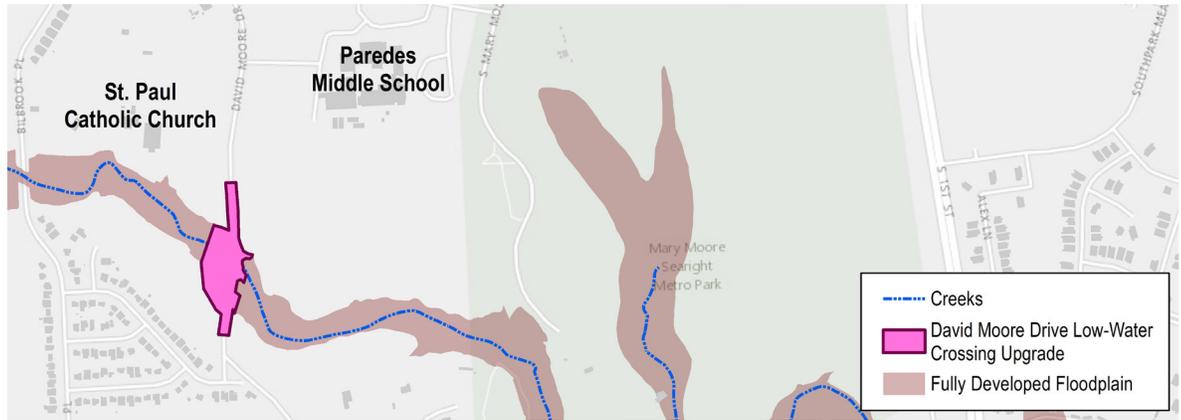




David Moore Drive

Low-Water Crossing Upgrade



This project is located in far south Austin, where David Moore Drive crosses a tributary of Slaughter Creek. David Moore Drive, which was annexed from Travis County jurisdiction in the 1990s, primarily provides access to Paredes Middle School and St. Paul Catholic Church. Prior to upgrading the low-water crossing, David Moore Drive overtopped during storms as small as a two-year storm and the depth of flooding during a 100-year storm reached approximately 4.5 feet. In essence, this roadway acted as weir during larger storms, posing a serious flood hazard. Consequently, David Moore Drive was routinely closed during storms.

The street also serves as secondary access to 14 residential subdivisions south of the low-water crossing. When David Moore was inaccessible due to flooding, there was only one available access route to more than 800 buildings within these subdivisions. If the primary access became inaccessible during a storm, emergency responders would not be able to access the subdivisions.



David Moore Drive before (left) and after (right) the project's completion

The objective of the project was to reconstruct the low-water crossing to meet current City standards, meaning that it must safely convey the 25-year storm and have no more than 6" overtopping the roadway during a 100-year storm. A precast concrete span and four concrete culverts were used to replace the three existing undersized culverts. For a lower initial cost, these modular concrete bridges require less material than cast-in-place structures and require very little maintenance. Installation is also faster than cast-in-place structures, which minimizes road closings and detours. To improve the overall safety of David Moore Drive, the crossing was also upgraded with new sidewalk and safety railing. Construction was completed in 2014.



LINKS

- **Road Closures Due to Flooding**

Before you get behind the wheel, look up which roads are closed due to flooding in real time on ATXfloods. Available on your mobile or desktop computer.
www.ATXfloods.com

- **ATXfloods Alerts**

A free service to receive phone messages, texts, or emails about flooding. You can choose to be alerted for a specific creek or all of Austin's creeks.
www.ATXfloods.com/Alerts or www.ATXfloods.com/alertas.php (en español).

- **Emergency Notifications**

Register your cell phone with the Central Texas region's emergency notification system, which may be used to alert the public about many different types of emergencies.
www.capcog.org/divisions/homeland-security/regional-notification-system-registration

- **Flood Safety and Preparedness**

Austin is in Flash Flood Alley. Be alert to the dangers of flooding both at home and on the road.
www.austinfloods.org

FOR MORE INFORMATION

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