

Flood Warning System Update



SEPTEMBER 15, 2025

PUBLIC WORKS DEPARTMENT

Presentation Outline



- ☐ Background
- ☐ System Overview
- ☐ Next Steps

Background



- July 22, 2024, City Council directed funding for flood warning equipment be added to the FY24-25 budget
- February 17, 2025, City Council authorized equipment purchase and installation
- Goals: Improve public safety by providing advanced warning to motorists and quickly alert staff for manual closure of low water crossings
- August 4, 2025, installations completed at all three locations
 - ☐ S. Fox Lane
 - ☐ SE Tarrant & W. Miller
 - ☐ SW Hulen Street

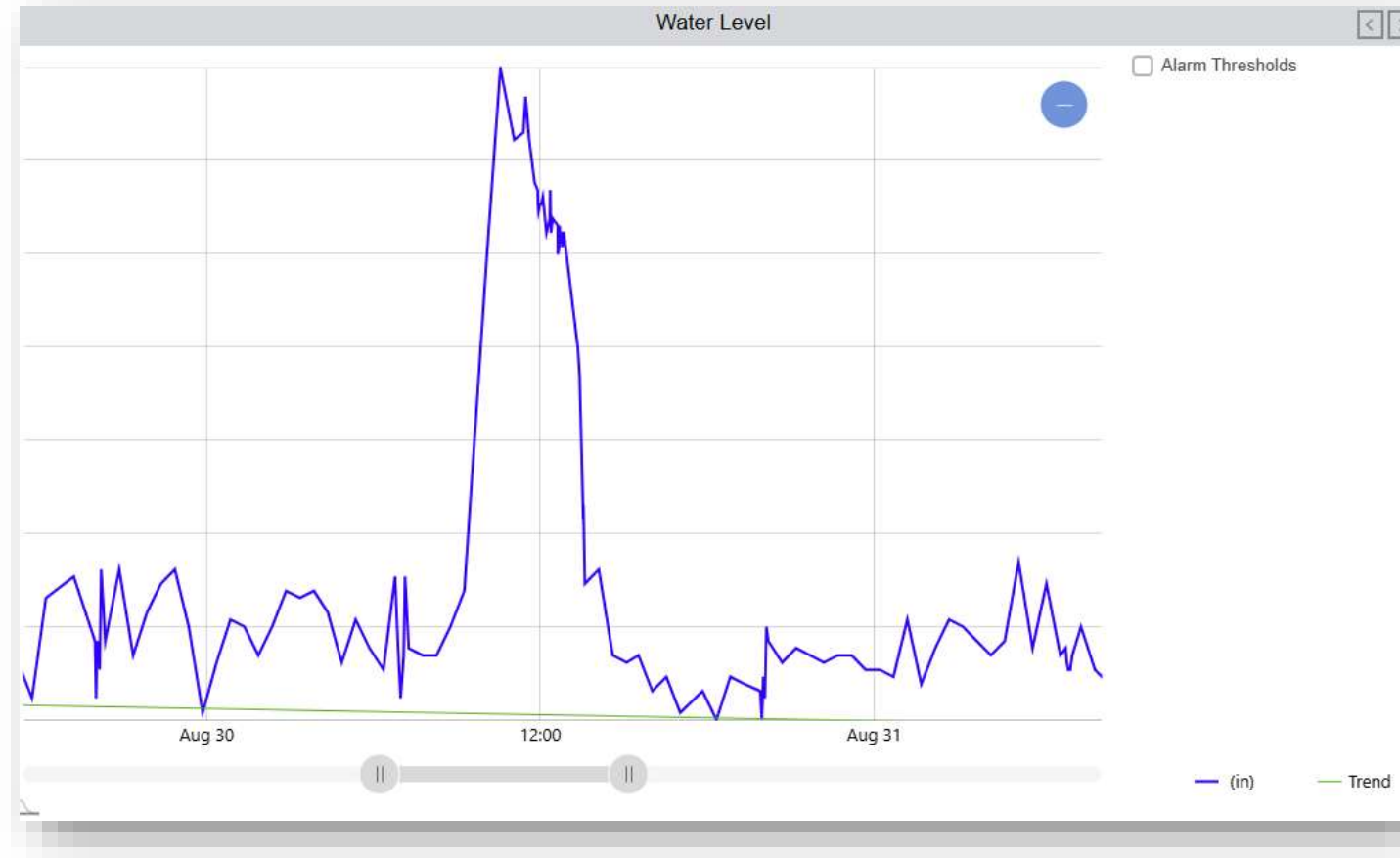
Water Level Monitoring

- Advanced cameras constantly monitor for water levels
- Cellular communications transmit status
- Solar power plus battery backup for redundancy



Central System

- Routine sensor communication every 30 minutes
- Increasingly more frequent communication once sensors detect water and as water levels rise
- Facilitates routine testing of field devices
- Expandable system for additional future locations



SE Tarrant Site from August 30, 2025

Advanced Warning

- Assemblies installed in advance of crossings allowing drivers an opportunity to turn around when activated
- Cellular communication with corresponding water level monitoring station and central system
- Solar powered with battery backup at each location for redundancy
- Flashing lights activated remotely once programmed water level thresholds met

Public Safety Dispatch and Public Works notified when system activated for closures at Hulen and SE Tarrant (S. Fox cannot be closed without a connection to Hidden Creek Parkway)



Flood Warning System



What's Next?

- Continue monitoring legislative activity in Austin and Washington, D.C.
- Continue monitoring Texas Water Development Board and other potential funding partners for opportunities to continue implementation of projects identified in drainage master plan and studies



Questions / Discussion

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