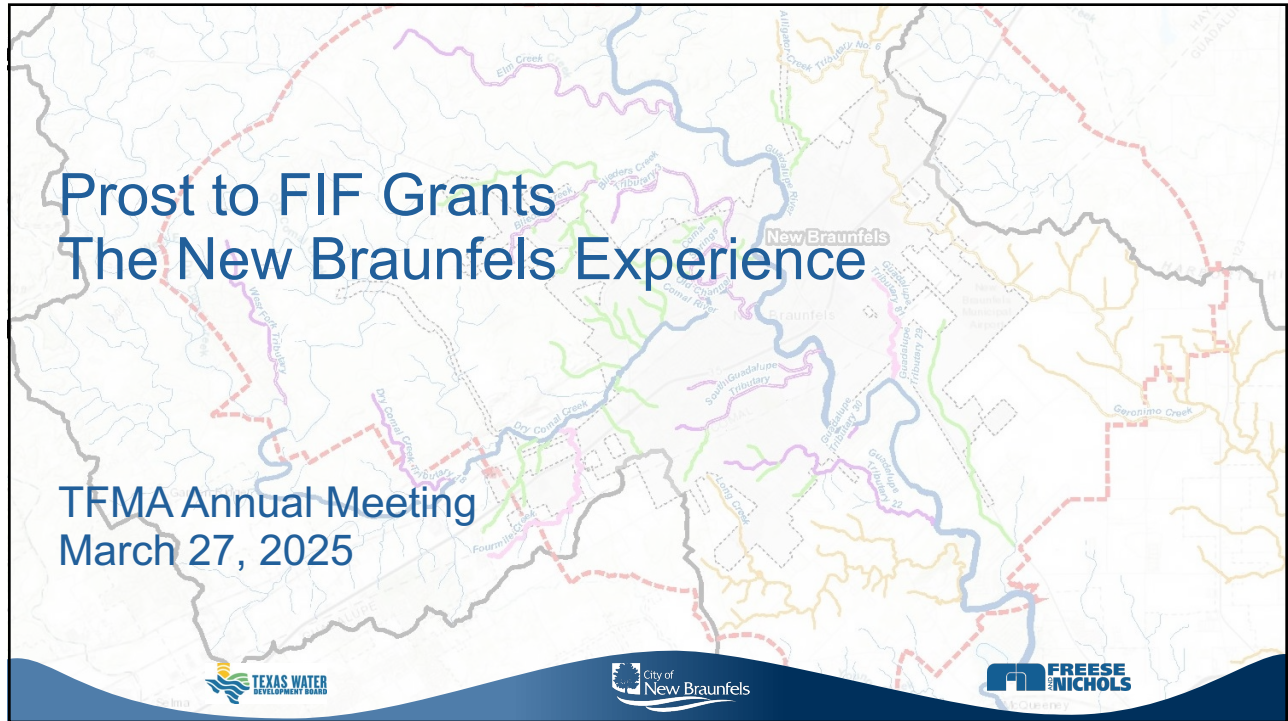


Prost to FIF Grants The New Braunfels Experience

TFMA Annual Meeting
March 27, 2025



Presenters



Carly L. Farmer, PE, CFM
City of New Braunfels (CoNB)
Assistant City Engineer
Project Manager



Melissa Hislop, EIT
Texas Water Dev. Board
(TWDB)
Project Manager



Kim Patak, PE, CFM, ENV SP
Freese and Nichols, Inc. (FNI)
Associate
Senior Advisor



New Braunfels, Texas

- Founded 1845 by Prince Carl Solms of Braunfels, Germany
- Located on I-35 corridor between San Antonio and Austin
- Guadalupe and Comal Rivers
- Flash flood alley



Catastrophic Flooding Meets Rapid Development

- One of the fastest-growing communities in the US
- Development around unmapped streams
- Majority of effective models are before 2010
- Atlas 14
- Lack of drainage projects in the CIP



Flood Infrastructure Fund (FIF) Program – Cycle 1

Four Project Categories:

CATEGORY 1: Flood Protection Planning for Watersheds (before a flood event)

CATEGORY 2: Planning, Acquisition, Design, Construction, Rehabilitation (All combinations of these activities)

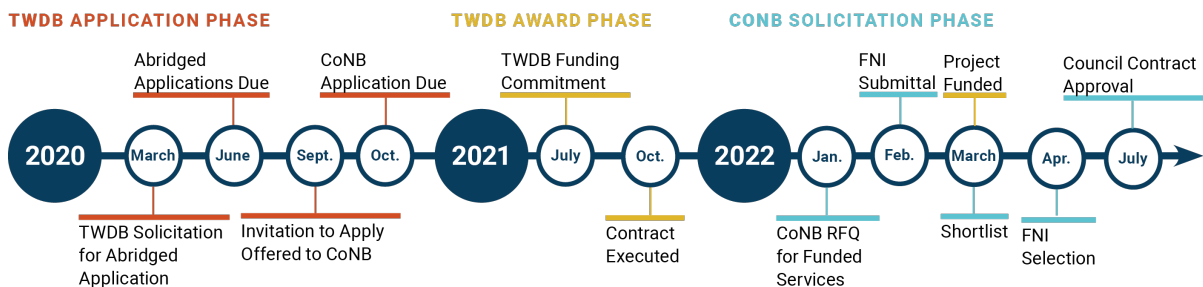
CATEGORY 3: Federal Award Matching Funds

CATEGORY 4: Measures immediately effective in protecting life and property

- Financial assistance for structural and nonstructural solutions
- Projects must involve collaboration with others



FIF Cycle 1 Timeline



Application and Award Phases

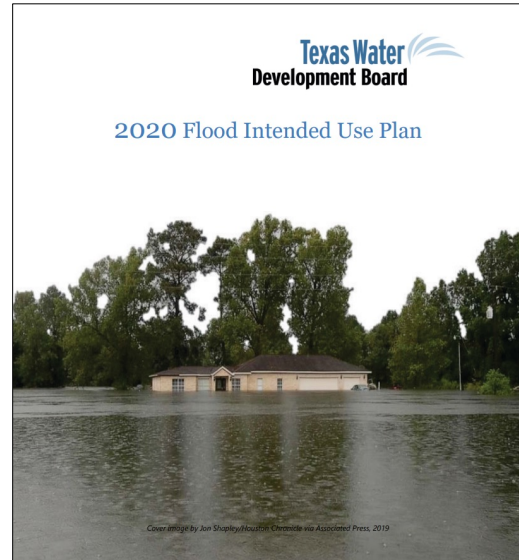
Category 1 Expectations

Technical:

- Study Area > HUC-10
- Alts Analysis – focus on life and land saving operations and risk reduction parameters

Administrative:

- Notify Political Subdivisions
- Public meetings and awareness
- Timely project updates and invoicing

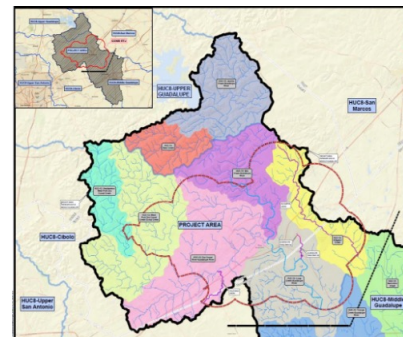


Application and Award Phases

TWDB Category 1 Commitment Elements

Deliverables

- Floodplain study and remapping for streams within the City's ETJ
- Preliminary study of watershed outside of the ETJ
- Prioritized list of regional flood control projects
- Enhance public education and create web access to the floodplain information



Conduct at least 3 Public Meetings
Follow Final Report template
Regular progress and outlay reports

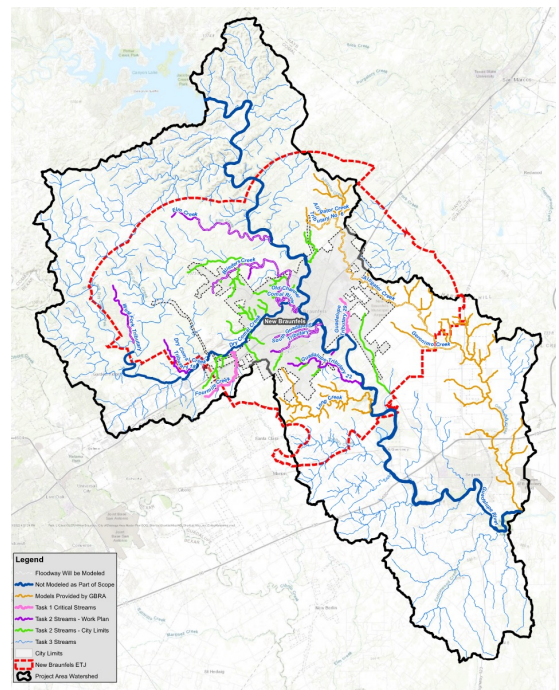
Application and Award Phases

Sources of Funding	Amount (\$)	Percent of Total Project Cost
a. Federal Funding Disaster Number: DR-4332-TX	0	0
b. Local Contribution (All cash/loan/bond proceeds/non-federal grant sources excluding FIF)	\$329,638.00	29.79
c. In-Kind Contribution (estimated value)	0	0
d. TWDB FIF Grant	\$777,143.00	70.22
e. TWDB FIF Loan Applications with a loan component <i>MUST FILL OUT</i> the loan component questions below	0	0
TOTAL PROJECT COST (equals a+b+c+d+e)	\$1,106,781.00	100%

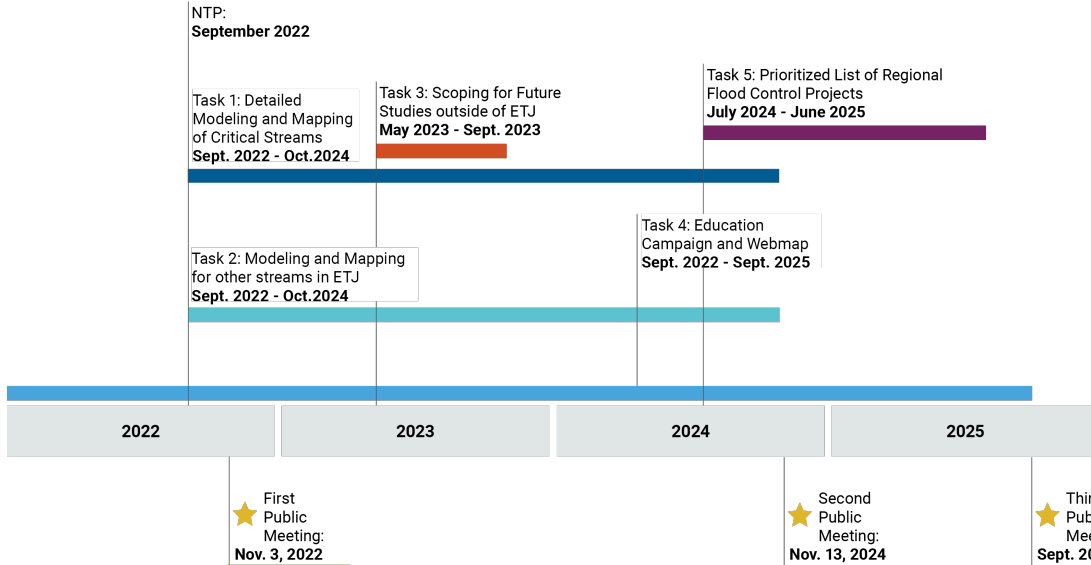
Scoping Phase

Scoping Coordination

- TWDB Commitment elements missing from Scope of Work and Budget
 - Project Administration
 - Public Meetings
 - TWDB Coordination
 - Stakeholder Coordination
- Modeling and Mapping Limits
- Changing ETJ Limits
- Survey



Project Implementation



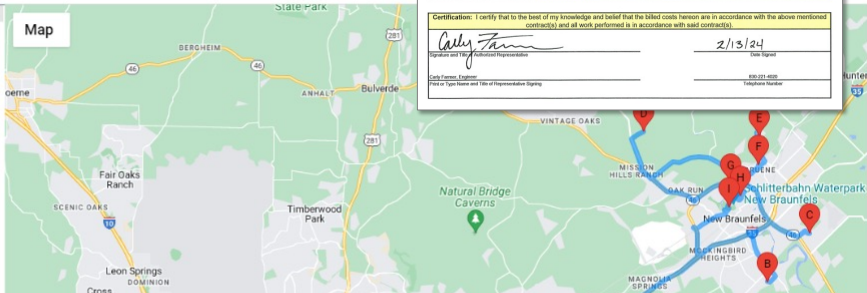
Project Implementation

Administrative Items

- Quarterly Reporting (Outlays)
- TWDB Monthly Meetings

Mileage Calculator

Waypoints	Mileage	Category
9601 McAllister Freeway, San Antonio	30.4 MI	Personal
3012 Prado Verde, New Braunfels, TX	6.7 MI	Personal
698 Saengerhutte Rd, New Braunfels	13.5 MI	Personal
860 Lone Oak Rd, New Braunfels, TX	12.4 MI	Personal
145 Spring Hollow Dr, New Braunfels	2.4 MI	Personal
1752 Cypress Rapids Dr, New Braunfels	2.3 MI	Personal
1245 River Rd, New Braunfels, TX 78131	1.7 MI	Personal
2356 Gruene Rd, New Braunfels, TX	1.5 MI	Personal
500 Elizabeth Ave, New Braunfels, TX	1.5 MI	Personal



New Braunfels Outlay Request #

Project #: 40085 Time Period Covered (This Outlay) From: 10/1/23 To: 12/31/23

Total Commitment Cost \$777,143.00 Amount of Invoice Requested \$ 116,918.25

FFI Grant disbursed as a percentage of each outlay request: 75%

Maximum portion if approved that may be paid from FFI Grant: \$87,013.69

IUP Year: 2020 (Required for RFP and FFI Programs) Is this the Final Request? Yes No

Program	Commitment	Expiration Date	Commitment Date	Outlay Date	Amount
FLOOD	01011302	10/31/2023	8/22/2021	3/11/2024	\$777,143.00
TOTAL					\$ 777,143.00

Entity: New Braunfels, City of
Entity Address: PO Box 311747
City, State, ZIP: New Braunfels, Texas 78131

Contact: Carly Farmer
Contact Title: Engineer
Contact Phone: (830) 221-4023
Contact Fax: (830) 221-4383
Contact Email: carly@newbraunfels.gov

Outlay Contact: Jennifer Gates
Outlay Contact Title: Grants Coordinator
Outlay Contact Phone: 830-221-4383
Outlay Contact Fax: 830-221-4383
Outlay Contact Email: jgates@newbraunfels.gov

Certification: I certify that to the best of my knowledge and belief that the billed costs herein are in accordance with the above mentioned contract(s) and all work performed to be in accordance with said contract(s).

Carly Farmer 2/15/24 (Date Signed)

Carly Farmer, Engineer
Print or Type Name and Title of Representative Signing

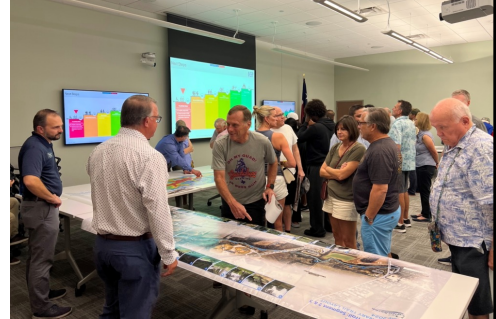
Project Implementation

Public Outreach

 Goals of the Project and Data Collection

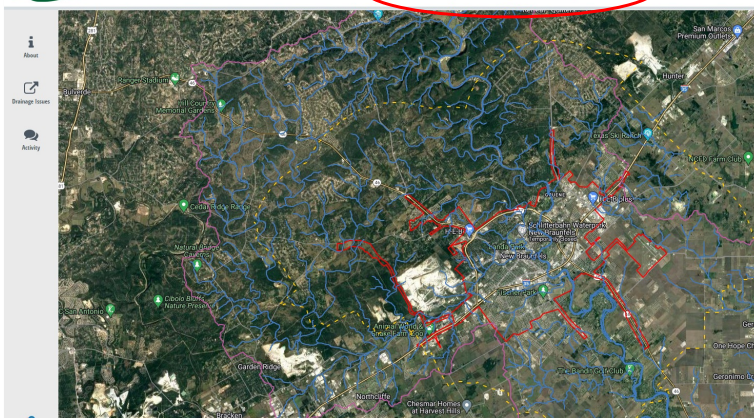
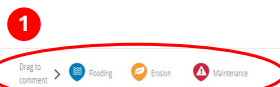
 Project Update and Solicit Feedback

 Project Summary



Project Implementation

Public Meeting #1



TRANSPORTATION & CAPITAL IMPROVEMENTS

10/21/2022

Tom Hornseth
County Engineer
Comal County
195 David Jonas Dr
New Braunfels, TX 78132

Re: New Braunfels Drainage Area Master Plan - 1st Public Meeting Notification

Dear Mr. Hornseth,

I am writing to invite you, other staff in your organization and community members within your political jurisdiction to the 1st Public Meeting on Thursday, November 3, 2022, at 6:00pm for the New Braunfels Drainage Area Master Plan (DAMP). The meeting will be held at New Braunfels City Hall at 550 Landa St, New Braunfels, TX 78130.

The DAMP has received funding from the Texas Water Development Board under its Flood Infrastructure Fund Category 1 grant program to map floodplains within the City's ETJ.

The purpose of the 1st public meeting is to solicit input on flooding problems within the ETJ. The Study Area map is enclosed with this letter. Maps of the watershed will be available at the meeting and attendees will be invited to identify where flooding problems occur using these maps.


We appreciate everyone's participation in this meeting. More participation will strengthen the planning process by providing relevant and readily available data, historical flood damage information, providing comments to the watershed study, and/or helping disseminate information to the general public.

We look forward to working with you on this watershed study.

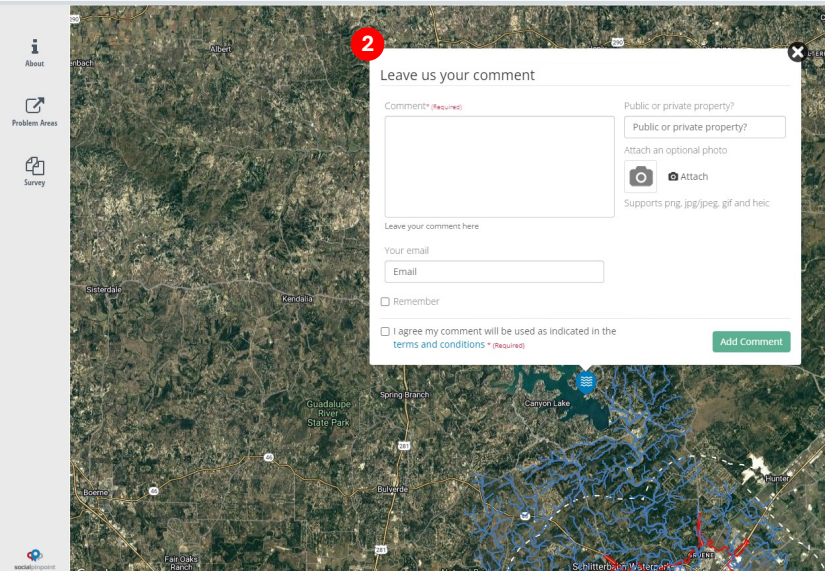
Sincerely,


Cary L. Turner
Engineer

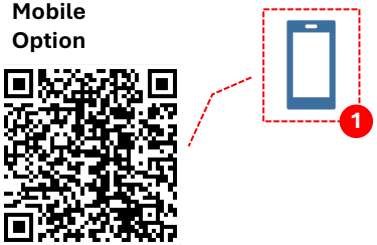
ONE CITY, ONE TEAM
830.221.4275 | 550 LANDA STREET, NEW BRAUNFELS, TX 78130 | NBTEXAS.ORG



Drag to comment >
Flooding
Erosion
Maintenance

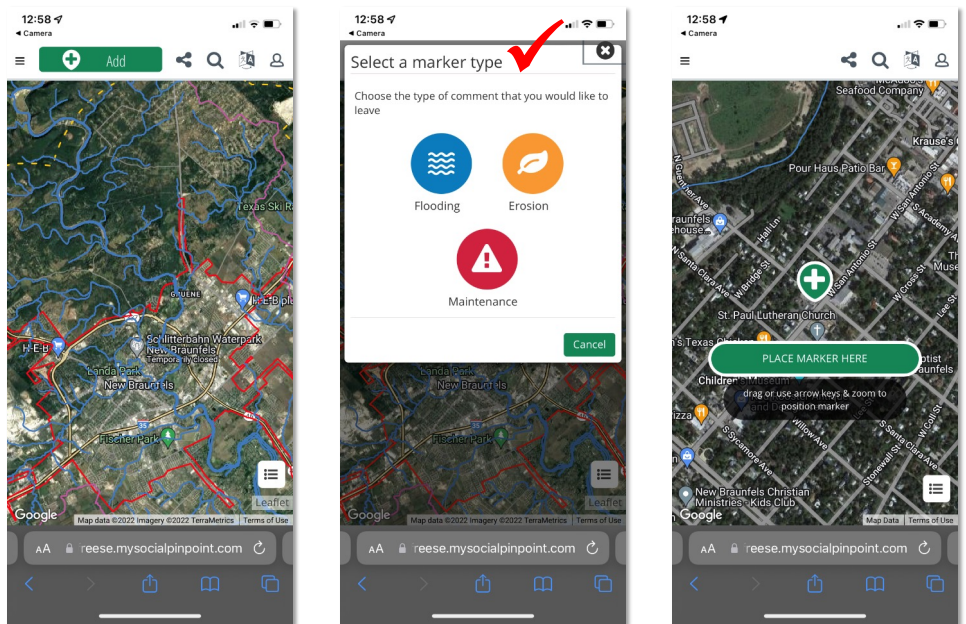


Online Feedback

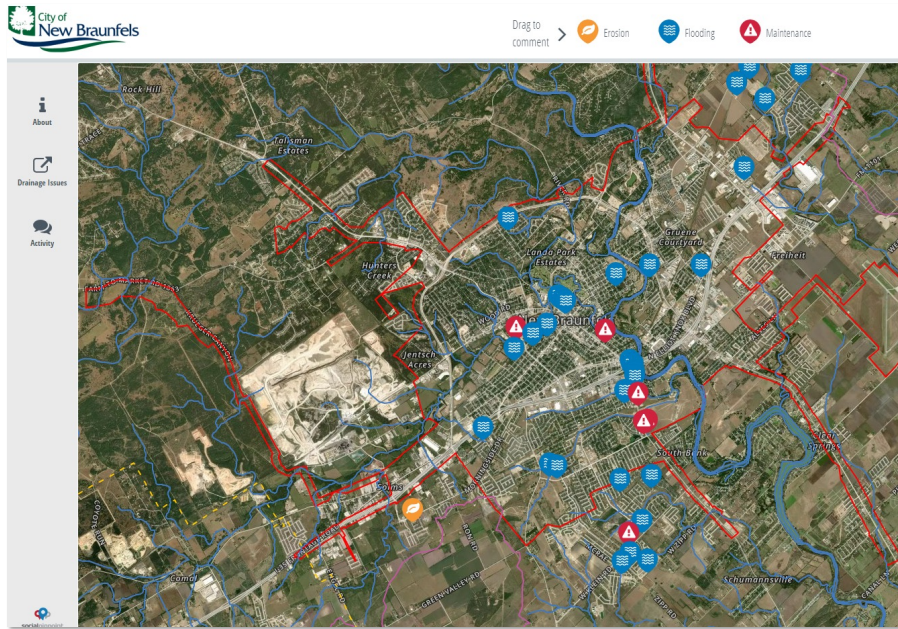


Mobile Option

Mobile Layout



Public Input Results



Project Implementation

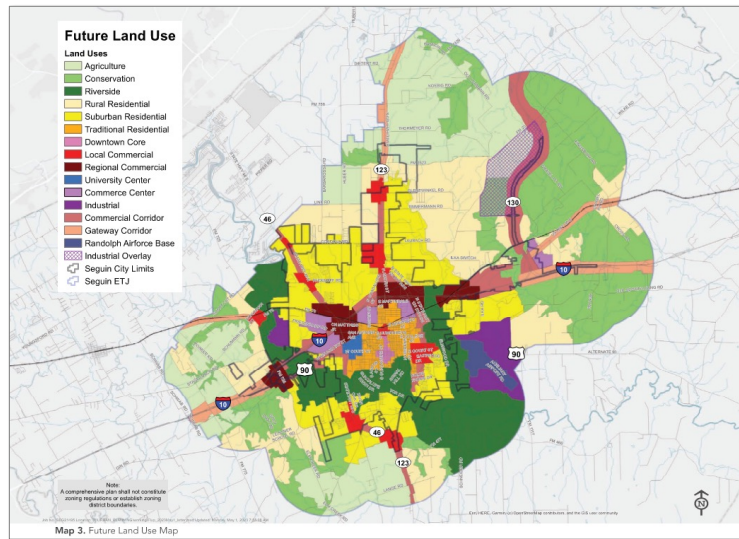
Tasks 1 and 2: Floodplain Modeling and Mapping

Stakeholder Collaboration

- Public Meeting Invites
- As-builts
- Existing flood studies
- Existing and Future Land Use Assumptions

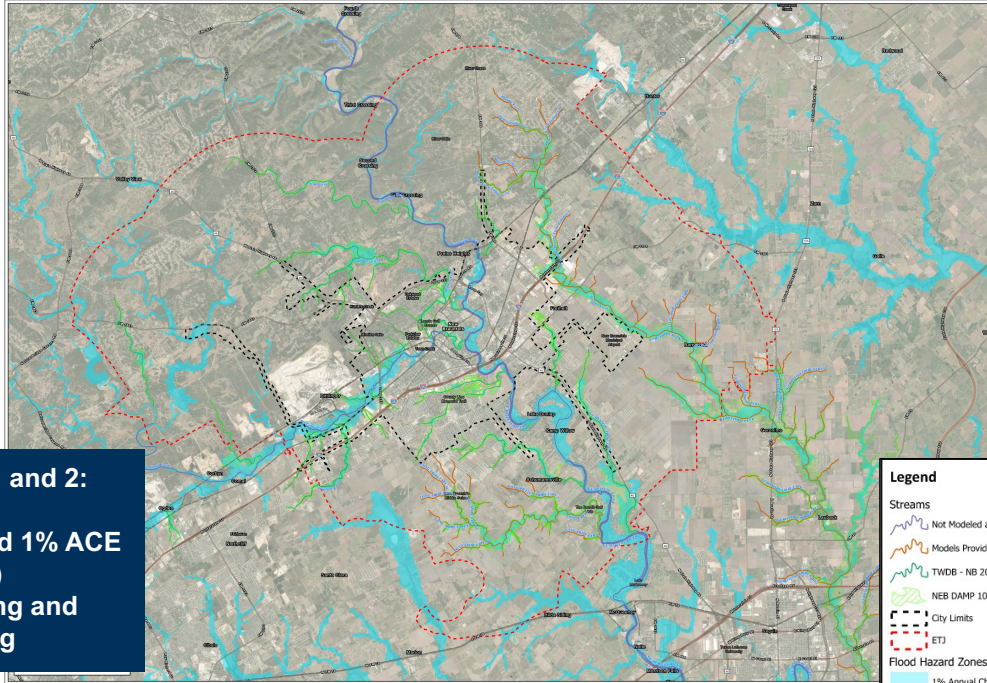
Data Collection

- GLO Coordination
- GBRA Coordination
- Survey Data



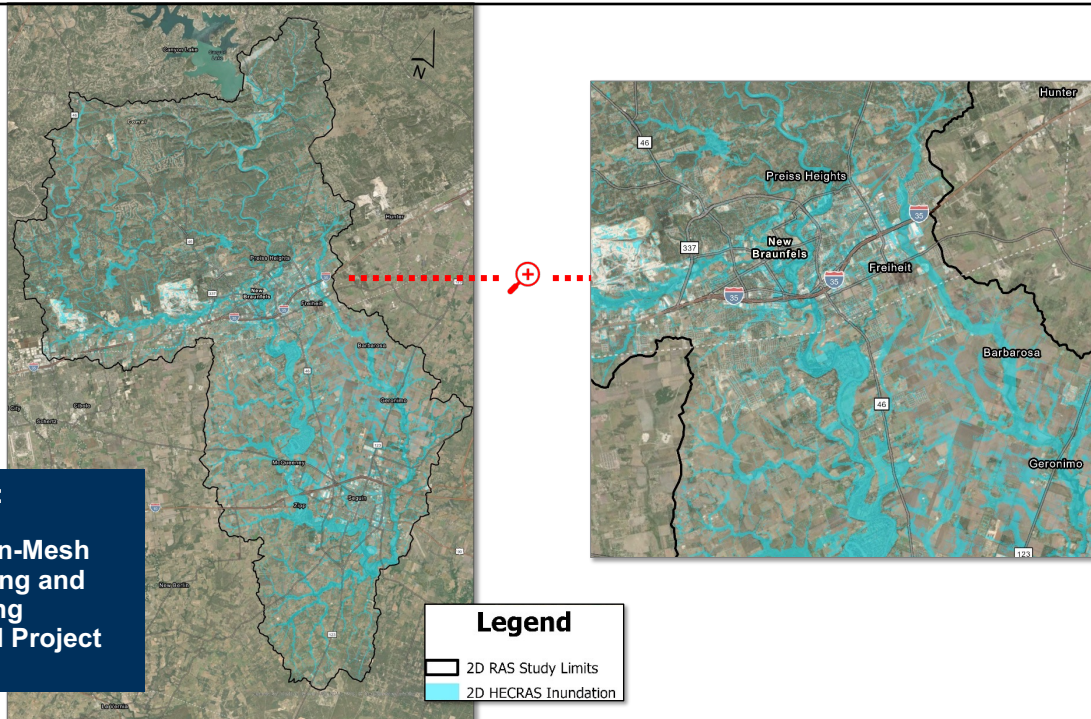
Tasks 1 and 2:

**Updated 1% ACE
(100-yr)
Modeling and
Mapping**



Task 3:

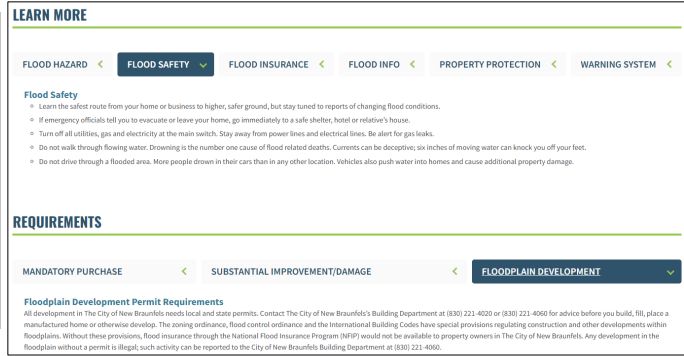
**Rain-on-Mesh
Modeling and
Mapping
for Full Project
Limits**



Project Implementation

Task 4 Education Campaign and Webmap

- Created [GIS Site](#) for reviewing and downloading available FEMA effective and LOMR models
- Adopted Atlas 14 hydrology for public and private projects
- Partnering with NBU and GBRA on One Water New Braunfels



Project Implementation

Task 5 Prioritized List of Regional Flood Control Projects



Thank you!

Carly L. Farmer, PE, CFM

City of New Braunfels

(830) 221-4023

cfarmer@newbraunfels.gov

Melissa Hislop, EIT

Texas Water Development Board

(512) 475-1725

melissa.hislop@twdb.texas.gov

Kim Patak, PE, CFM, ENV SP

Freese and Nichols, Inc.

(512) 617-3138

kkp@freese.com

