The Houston region is flat, near the coast, and has clay soils, which create substantial yet manageable flood risks. Current infrastructure and flood control funding provide state and federal funding. Additional funds to be allocated through the Inadequate Drainage Corridors. Rebuild Houston, a cash-only, pay-as-you-go Harris County Bond Election. Storms have inflicted billions in flood damages, Local Funding Shortages. Bipartisan Budget Act of 2018 allocated Acquire Corridors. Opportunities. No comprehensive regional coordination for flood control exists. A regional master drainage plan to provide a level of service that will safely convey 14 inches of rainfall runoff in a 24 hour period. Enhance the environment using green infrastructure corridors and natural channel design.

-Goals-
- Invest $2.0 billion per year regionally and $500 million per year in the WHA service area from Federal, State, and County sources.
- Create a regional master drainage plan to provide a level of service that will safely convey 14 inches of rainfall runoff in a 24 hour period.
- Enhance the environment using green infrastructure corridors and natural channel design.

-Challenges & Opportunities-
- Local Funding Shortages.
- Local Funding Solutions.
- State and Federal Funding. HCFCD and other local jurisdictions currently leverage state and federal funding programs for drainage infrastructure.
- Inadequate Drainage Corridors. Prior to 1984, Harris County did not have detailed flood maps or regulations to adequately size corridors.
- Acquire Corridors. Proactively and strategically acquire land for drainage corridors and detention areas.
- Incomplete Planning. No comprehensive regional coordination for flood control exists.
- "Drainage Thoroughfare Plan." A regional drainage plan would guide quality growth and prevent loss of critical rights of way which protect pathways for floodwaters in the Greater West Houston area and across the county to Galveston Bay.

-COSTS-
Harris County requires $35 billion to increase conveyance and detention.
Local Drainage inadequacies require an additional $6 billion.
Houston Stronger Flood Prevention Plan estimates a total need for drainage infrastructure in the region of $57.97 billion.

-FUNDING-
-Local-
- Rebuild Houston, a cash-only, pay-as-you-go model, will provide $20 billion for street and drainage repairs and improvements.
- Harris County Bond Election $2.5 billion, $900 million of which in addition to federal grants will go to complete Brays, White Oak, Hunting Bayou, Clear Creek, and other projects, $736.5 million in buyouts, $100.4 million for repairs, $150 million in new projects, and $500 million in reserve funds.

-State-
- Expand funding programs run by the Texas Water Development Board.
- Provide $1 billion in initial funding and long-term dedicated funds for infrastructure projects.

-Federal-
- Bipartisan Budget Act of 2018 allocated $89.4 billion across the country.
- Additional funds to be allocated through the Water Resources Development Act, State Revolving Fund, and other federal sources.