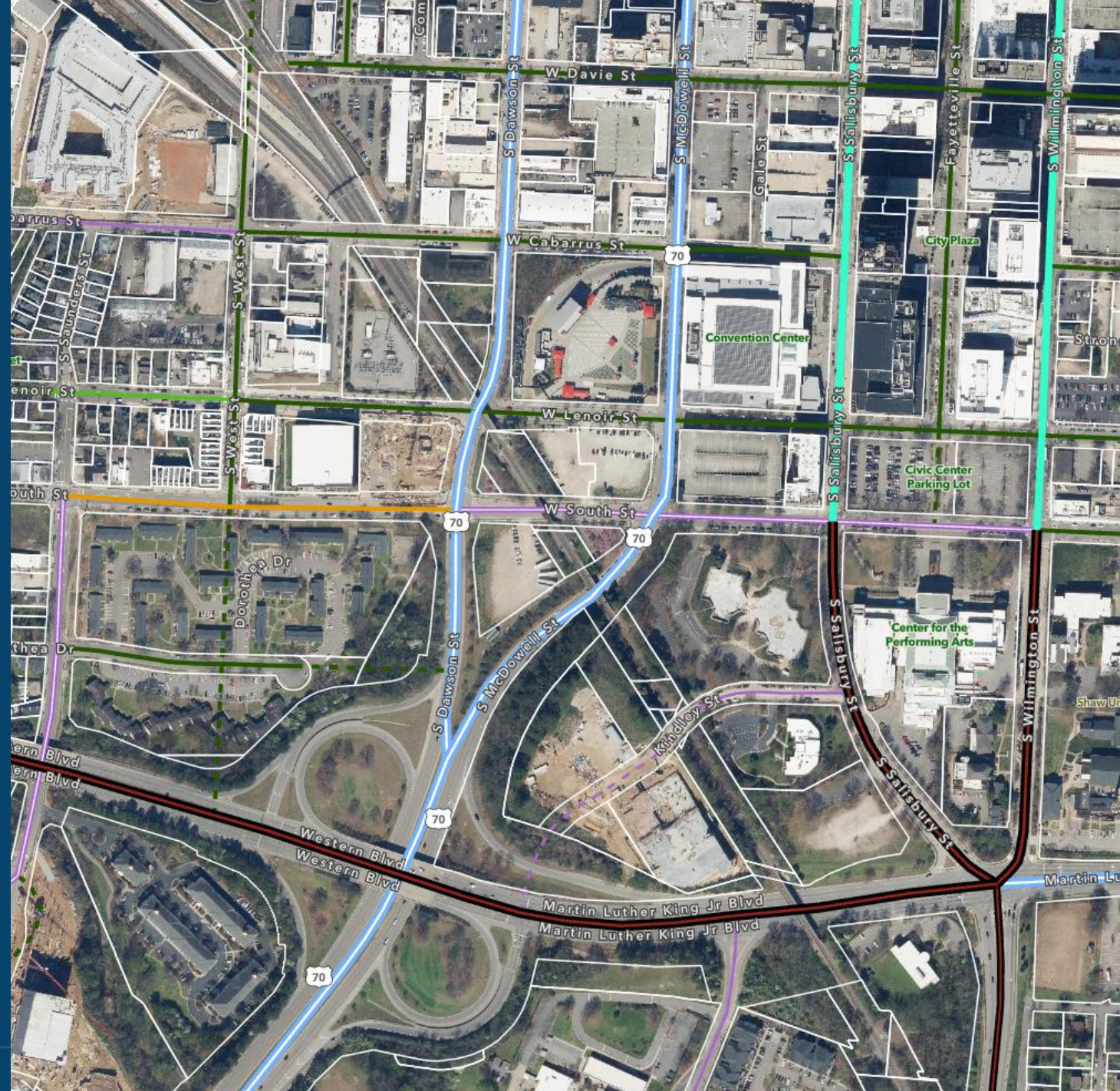


# Traffic Projections for the Downtown Network & Southern Gateway

South Street Community Open House  
September 9, 2024



Raleigh



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Strategy & Development Administrator

Transportation Department, City of Raleigh

[bradley.kimbrell@raleighnc.gov](mailto:bradley.kimbrell@raleighnc.gov)

Q&A: Submit Questions on Note Cards. Will be answered after the 15-min presentation.





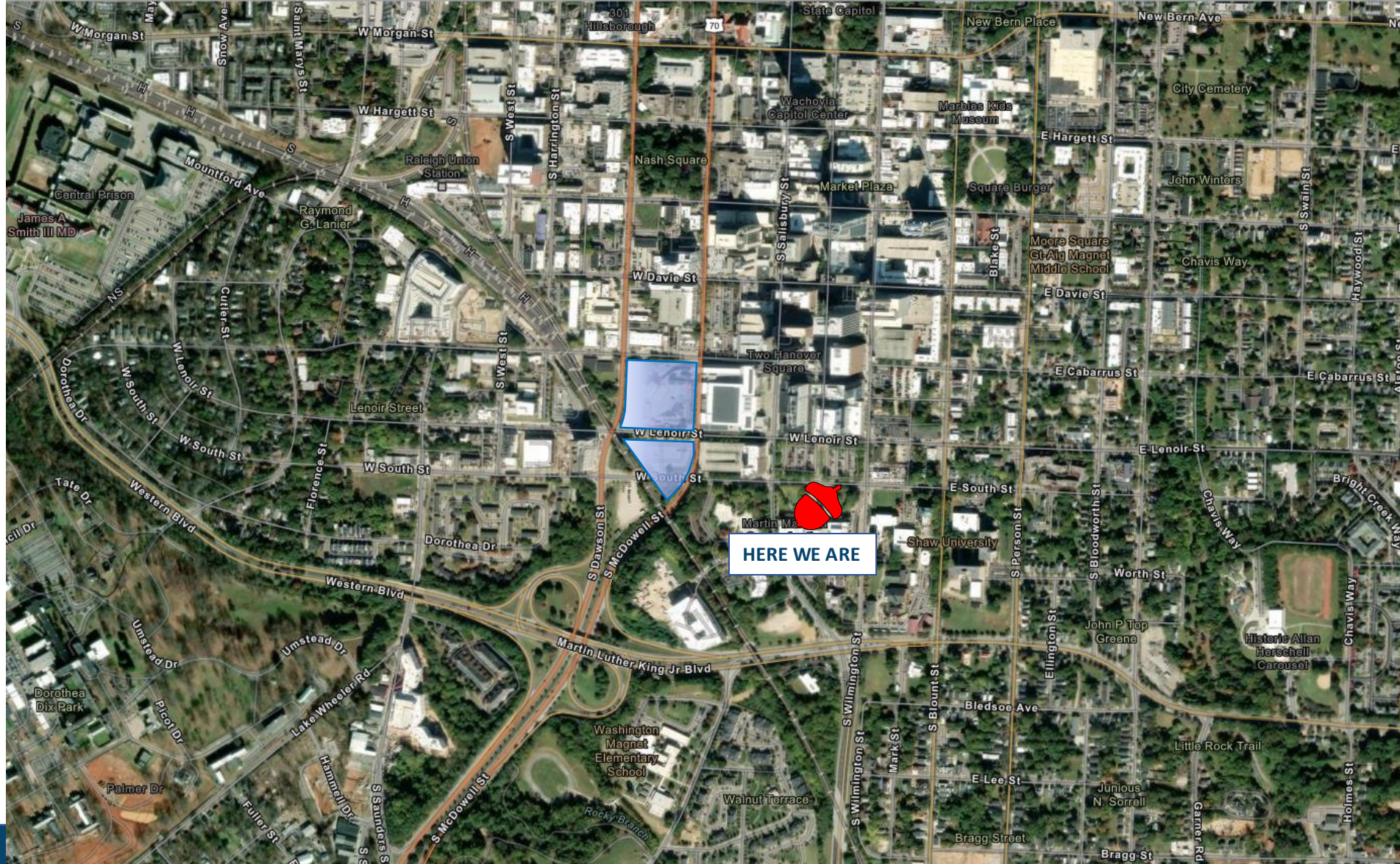
# Agenda

- Introductions & Format
- Downtown Network Grid Overview
- South Street Closure
  - Volume to Capacity analysis
  - Dawson-McDowell Connector
- Other Downtown Network Changes & Timing
- Transit Route
- Questions





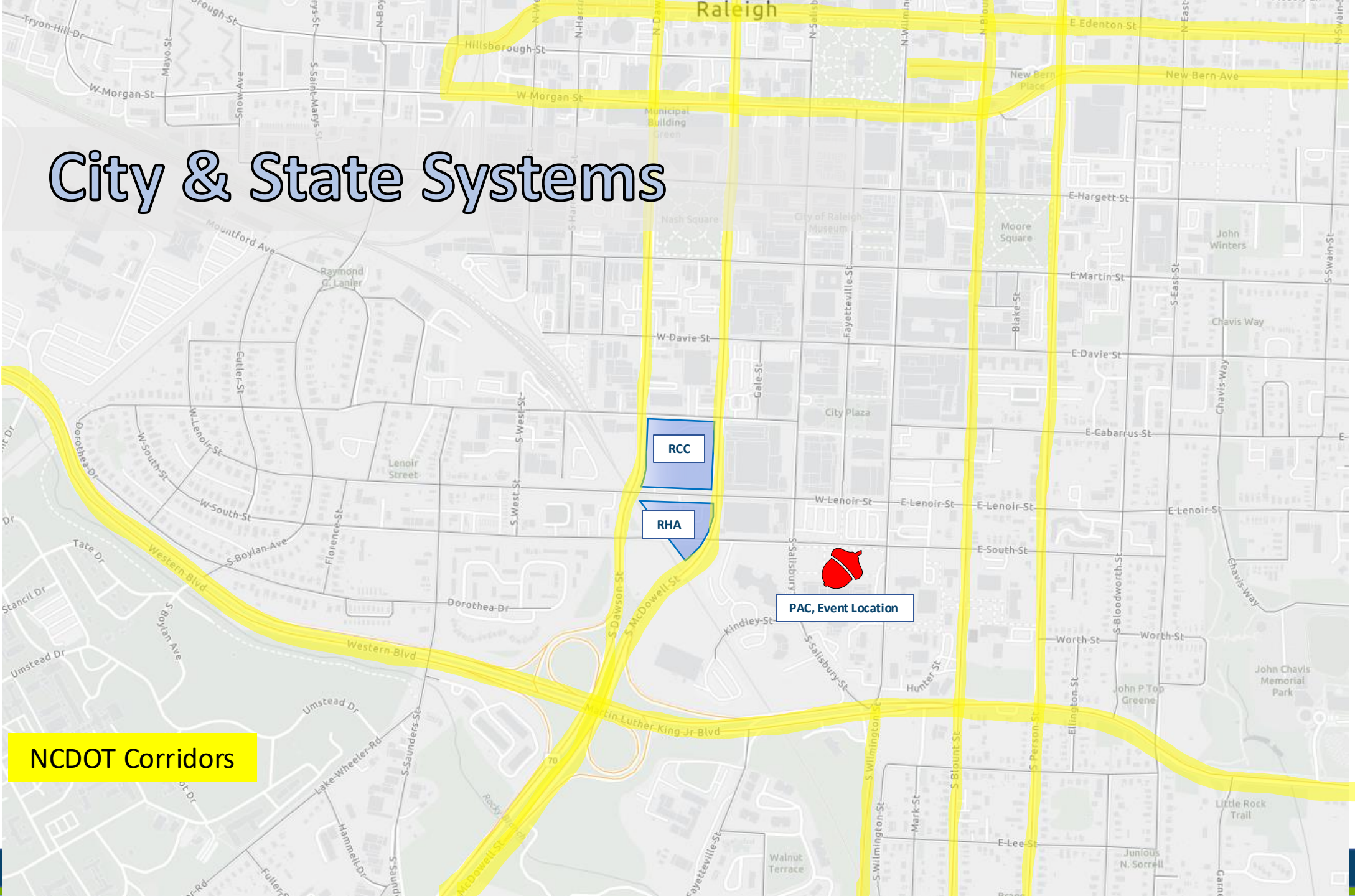
# Downtown Network







# City & State Systems



NCDOT Corridors

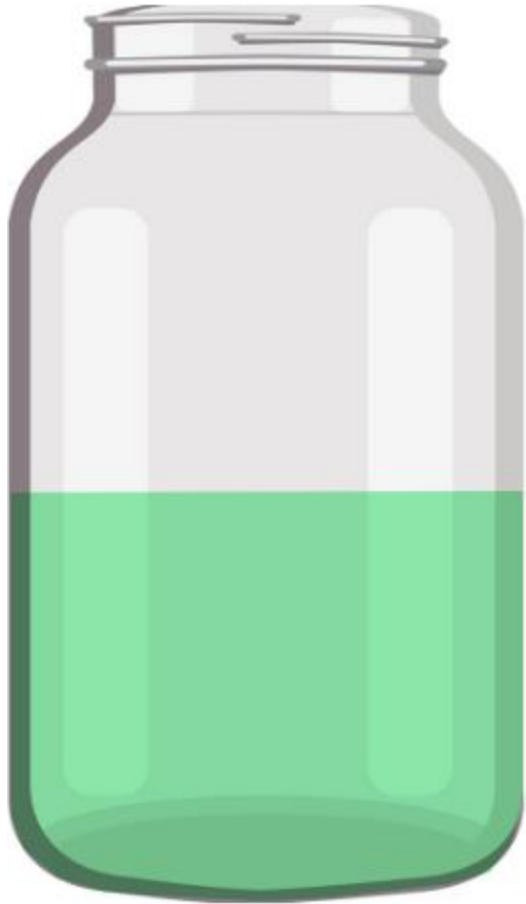




# Site & South Street Closure



# Volume To Capacity



Under Capacity



Near Capacity



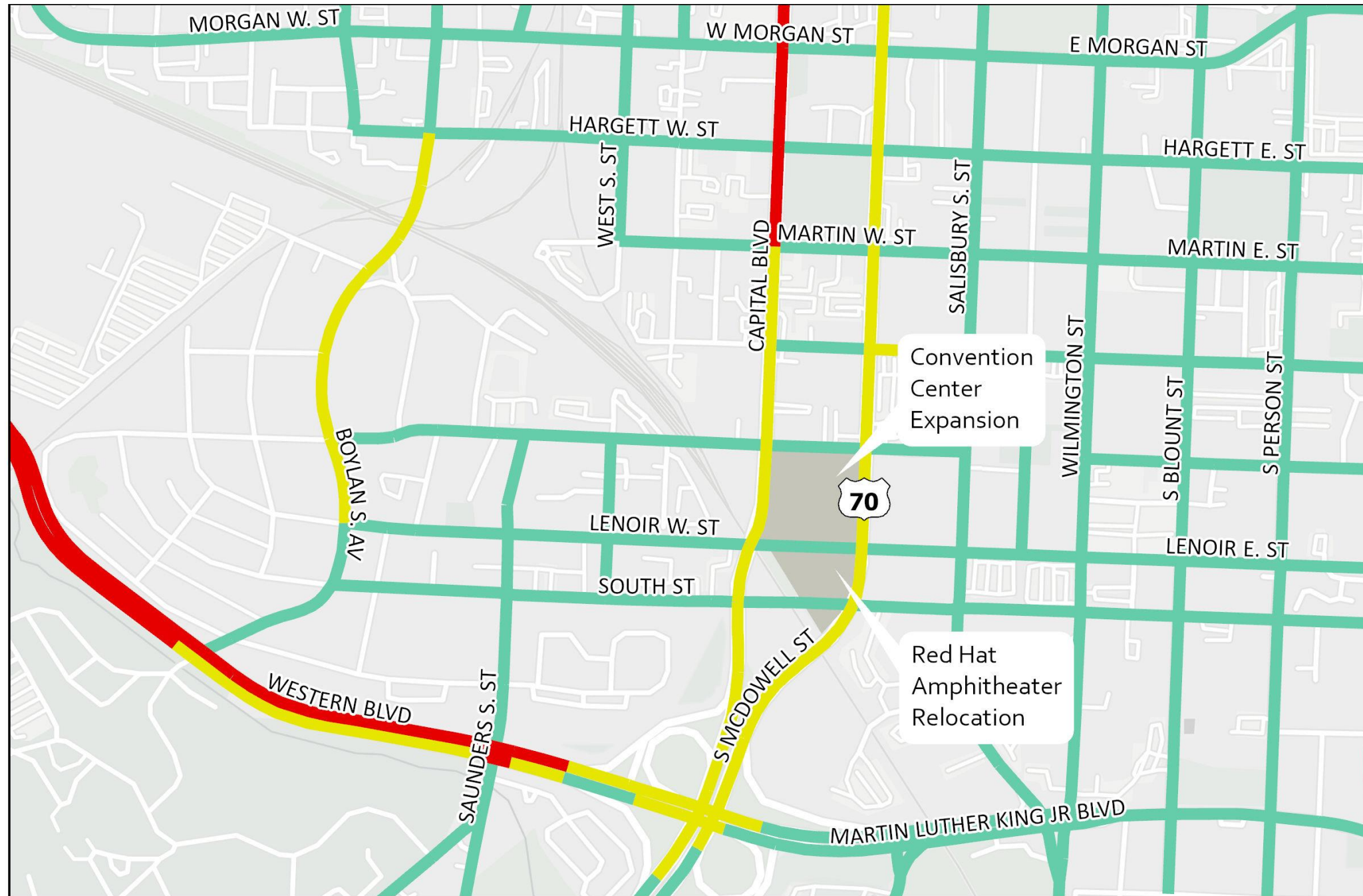
Over Capacity



# 2050 Baseline Capacity Analysis

## Volume/Capacity

- █ Under Capacity
- █ Near Capacity
- █ Over Capacity







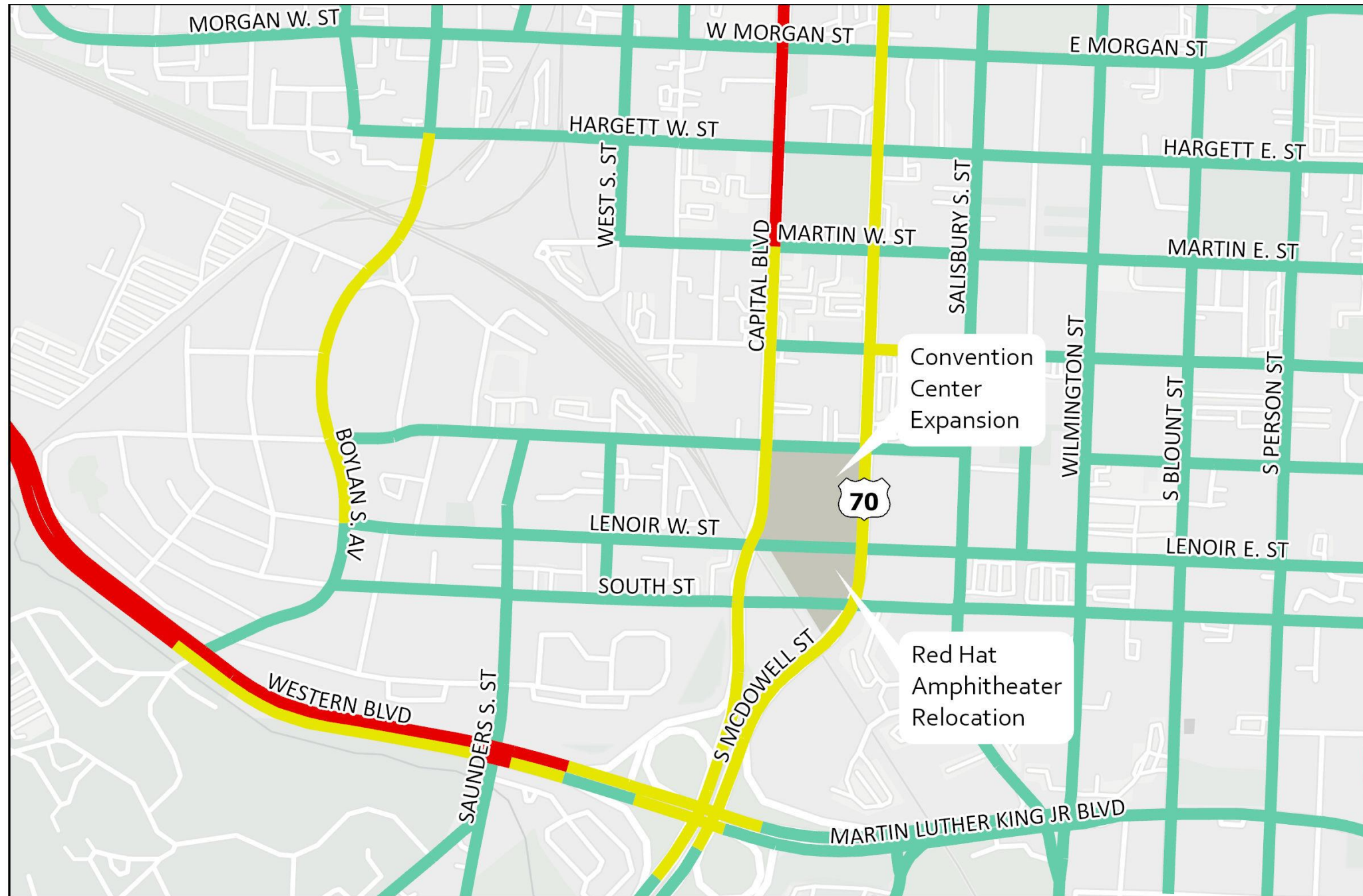
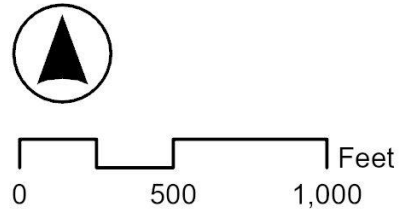


# 2050 Baseline Capacity Analysis

## Volume/Capacity

- █ Under Capacity
- █ Near Capacity
- █ Over Capacity

**REPEATED  
BASE (2050)  
FOR QUICK  
REFERENCE**






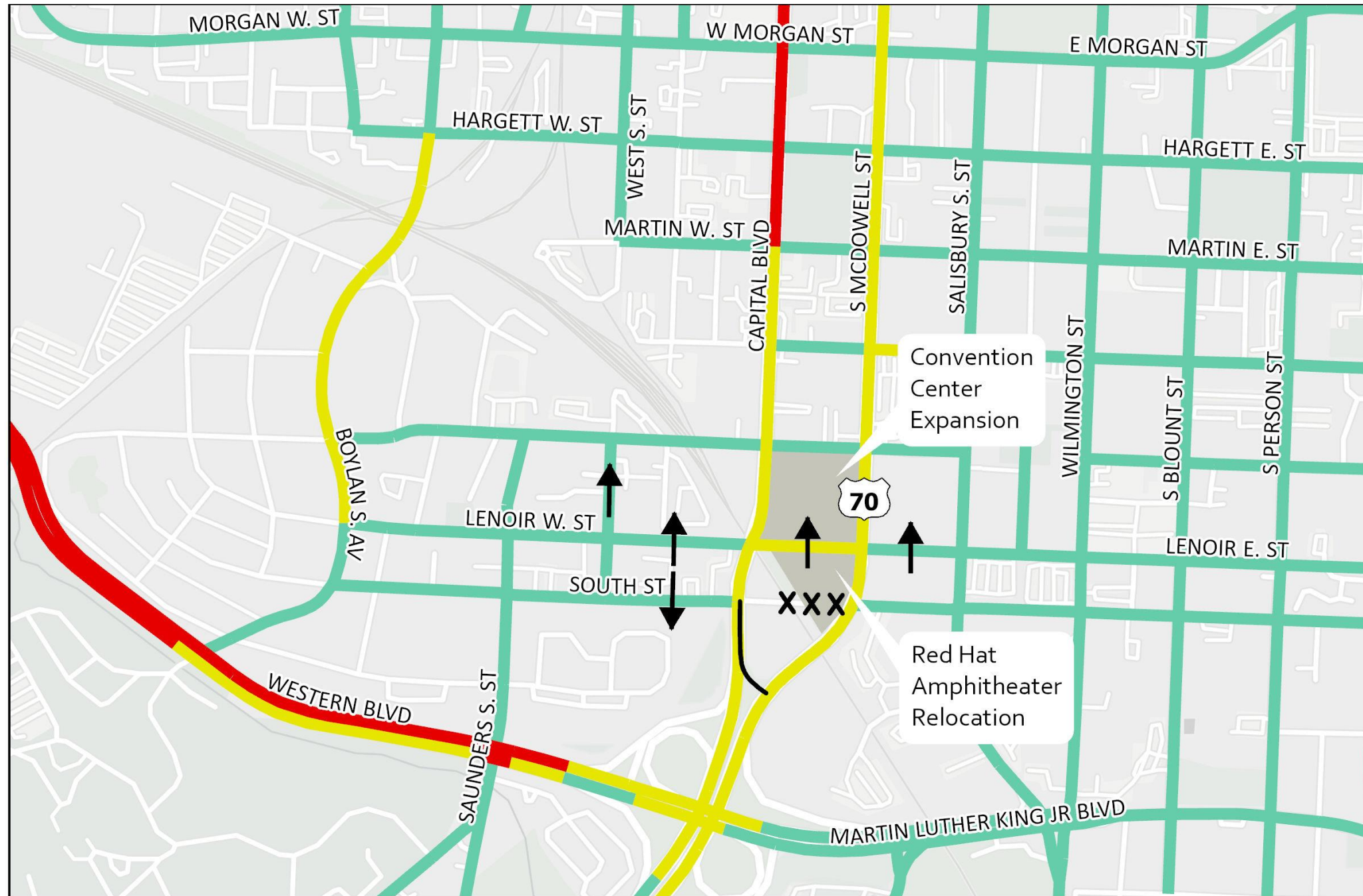
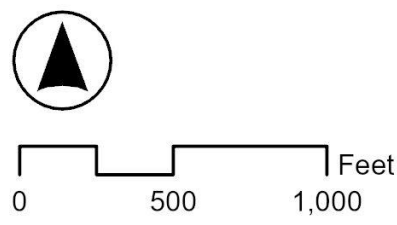


# 2050 Scenario 1 Capacity Analysis

## Volume/Capacity

- █ Under Capacity
- █ Near Capacity
- █ Over Capacity

- X X X Road Closure
-  New Connector
-  Volume Increase
-  Volume Decrease



# 2050 Scenario 2 Capacity Analysis

## Volume/Capacity

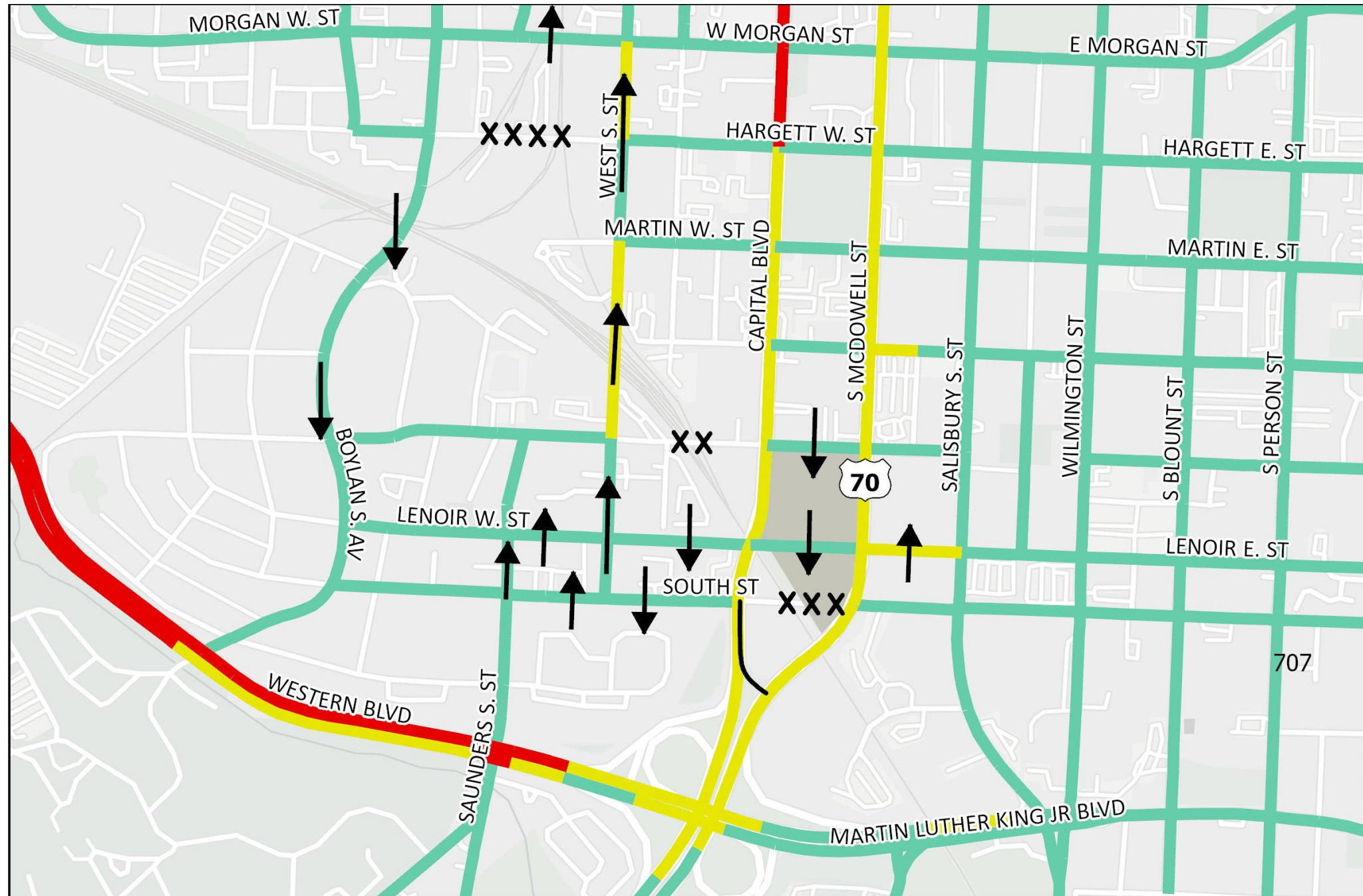
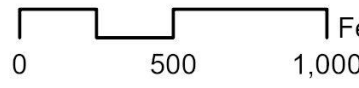
- █ Under Capacity
- █ Near Capacity
- █ Over Capacity

X X X Road Closure

New Connector

Volume Increase

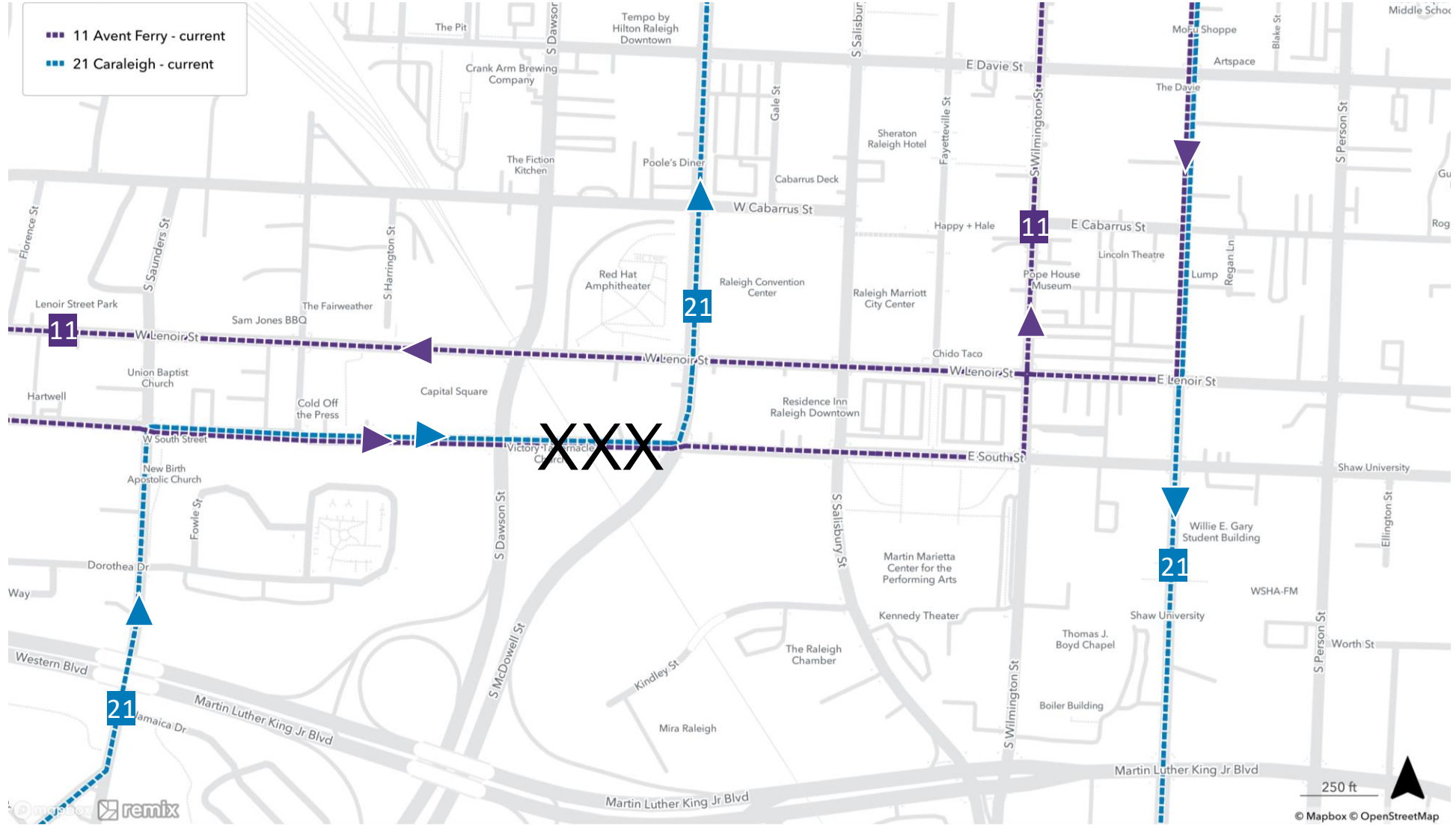
Volume Decrease

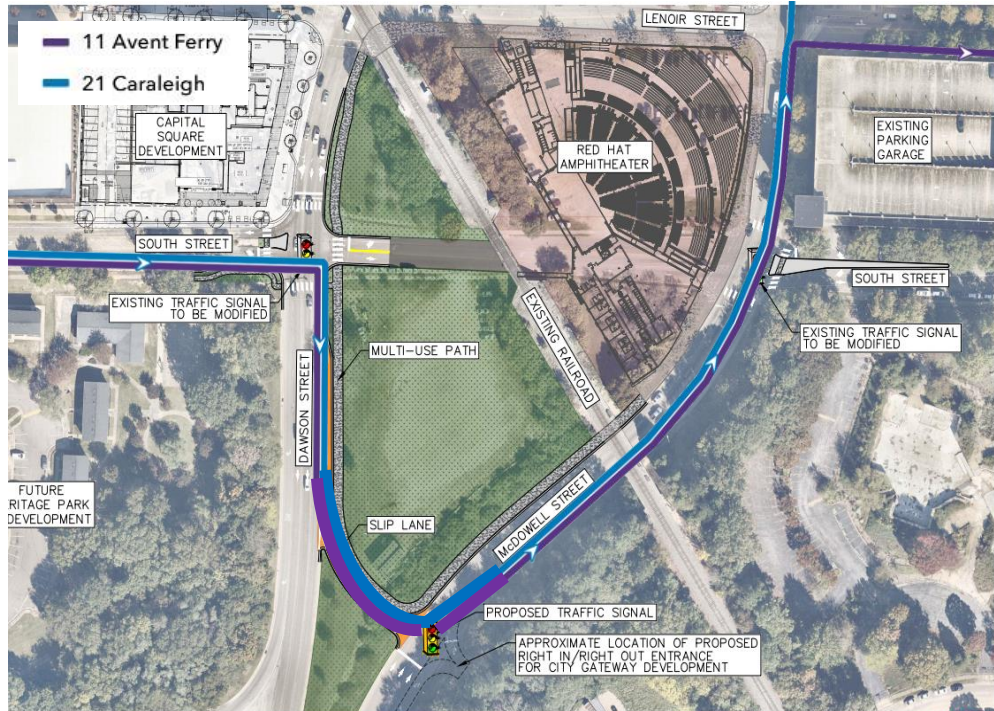






# Transit: Current Routes Impacted





Option 1: Routes 11 & 21 Inbound **use Connector** - from South Street turn right on Dawson, use Connector to McDowell and then return to regular routes.



Option 2: Routes 11 & 21 Inbound turn left on West Street before Dawson, **use Lenoir Street** back to the regular routes.

**\*2 Options, to be reviewed & authorized by Raleigh Transit Authority**



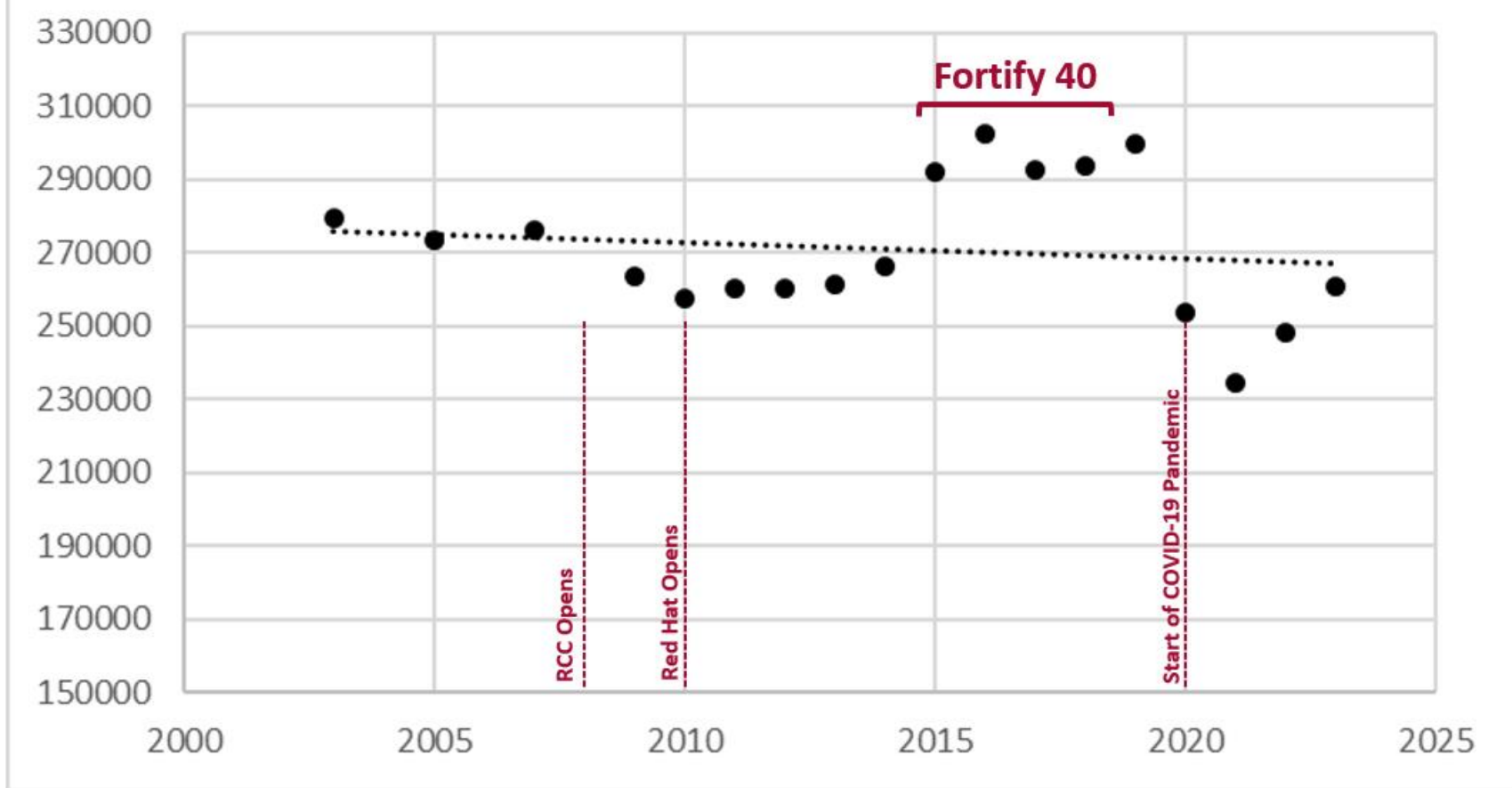
Questions

Backup Slides



# Historical Traffic Data Review

Historical Downtown Raleigh AADT






- Number of housing units Downtown has doubled since 2000.
- 1.8M SF of office and 500K SF of retail completed Downtown since 2015.



# Existing (2023) Capacity Analysis

## Volume/Capacity

-  Under Capacity
-  Near Capacity
-  Over Capacity

