ITS Texas Fall 2025

WHEN THE SKY FALLS:

ENHANCING TRANSPORTATION RESPONSE WITH INCLEMENT WEATHER TABLETOP EXERCISES

Kate Reichard, P.E.
Representing Kimley-Horn

Allyson Richey, P.E. Representing City of Austin



HOW DID WE GET HERE?

WINTER STORM URI

- February 11th February 21st, 2021
- Single costliest natural disaster in the history of Texas (\$195B)
- Spurred series of after-actions by department, aimed at increased preparedness due to devasting, widespread storm impacts...

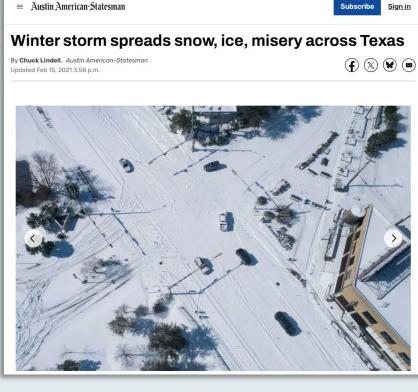














HOW DID WE GET HERE?

Primary focus: Need to practice procedures and increase awareness of resources







DEFINITION AND PURPOSE

- A winter tabletop exercise is a discussion-based session in which team members and partner agencies walk through a simulated winter emergency scenario.
- The goal is to evaluate plans and procedures for responding to winter-specific incidents.
- Participants discuss their roles, responses, and strategies in a guided scenario to identify strengths, weaknesses, and areas for improvement in their emergency response plans.







CRITICAL COMPONENTS

- Establish base conditions to simulate
- Mix of staff with different of roles and experience levels
- Format and day-of logistics
- Involve all types of resources
 - Hardware (snowplows, battery back-ups, salt, generators, temporary stop signs, etc.)
 - Communication channels
 - Food and water
- Injects with challenges to put policies and standard operating procedures to the test
- Follow-up deliverables







Set the stage

Phase	Scenario Timeline	Scenario/Inject	Objectives/Questions to Discuss	Category	Group
	2:00 PM	It is 2:00PM on a Friday. There have been warnings of	Here we are looking for a plan to check the signals	Resource &	Both
		upcoming freezing rain overnight, expected to start around	(by priority) and distribute generators (by	Communication	
		11:00pm. Temperatures have been at or below freezing for the	priority); how do we oganize this with field staff?		
		last 72 hours and ERCOT has announced a power shortage and	Is there a way to monitor 311 or police radio to		
		the need to conserve power. Rolling blackouts have just gone	learn more without deploying people? If the		
		into effect and it is unclear how long they will last and how	distribution of signals is uneven across the City		
		widespread they will be.	how do we balance? What is the plan for taking		
Phase			vehicles home in preparation for deploying into		
		118 signals have lost communications.	the field the next morning after the storm?		





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	2:10 PM	80% of staff anticipated for this shift have made it in.	Practice rebalancing the teams on the fly.	Resource	Both
	2:50 PM	Need to give Executive an update.	Work on communications - explain how	Communication	Both
			prioritization is done; explain how we deploy		
			limited resources. Explain difference between dark		
			signals and communications down.		





Storm Event





Kimley»Horn

Date & Time of Last Refresh: 11/10/2025 9:36:48 AM

Current Status:

Dark	Knock
	Downs
0	
	Dark

Cumulative Stats:

Total Flash	Total Confirmed	Total Knock	
Events	Dark	Downs	
14	0	0	

Total Events:

Total Signals	Total	Total Reset	
Impacted	Dispatched	Remotely	
14	9	5	

This report is set to refresh every 30 mins from 6am-8pm each day.

Temporary Traffic Control:

BBU	Generators	Stop Sign Assemblies
0	0	0

Cumulative Temporary Traffic

Control Stats:

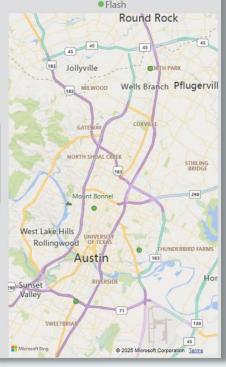
Total BBUs	Total Generators	Total Stop
Activated	Deployed	Sign
		Assemblies
\cap	\cap	_
U		

% Reset Remotely



Abraham N/a Rolando Rubio

Current Signal Outages



Signal Name	Tier	Priority Rank	Status	Treatment
N Mopac/Parmer	1	17	Dark	Generator
Ben White/Brodie	1	7	Dark	Generator
Metric/Parmer	2	78	Dark	Stop Sign
Tech Ridge/Yager	2	83	Flash	
183/Manor	2	62	Dark	Generator
Tech Ridge/Canyon Ridge	2	104	Flash	
Parmer/Dallas	2	27	Comm Loss	
360/Westlake	2	70	Comm Loss	
Loop 360/Stonelake	2	123	Comm Loss	
360/Research	2	92	Dark	Generator
2222/360	2	56	Dark	Stop Sign
Amherst/Parmer	2	74	Flash	
William Cannon/Brush Cou	3	222	Dark	Stop Sign
Yager/Lamar	3	204	Comm Loss	
Ben White/Menchaca	3	190	Dark	Generator
183/Duval	3	179	Dark	Generator
Howard/Wells Branch	3	219	Dark	Stop Sign





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	3:00 PM	All resources are deployed	Now we will see how we operate when resources are limited		
	1	The freezing rain has started much earlier than expected. Schools have announced an early release. People are have begun to leave work early.		Resource	Both
		A 311 call reports that the Northland & Shoal Creek light is out but we have a generator there.			
	2	You lose contact with a team in the field. They aren't responding to texts or phone calls. You	Practice using radios. Do we send someone to	Safety	Both
		last heard from them 2 hours ago when you dispatched them to Northland & Shoal Creek.	check on them?		
		Follow-up			
7		Group A: Their geotab location shows them at Northland & Shoal Creek , but it hasn't moved			
Phase		there due to lack of comms.			
		Group B: Their vehicle was a rental so you cannot see their geotab location. They were			
		dispatched to Northland & Shoal Creek, Burnet & Koenig, and Lamar & 24th.			
	3A	Congress & Oltorf, 2222 & Mesa, Burnet & Braker have generators but are now offline.	Prioritize distribution of working generators. Are	Resource	Group
			the vehicles carrying generators also carrying stop		Α
		Follow up: Generator at 2222 & Mesa has died and won't start.	signs? How long does a team in the field		
			troubleshoot before moving on to the next signal?	•	
	3B	Vehicles ran over the temporary stop signs at Lamar & Braker and Brodie & Davis. We don't	Prioritize distribution of stop signs and SMD staff.	Resource	Group
		have any more available.			В









WE SURVIVED!





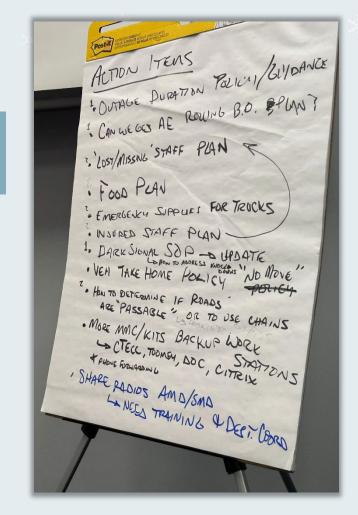
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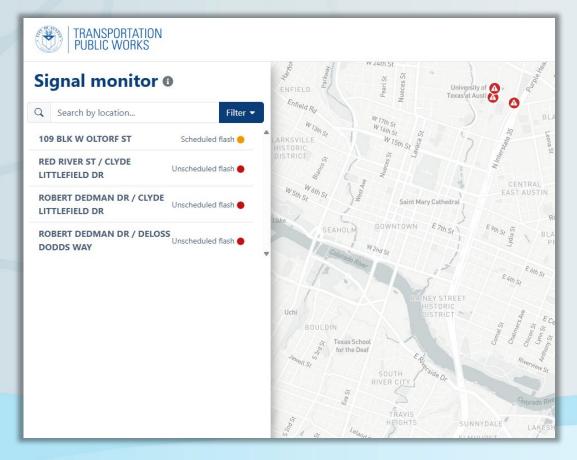
LESSONS LEARNED

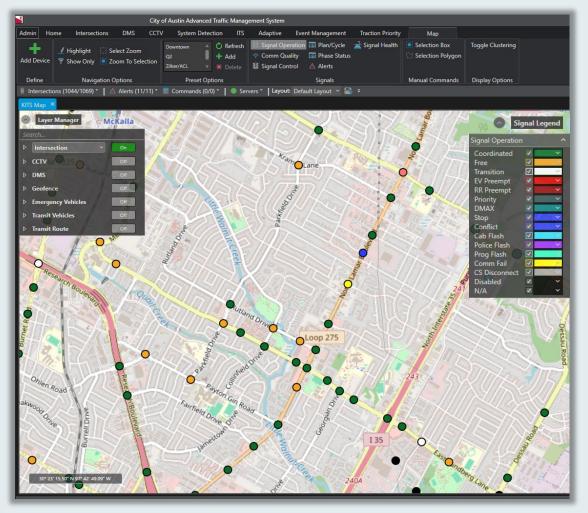
Physical engagement



LESSONS LEARNED

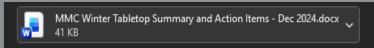
- Physical engagement
- Maps to track simulated resource deployments





LESSONS LEARNED

- Physical engagement
- Maps to track simulated resource deployments
- Ownership of action items and follow through



Below are the action items from the AMD/SMD Tabletop exercise. Please provide an update as able to these items.

- Update Dark Signal SOP Lance Ballard, Brian Craig COMPLETE
- 2. Staff Support
 - a. Lost or Missing Staff Plan Chris Williams, Billy Bolander, Brian Craig, Lauren Seyda
 - b. Vehicle Take-Home Policy Chris Williams, Billy Bolander, Brian Craig, Lauren Seyda
 - c. Food Plan Billy Bolander, Chris Williams, Lauren Seyda, Brian Craig
 - d. Emergency Supplies for Trucks Billy Bolander, Lauren Seyda
 - e. Road Conditions Guidance Lewis Leff
- 3. Equipment
 - a. Add additional backup workstations for MMC Henry Zuniga, Lance Ballard In Progress
 - i. MMC staff are investigating additional <u>work station</u> locations at Toomey Rd and potential SBO DOC in coming weeks
 - b. Handheld Radio Communications Billy Bolander, Lauren Seyda
- 4. Communications Coordination with TPW SBO Lewis Leff, Kimmi McMinn
 - a. How can SBO field crews provide MMC team updates on signal status

Thanks,



Lance Ballard P.E.

Mobility Management Center (MMC) Manager Transportation and Public Works lance.ballard@austintexas.gov

QUESTIONS?

KATE REICHARD KATE.REICHARD@KIMLEY-HORN.COM

ALLYSON RICHEY@KIMLEY-HORN.COM

