

# Fixed Route Service Models

Pandemic response with reduced operators

A presentation to the TMTA Board of Directors



# Goals

- Be prepared to modify service in case of significant loss of operators
- Model service based on various levels of available operators
- Maintain maximum service with available operators
  - Support critical workforce transportation
  - Support Topeka's economy
  - Other Essential trips
- Scale service in a way that maintains critical connectivity for employment and medical needs

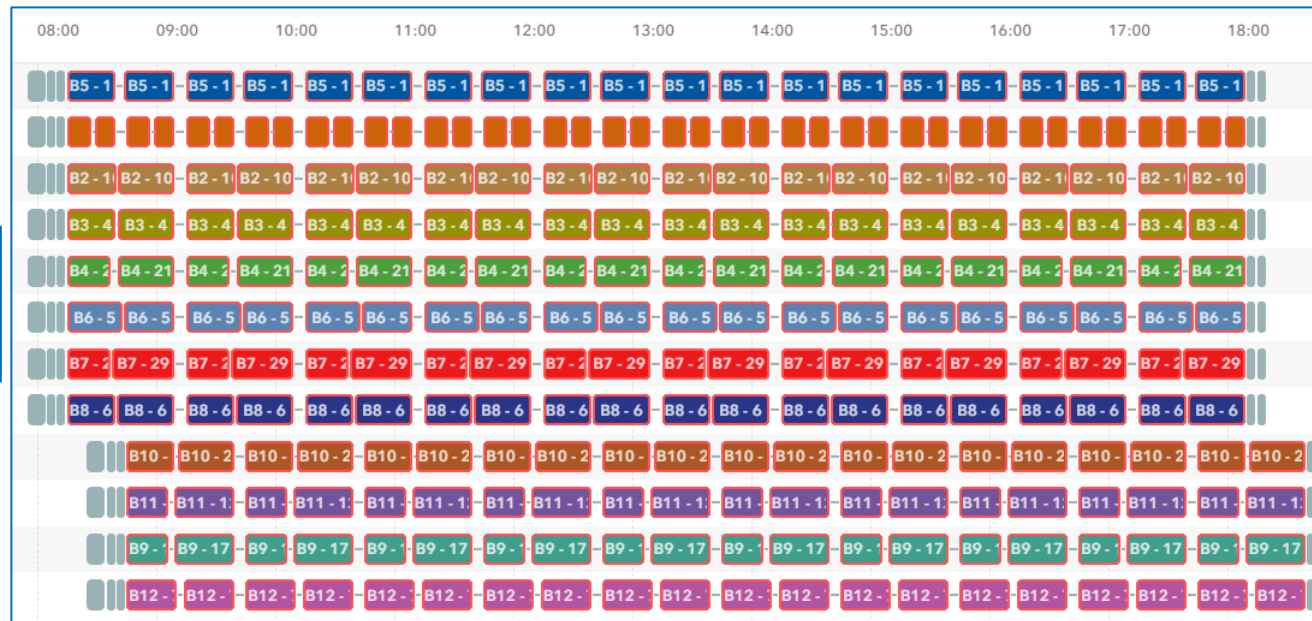
*These models are frameworks that will need to be built out and modified with a situational awareness of the “on-the-ground” reality as the current events progress.*

# Six days of “Saturday” service

Service blocks are 10.4 hours long, 8 am to 6 pm, one-hour headway

- Option 1: Operators work four of the six service days weekly
  - 42 hours weekly
  - Requires 20 fixed route operators (plus show ups)
- Option 2: Operators work five of the six service days weekly
  - 52 hours weekly
  - Requires 15 fixed route operators (plus show ups)

Sample of possible service blocks



# Extensive Service Reduction

Blocks are 12 hours long, all routes interlined, two-hour headway, 7 am to 7 pm

- Option 3: Operators work three of the six service days weekly
  - 36 hours weekly
  - Requires 12 fixed route operators (plus show ups)
- Option 4: Operators run four of the six service days weekly
  - 50 hours weekly
  - Requires 10 fixed route operators (plus show ups)

Sample of possible service blocks



# Estimated Staffing Levels

Current Operators				
44				
	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Fixed route	20	15	12	10
Show Up	3	3	3	3
Lift	3	3	3	3
Total Operators	26	21	18	16
<i>Maximum absenteeism*</i>	41%	52%	59%	64%

\* The maximum percentage of the full operator workforce who can be unavailable for any reason under this scenario