**Texas’ Infrastructure Report Card**

In 2017, the American Society of Civil Engineers Texas Section graded seven categories in its Report Card for Texas Infrastructure: Aviation, Bridges, Drinking Water, Flood Control, Highways/Roads, and Wastewater. These grades were derived from key facts and data points about each area of infrastructure. Flood Control and Dams are two categories of infrastructure critical to resiliency and storm management, receiving grades of D, meaning the infrastructure is poor and at risk.

**G.P.A.**

- **Flood Control**
- **Dams**

*For More Information About the Texas Report Card, Please Visit infrastructurereportcard.org/Texas*

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**Building Resilience Through Infrastructure Improvements**

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**So... How do we Raise the Grade?**

1. **Tell Congress**
   - To make large-scale federal investments in infrastructure. This will allow us to leverage federal, local, and private funding and raise the current grades.

2. **Talk About the Report Card Grade**
   - While we have made some progress, reversing the trajectory after decades of underinvestment in our infrastructure requires transformative action.

3. **Ask for Funding**
   - Write your Members of Congress and ask them to fund the National Dam Rehabilitation Program so that we can improve the current grades.

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**Recommendations**

**Dams**

- **Leadership & Planning**
  - Smart investments will only be possible with leadership, planning, and a clear vision for our nation’s infrastructure.

- **Preparing for the Future**
  - We have to utilize new approaches, materials, and technologies to ensure our infrastructure is more resilient.

- **Investment**
  - We cannot continue to defer investment in our nation’s critical infrastructure systems.

**Flooding**

- **Flood Control**
  - Fund early warning systems.
  - Develop state-wide funding programs.
  - Provide additional federal funding to update floodplain mapping throughout the state.
  - Invest in infrastructure to reduce flooding.

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**Sources**

1. ASCE | “2017 Infrastructure Report Card”
2. Harris County Flood Control District (HCFCD) | [https://www.hcfcd.org/media/2423/historytimeline-24x36_feb2018.pdf](https://www.hcfcd.org/media/2423/historytimeline-24x36_feb2018.pdf)
3. [https://tshaonline.org/handbook/online/articles/ybh01](https://tshaonline.org/handbook/online/articles/ybh01)

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**Texas has 1,212 High Risk Dams in Texas**

- **6%** of these dams have effective maintenance & inspection programs.

- Most owners lack sufficient funding to perform needed work on high hazard dams.

**The Population of Texas will more than double over the next 70 years, eclipsing 51 million in 2070.**

**The results in more development along bodies of water.**

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**Texas’ Infrastructure Report Card**

- **Flood Control**
  - **Dams**

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**Houston Through the Years**

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**Building Resilience Through Infrastructure Improvements**

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**June 2018**
Thunderstorms led to evacuation of 700 homes in Harris County along Brace Street and 1500 in White Oak near Beltway 8. downtown Houston was flooded.

1952 July: Tropical Storm flooded Houston Bayous.  A 7' 7" flood stage at 20th Street.

1958 May: A series of deadly storms over Harris County causes widespread flooding and loss of life. Over 2000 residents were swept away by floodwaters. 11" of rain fell in the area and over 150 homes were destroyed.

1967 July: Hurricane Celia causes extensive flooding in Harris County and along upper Brays Bayou.  Over 4000 homes were flooded.  The State of Texas, creates the Harris County Flood Control District.

1972 May: Tropical Storms led to evacuation of 500 homes alongupper Brays Bayou and White Oak Bayou.

1974 April: Tropical Storm Tina causes extensive flooding in Harris County.  The 20th Street Bridge over White Oak was destroyed and thousands were evacuated.

1976 May: Tropical Storm flooded Harris County.  75 homes were flooded and 100 people were rescued.

1980 September: Tropical Storm hit upper Brays Bayou.  Over 1000 homes were flooded and 5000 residents were evacuated.

1983 September: Tropical Storm floods Harris County.  Over 1500 homes were flooded and 5000 residents were evacuated.

1984 October: Hurricane Carla causes extensive flooding in Harris County.  The 20th Street Bridge over White Oak was destroyed and thousands were evacuated.

1985 July: Tropical Storm flooded Harris County.  Over 1000 homes were flooded and 200 people were rescued.

1989 September: Tropical Storm Hugo causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

1992 August: Tropical Storm Floyd causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

1995 August: Hurricane Mitch causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

1998 September: Tropical Storm Floyd causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

2000 August: Tropical Storm Hugo causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

2004 August: Tropical Storms cause extensive flooding in Harris County.

2017 August: Hurricane Harvey causes extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

2018 August: Tropical Storms cause extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

2019 August: Tropical Storms cause extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.

2020 August: Tropical Storms cause extensive flooding in Harris County.  Over 1000 homes were flooded and 2000 residents were evacuated.