

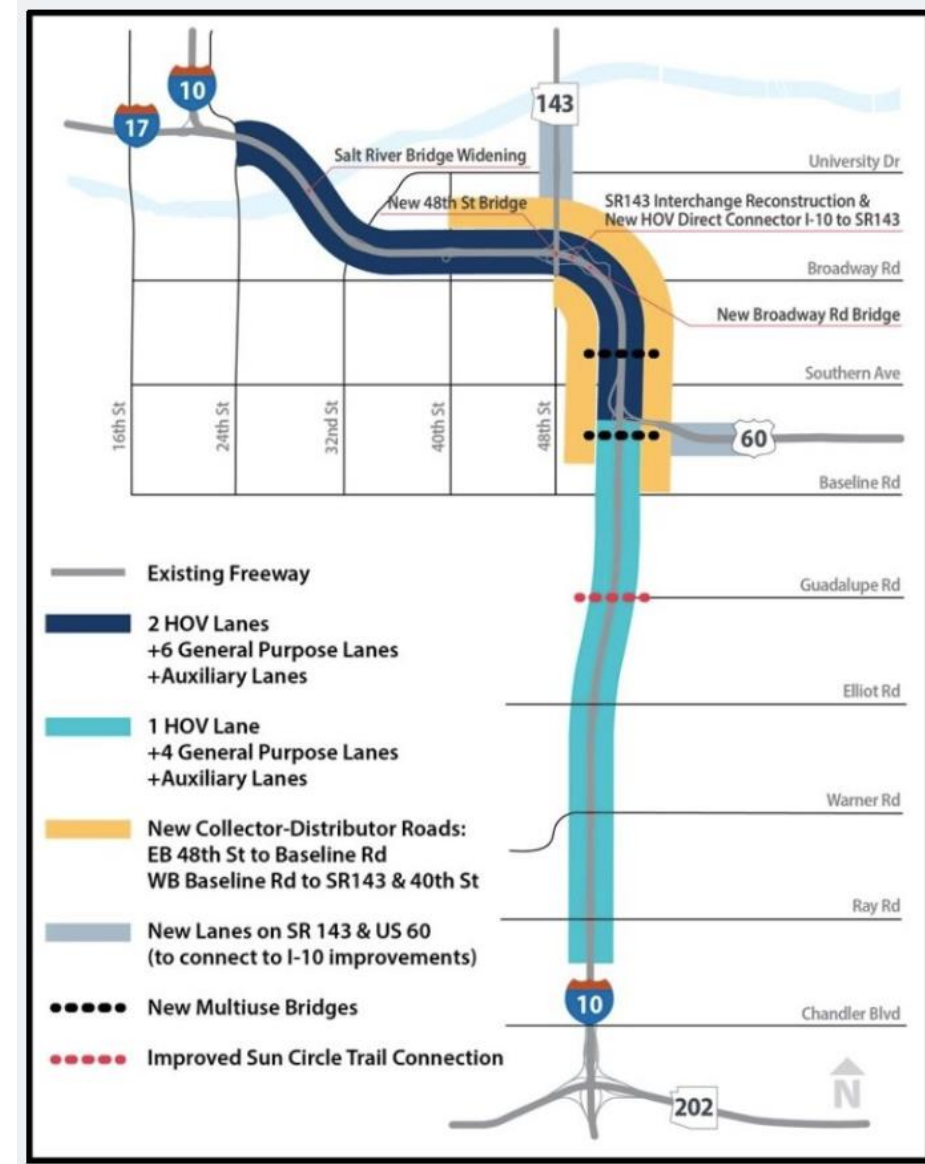


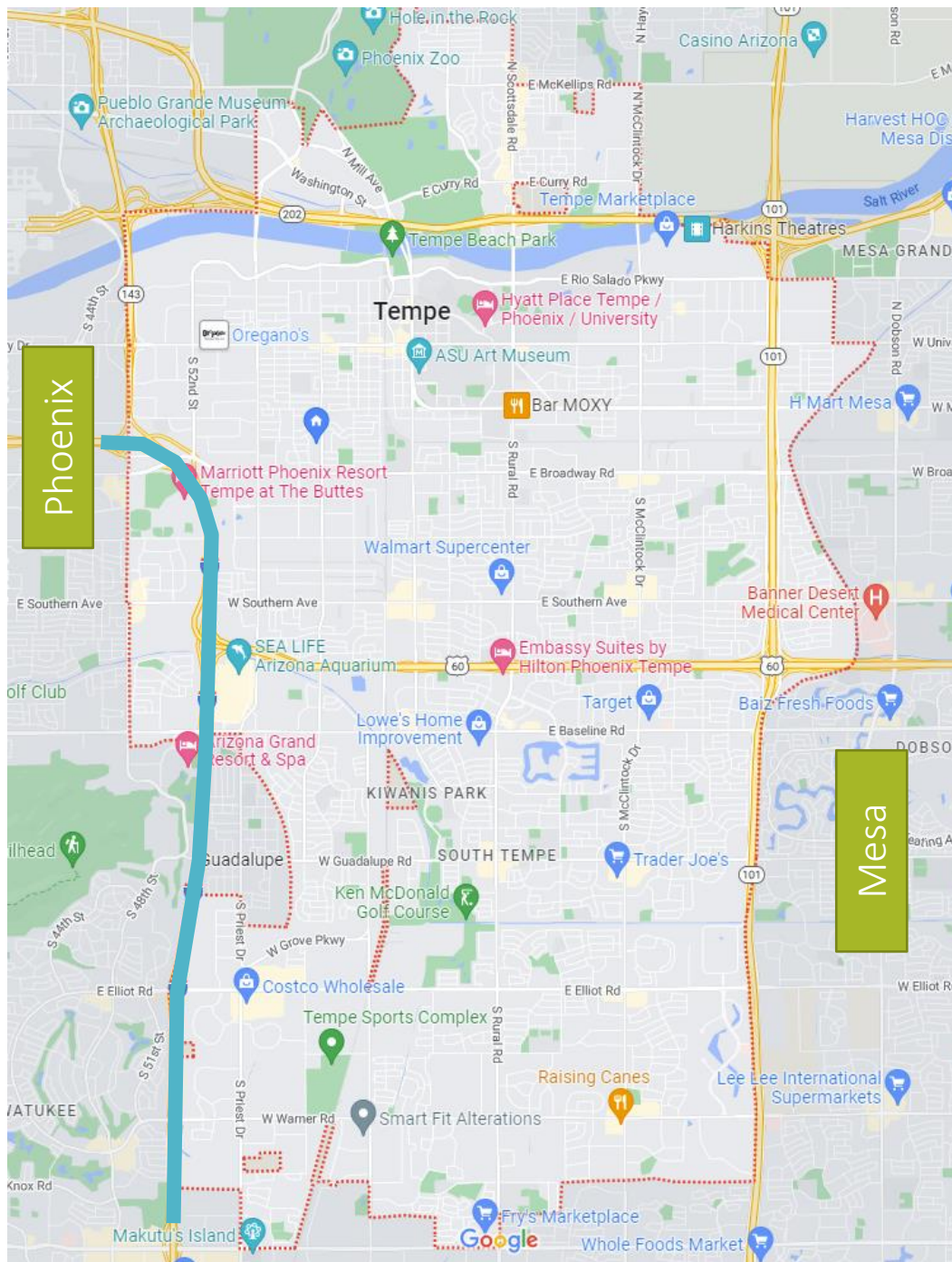
City of Tempe Adaptive Corridor

Kimley Horn Smart Cities Technology Forum

October 4, 2022

I-10 Broadway Curve Construction





City of Tempe, Arizona

The only thing standing between Phoenix and Mesa

Broadway Curve construction has a significant impact on our roadways

Adaptive signal corridor

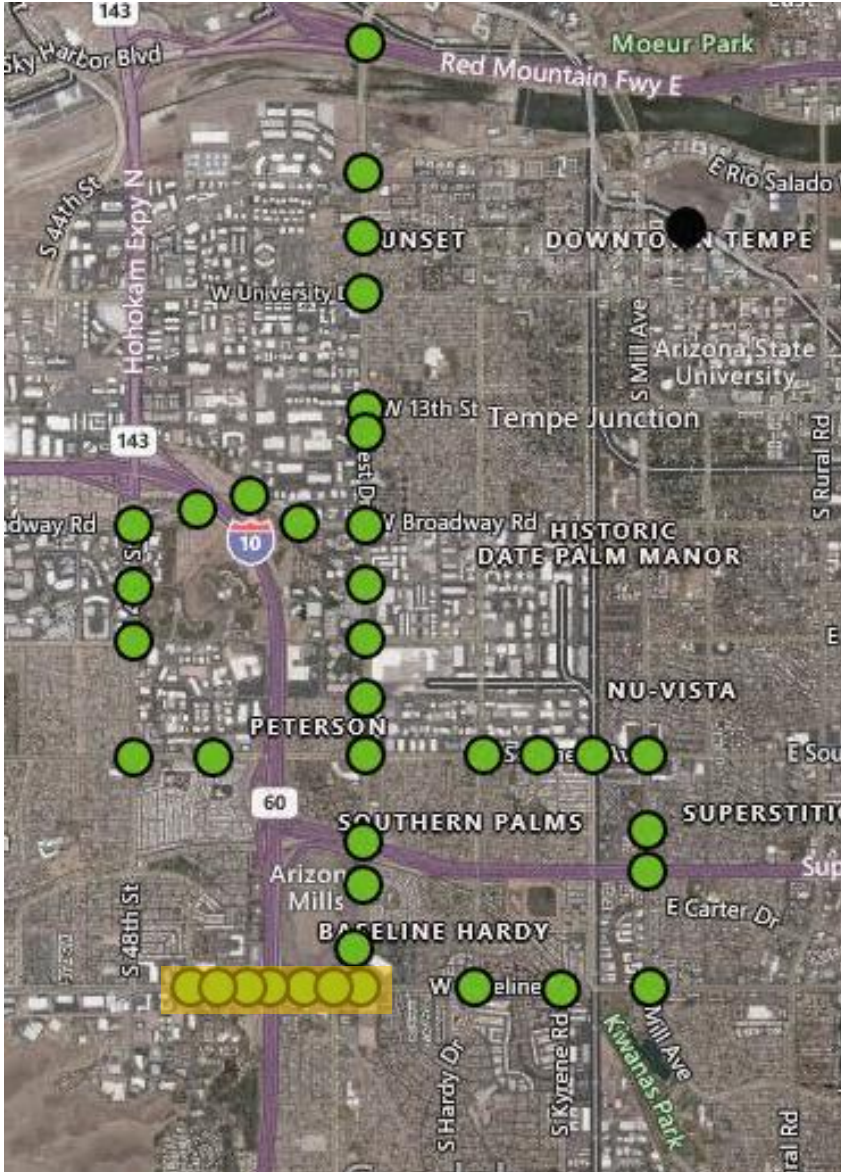
38 total intersections

All detection is GridSmart

All controllers are Econolite ASC/3

Adaptive area is meant to cover those streets most likely to be impacted by I-10 detours





Timeline

May 2022 – All GridSmart detectors live*

June 2022 – All intersections turned to Monitor Mode in KITS

July 2022 – Monitor and Fine Tuning

August 2022 – Baseline Corridor Adaptive is Live

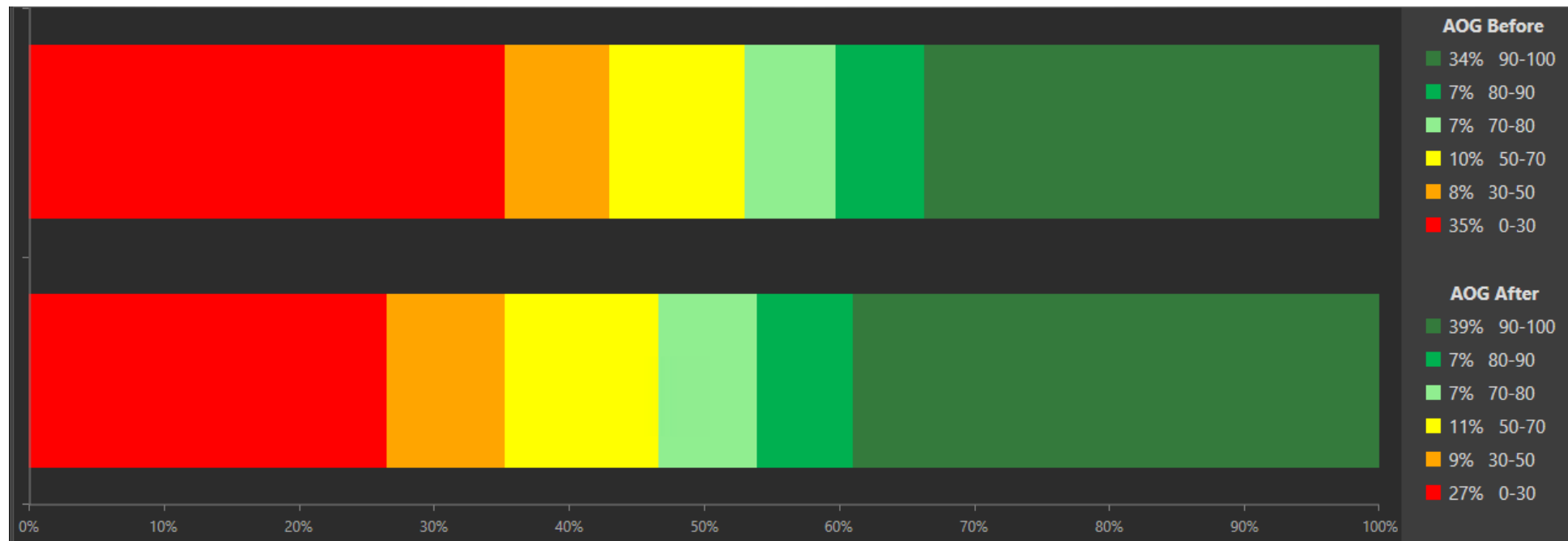
*Broadway and I-10 interchange intersections still pending –
GridSmart installed with I-10 Construction Project

Baseline Corridor Monitoring

7 closely spaced intersections

Parameter changes made during PM peak to align cycle length with neighboring intersection in Phoenix

No timing changes implemented during freeway closures



Next Steps

1. Detection, detection, detection

2. Document the detector layout

3. Separate the “call” and “passage” detectors on other corridors

4. Turn on Adaptive on remainder of project

Questions

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Thanks for having me!