



Capital Project Update: The Drone Perspective

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AZTA Annual Conference
November 16, 2021



Overview



Existing Transit Corridor



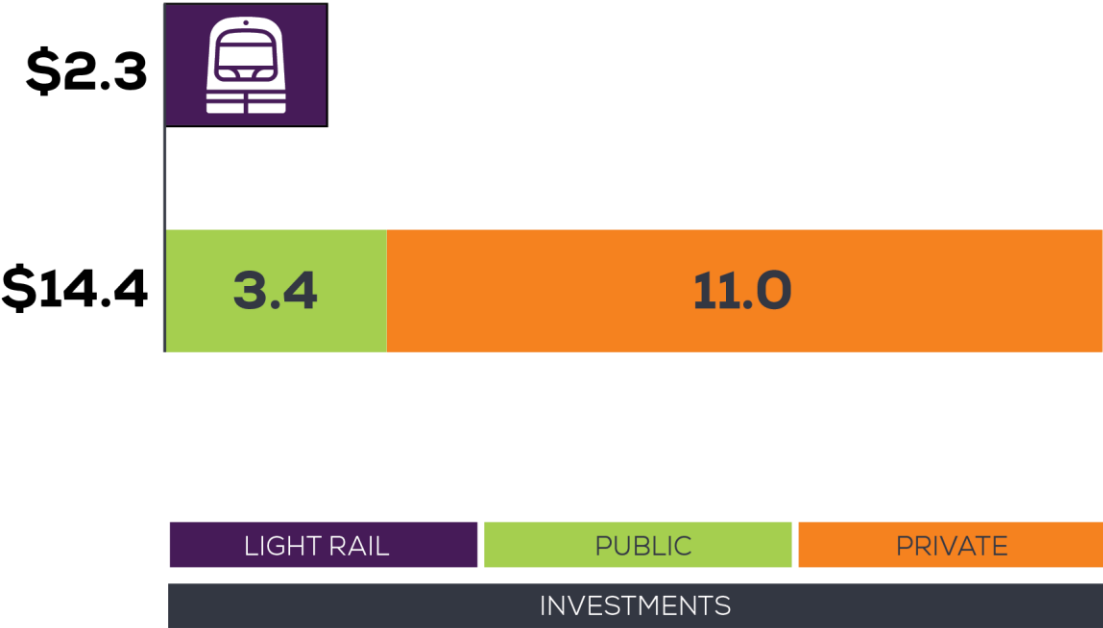
Future Transit Corridors



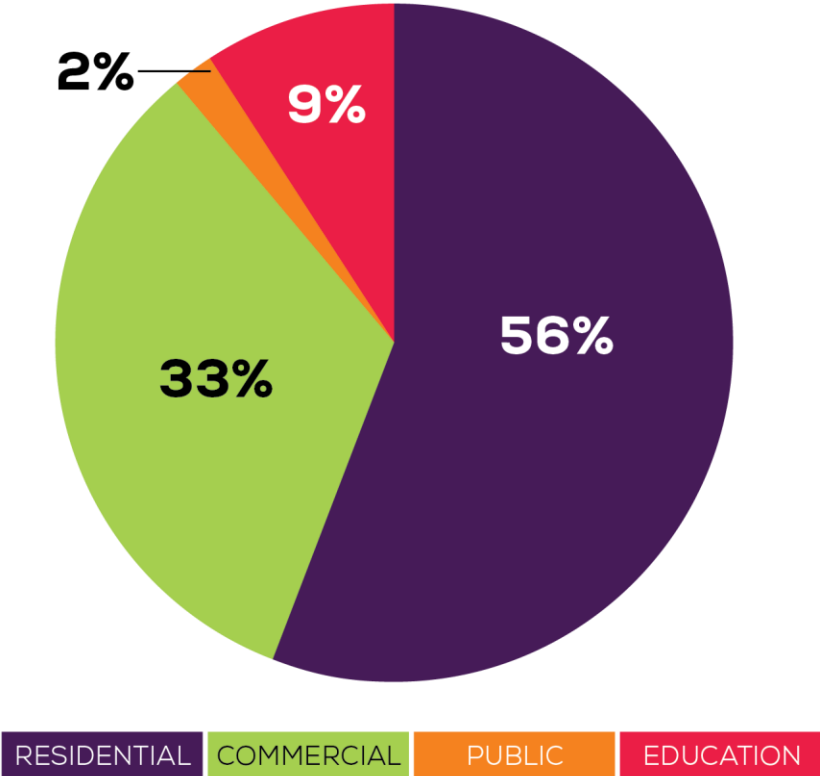
Economic Investment



Capital Investments
[billions]



Development Breakdown



Source: As of Summer 2020

Economic Investment

Phoenix – Civic Space Park



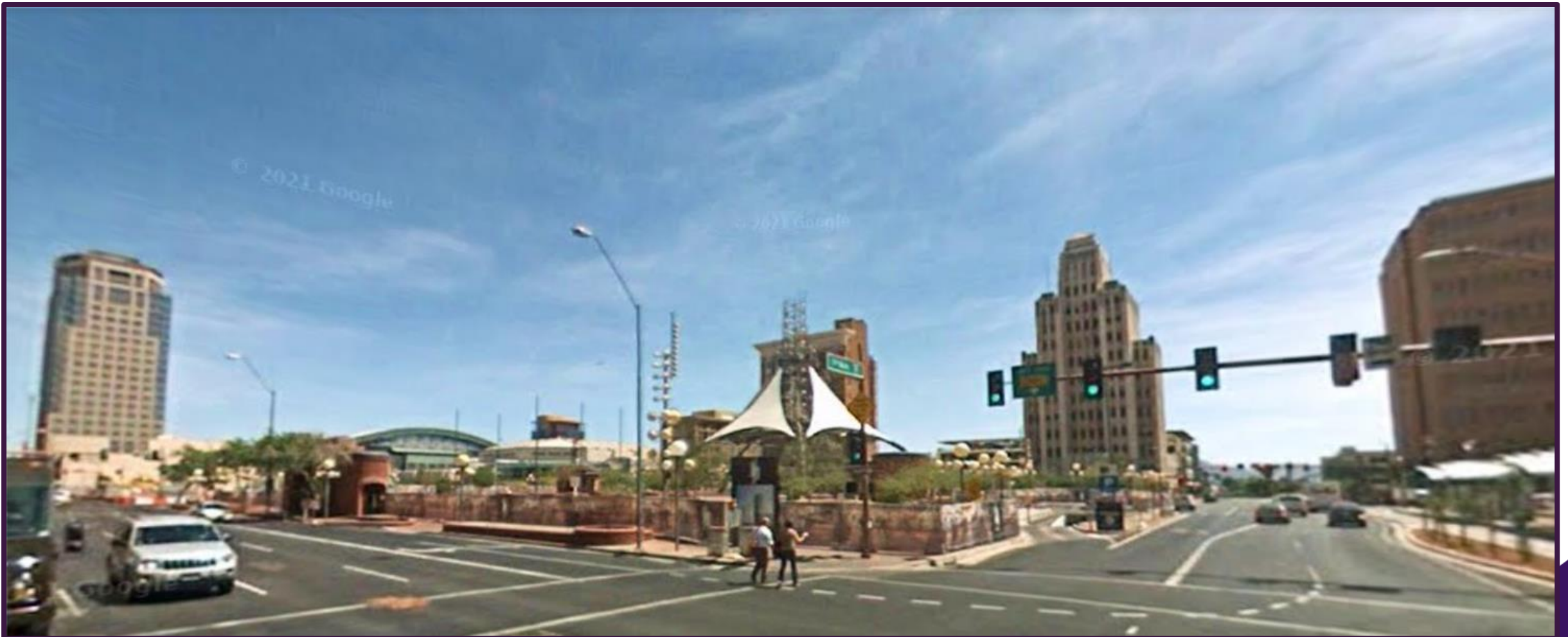
Economic Investment

Phoenix – Civic Space Park



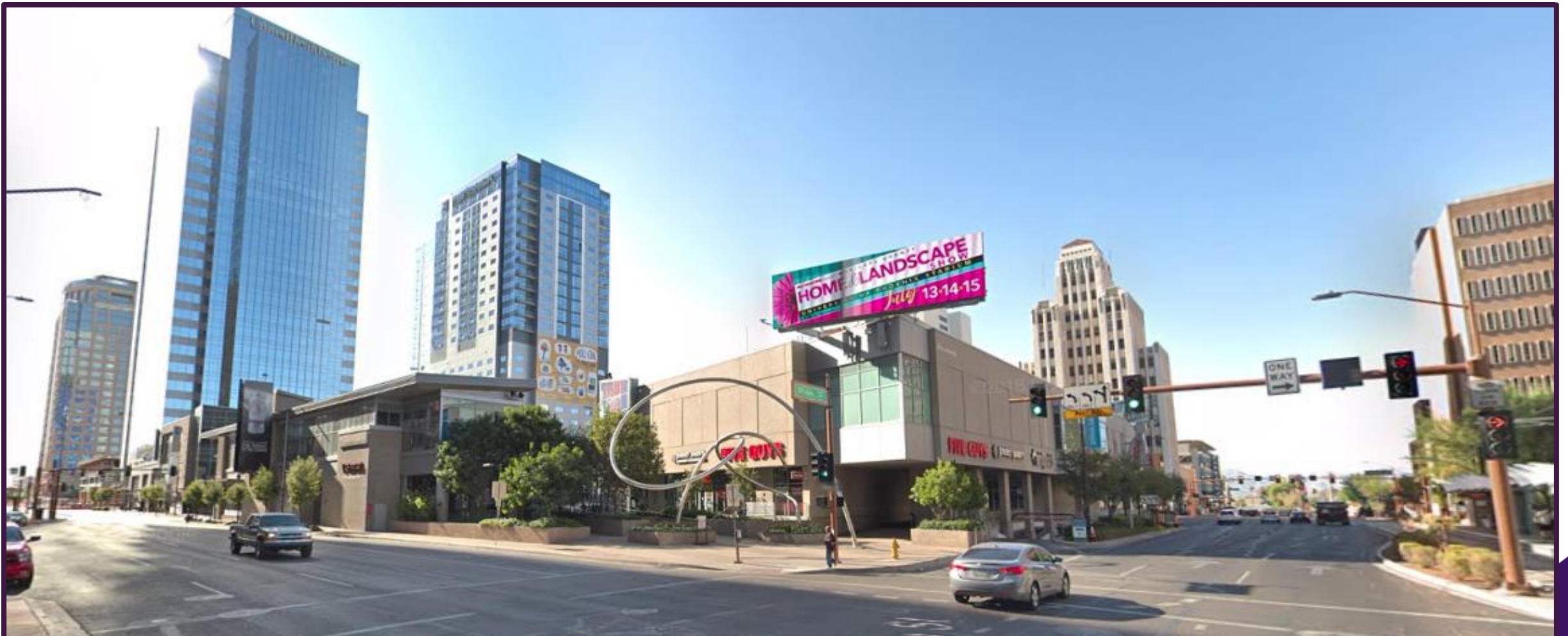
Economic Investment

Phoenix – Washington and 1st Avenue



Economic Investment

Phoenix – Washington and 1st Avenue



Economic Investment

Tempe – University and Rural



Economic Investment

Tempe – University and Rural



Economic Investment

Mesa – Main Street and Mesa Drive



Economic Investment

Mesa – Main Street and Mesa Drive



Economic Investment

Mesa – Main Street and Bellview



Economic Investment

Mesa – Main Street and Bellview



Construction

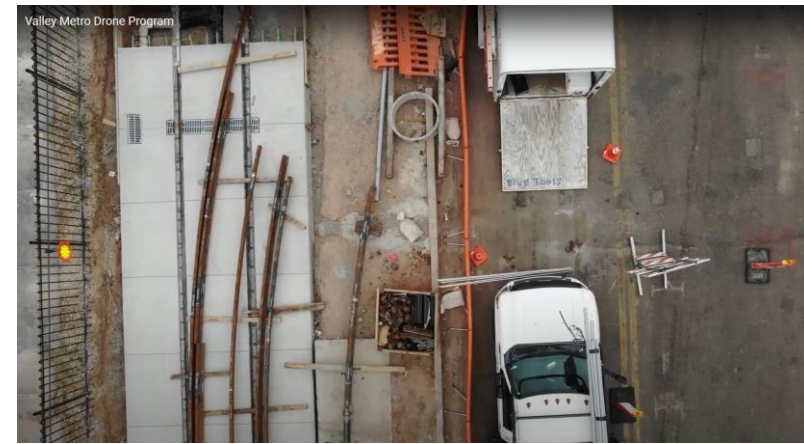
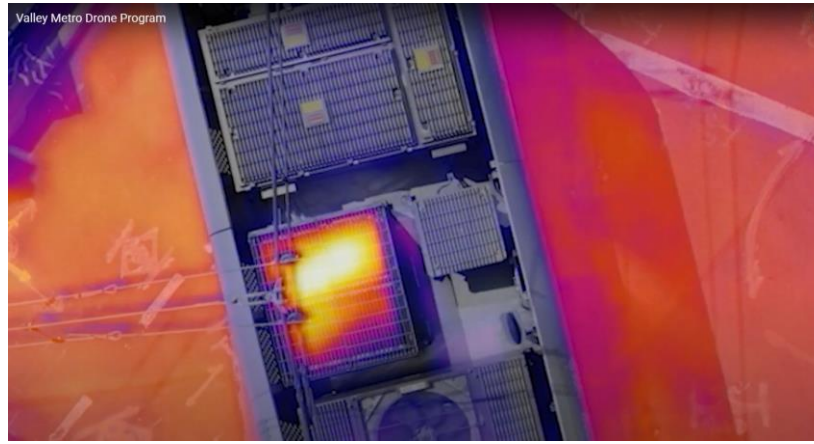
- Tempe Streetcar (3 miles)
 - Testing now; opening 2022
- Operations and Maintenance Center Expansion
 - Completion fall 2021
- South Central Extension/ Downtown Hub (5.5 miles)
 - Completion 2024
- Northwest Extension Phase II (1.6 miles)
 - Completion 2024



Planning

- CAPEX and 10WEST
 - Connecting State Capitol & West Valley
- Rio Salado Dobson Streetcar
- Arizona Avenue Alternatives Analysis
 - Mesa & Chandler
- Transit Implementation Studies
 - West Phoenix
 - ASU West Extension





A Higher Perspective

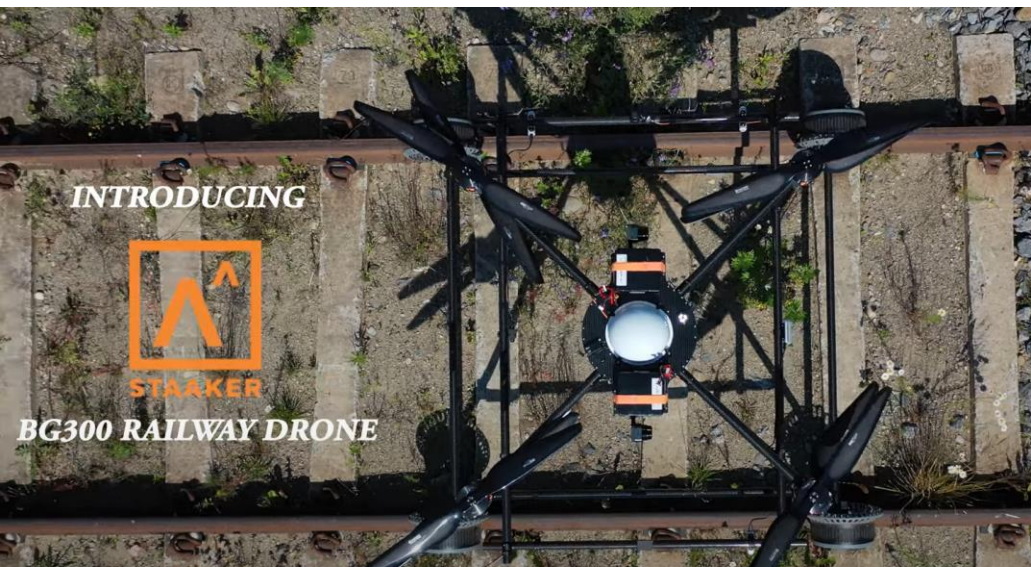
Industry Adaptation

TriMet News

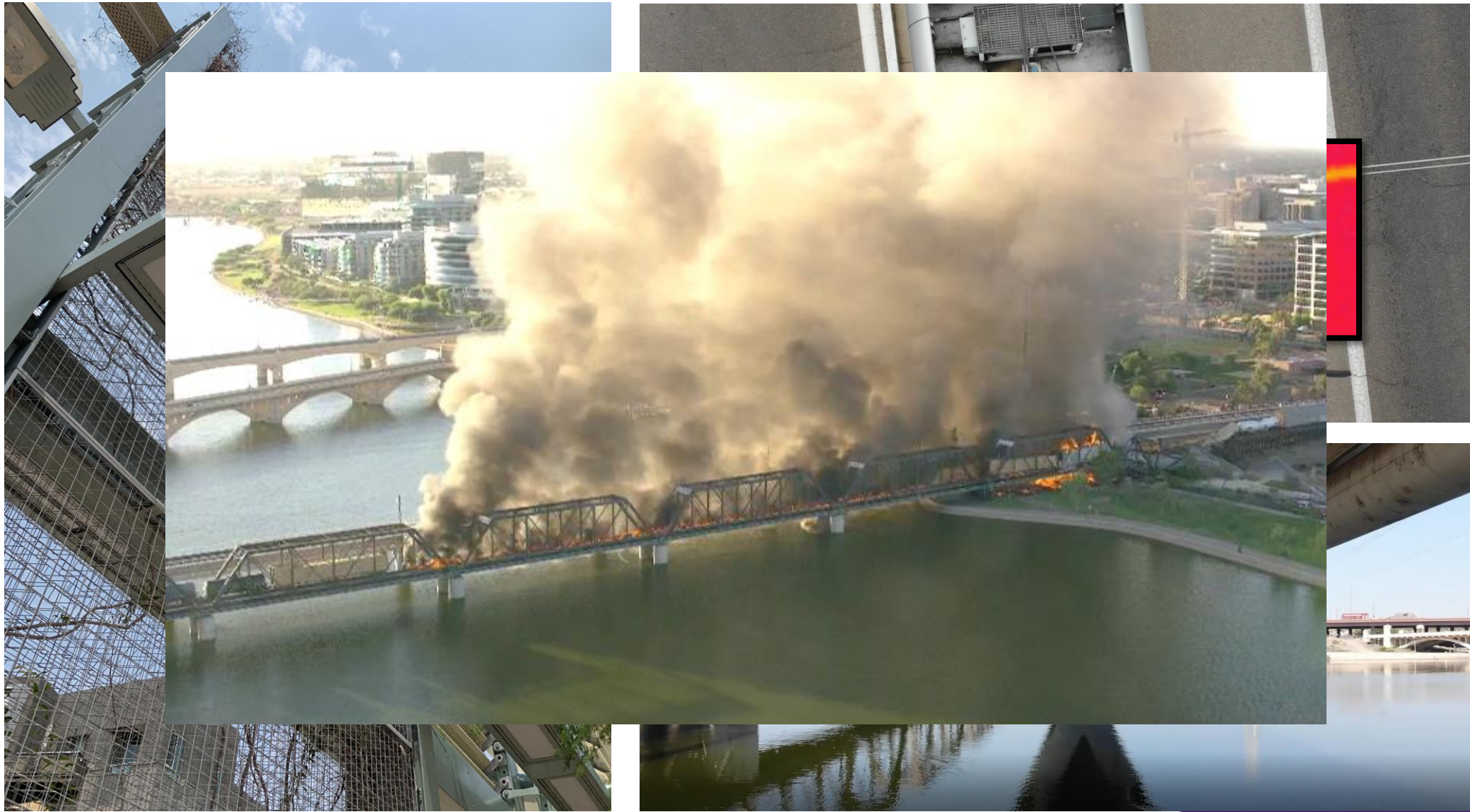
(VIDEO) TriMet gives flight to drone-enhanced inspections of our MAX infrastructure

July 19, 2021 by Tyler Graf

Pilot project to test a drone's effectiveness inspecting overhead wires and bridges

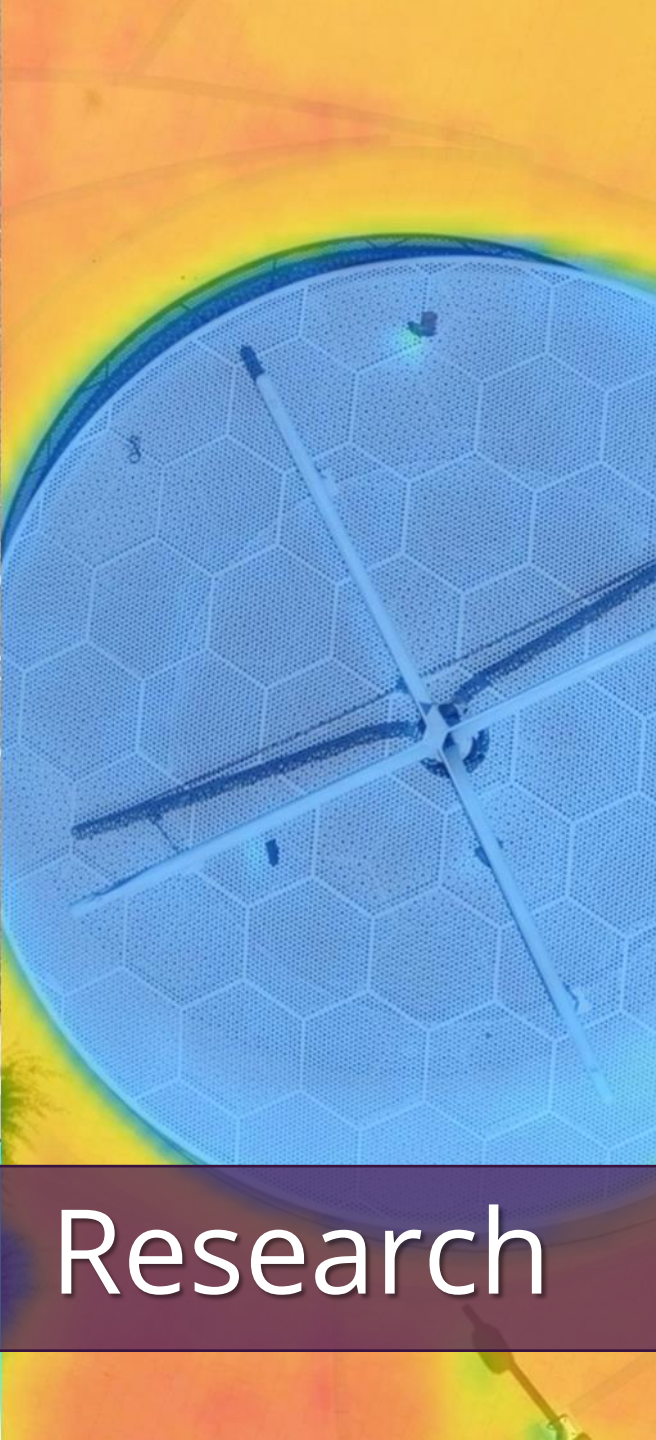


Agency Adaptation





Promotion



Research



Inspection



Observe

Operations & Maintenance Center Expansion



LEGEND:

- Existing Trackwork
- New Trackwork
- New Retaining Walls

MSE Retaining Wall and Expanded Storage Tracks

Additional Covered Parking

Extension of MOW1 Track

MOE Reno.
1st & 2nd Floor

MOE
Expansion

MOW
Reno. / Expansion

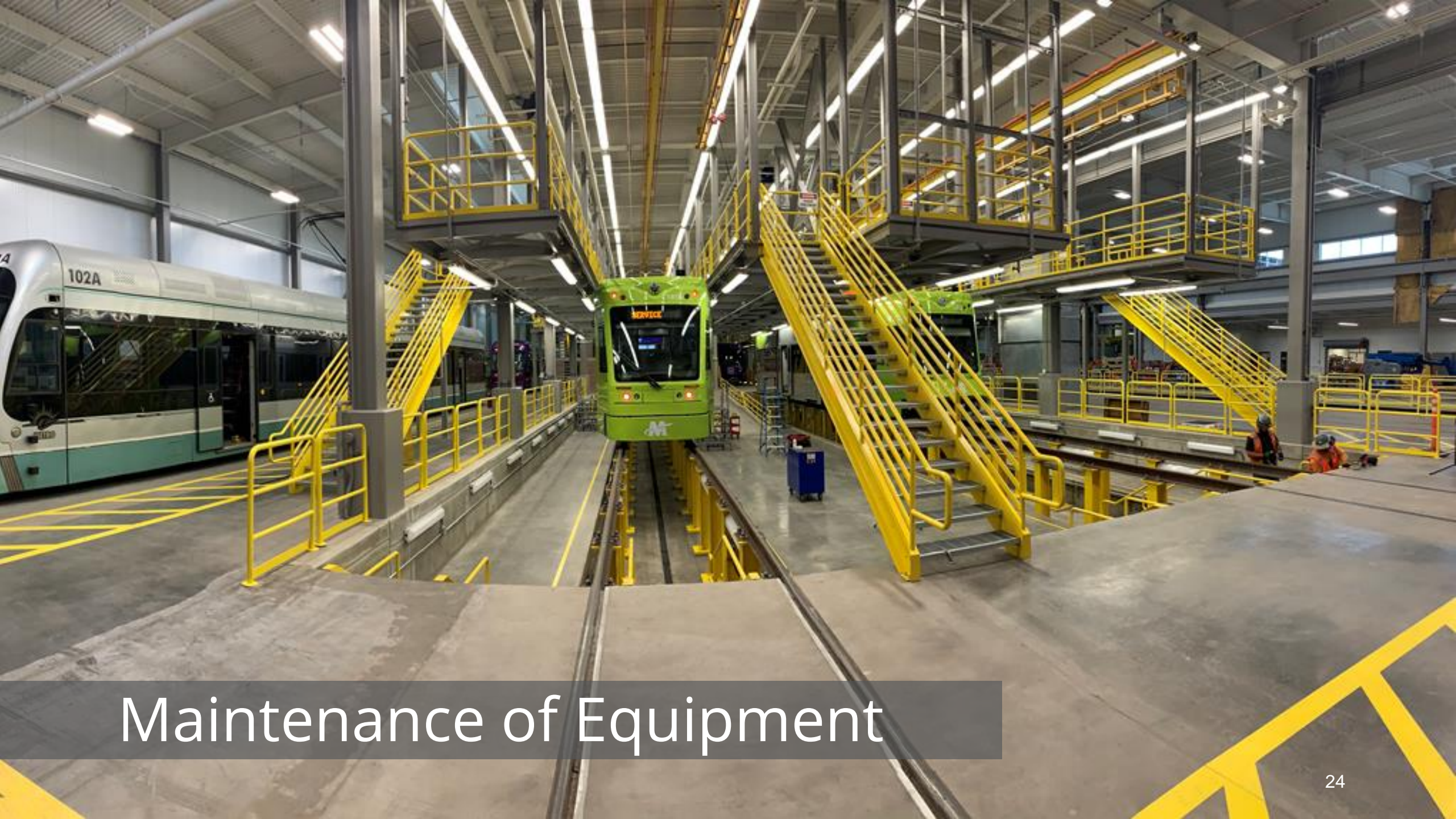
New TPSS

Signal House
Renovation

Mezzanine Add
at M4 Track

New Cleaning
Platform

OMC Expansion Scope of Work



Maintenance of Equipment



Maintenance of Way Building Expansion



Refurbished Wash Station



Cleaning Platform

Additional Storage Tracks



Tempe Streetcar



Tempe Streetcar



3

MILES

14

STOPS

2

CONNECTIONS TO
VALLEY METRO RAIL

Streetcar Stop Example



Downtown: 6th St/Mill Ave

Light Rail Crossing Installation



Artist Mary Lucking



Roundabout





Passenger Service Spring 2022



Integrated Testing

Northwest Extension Phase II



Northwest Extension Phase II





Elevated Station and Bus Transit Center



I-17 Bridge

Concrete Pier Placement



25th & Dunlap





Arizona Bridge Canal



I-17 Bridge Girders

South Central Extension/ Downtown Hub





South Central Extension Light Rail/ Downtown Hub



MILES



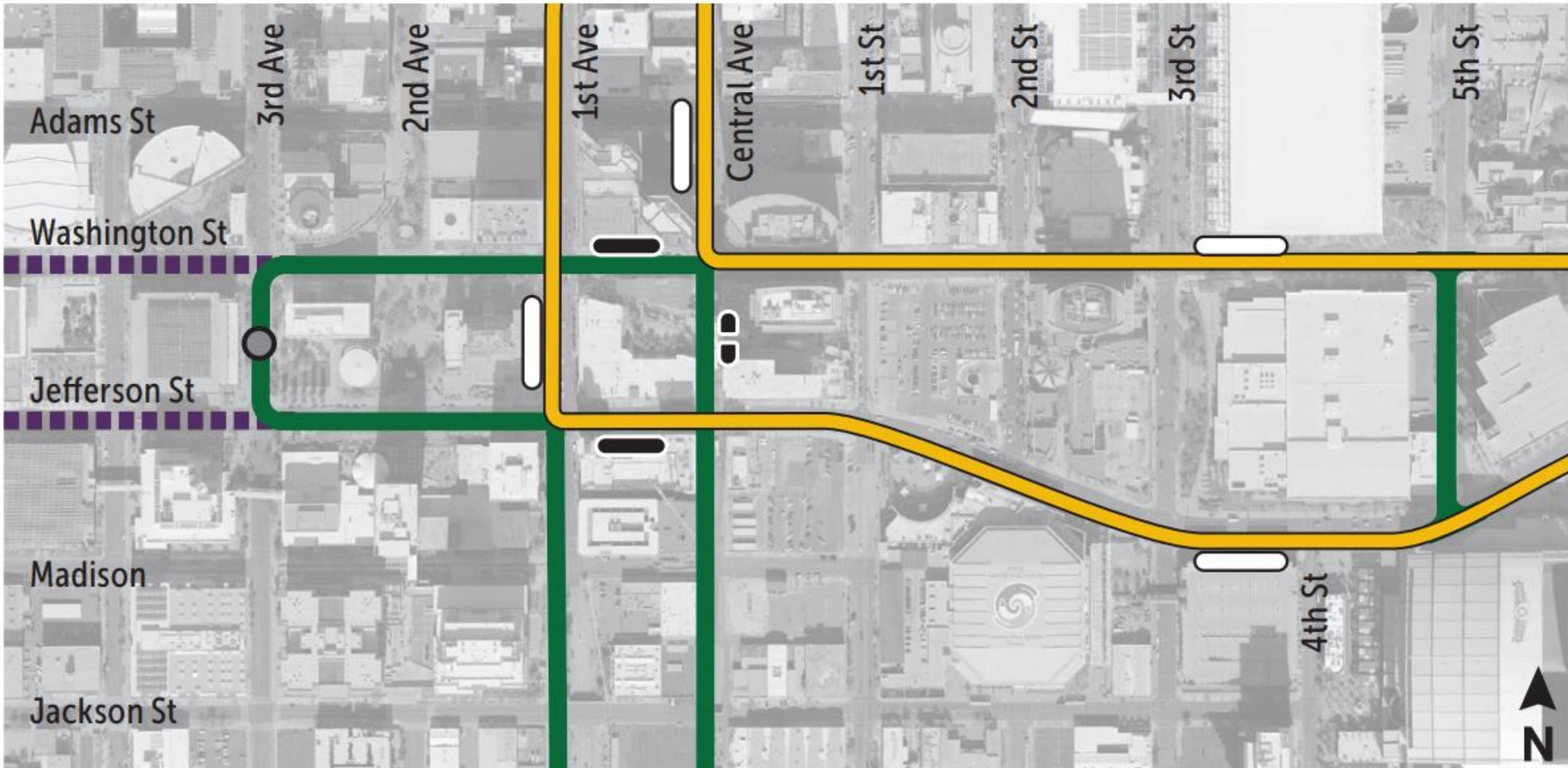
STATIONS



PARK-AND-RIDES



Downtown Hub



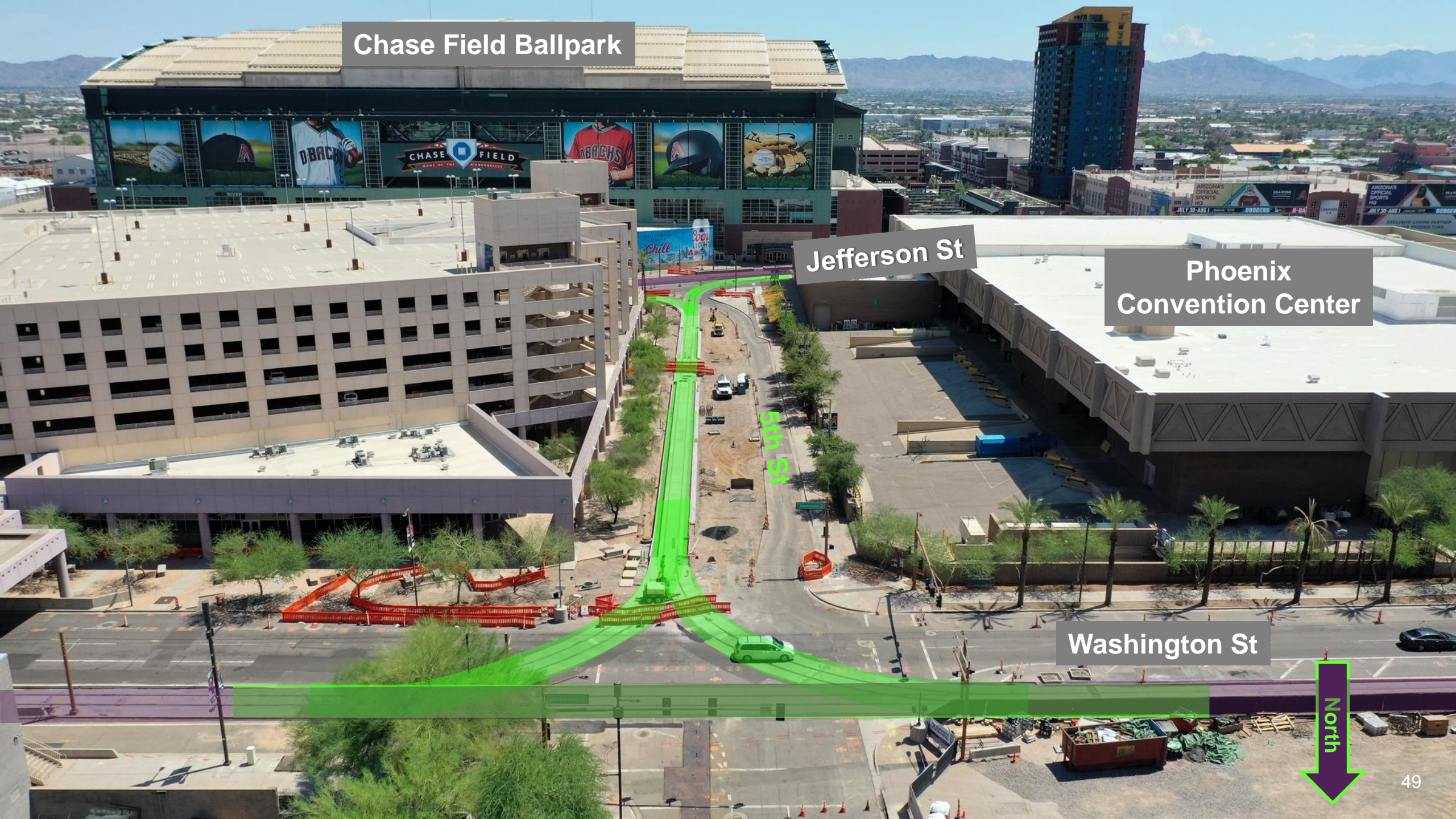
Chase Field Ballpark

Jefferson St

Phoenix
Convention Center

Washington St

North

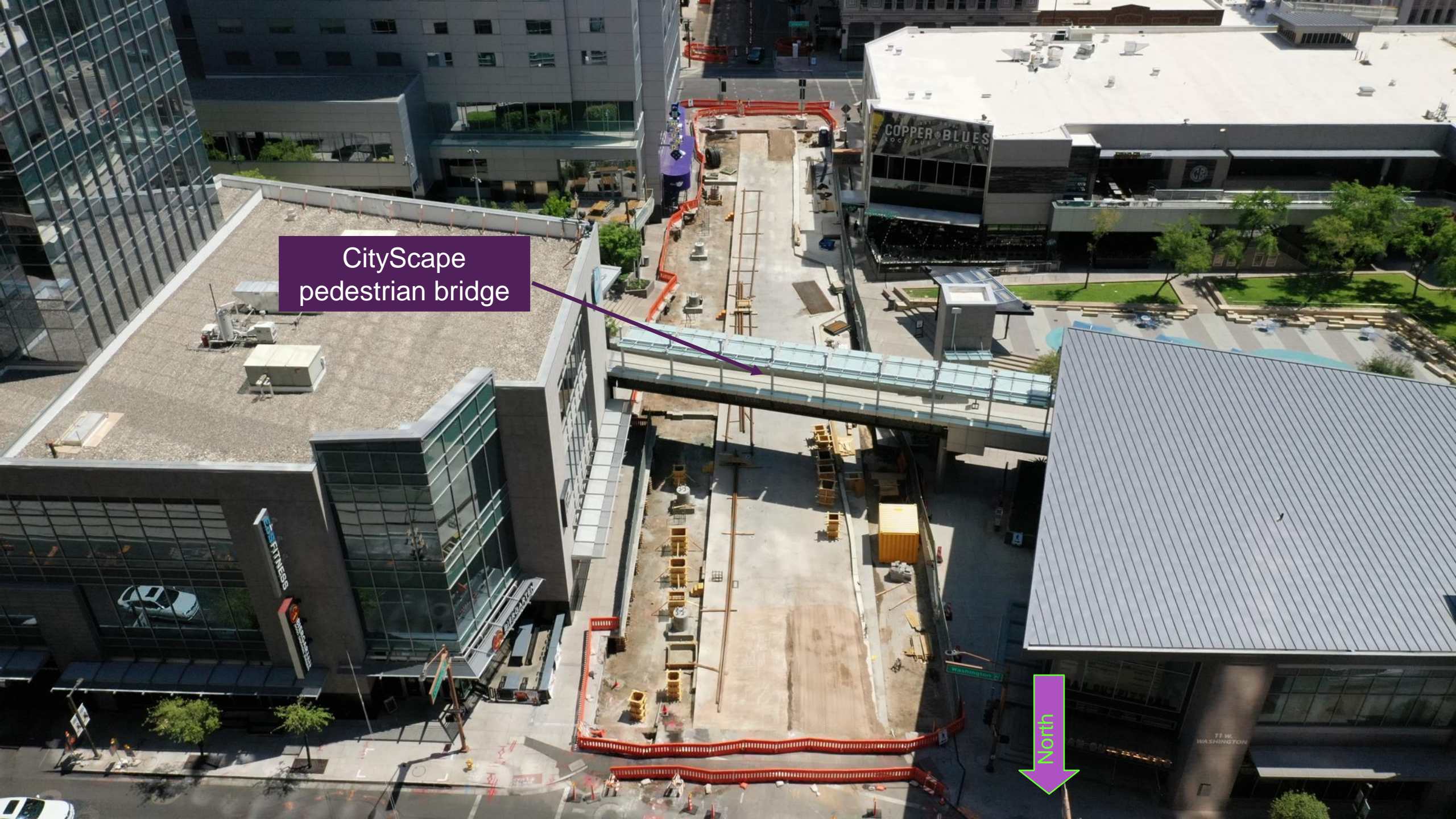


First Round of Single Tracking Complete



CityScape
pedestrian bridge

North



CityScape Pedestrian Bridge Under Reconstructio n



Salt River

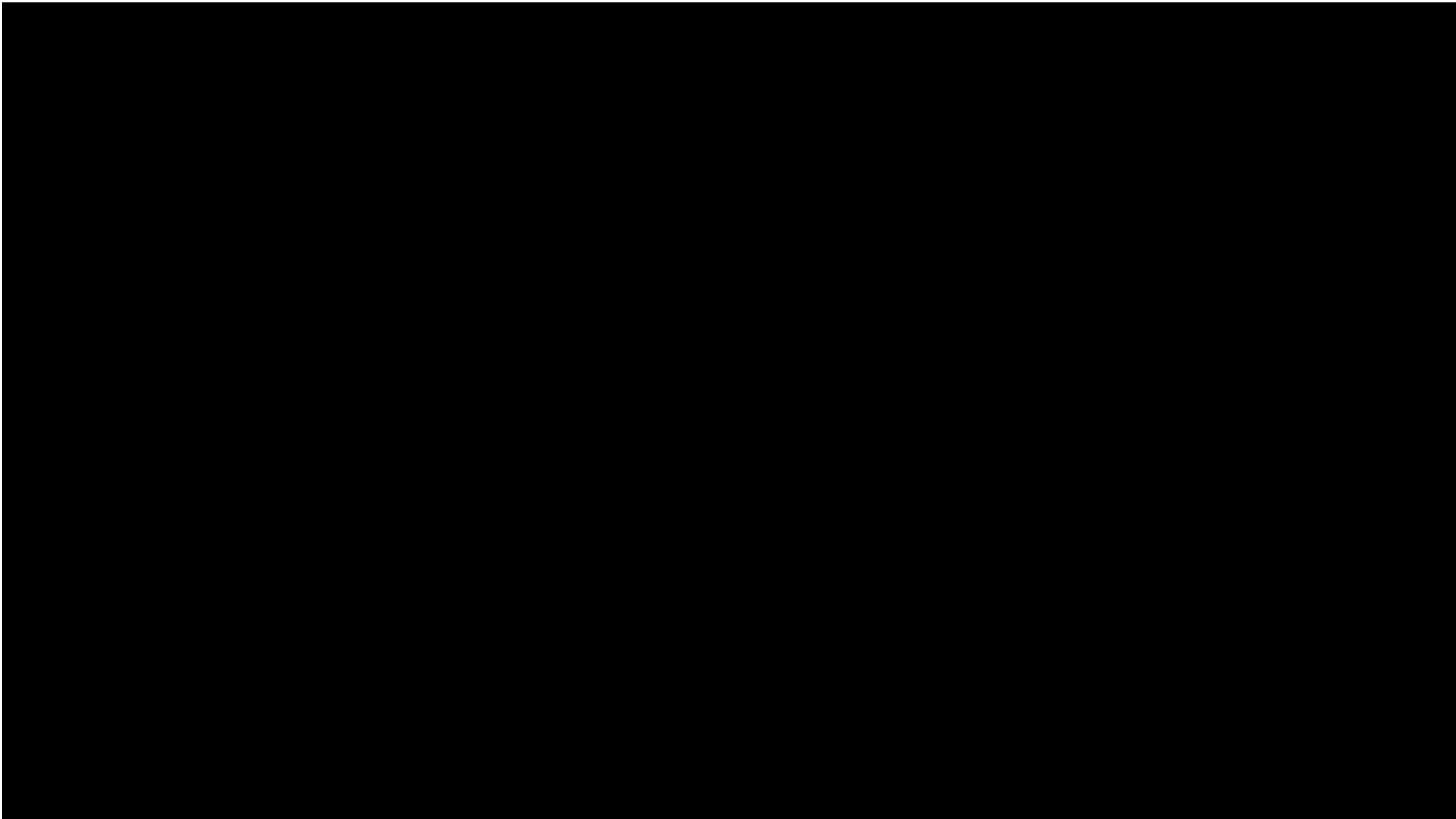


North

Status

- Construction **30% Complete**
- On schedule for completion **2024**





Questions?

THANK YOU!

