



Bringing the Beaver to Missouri

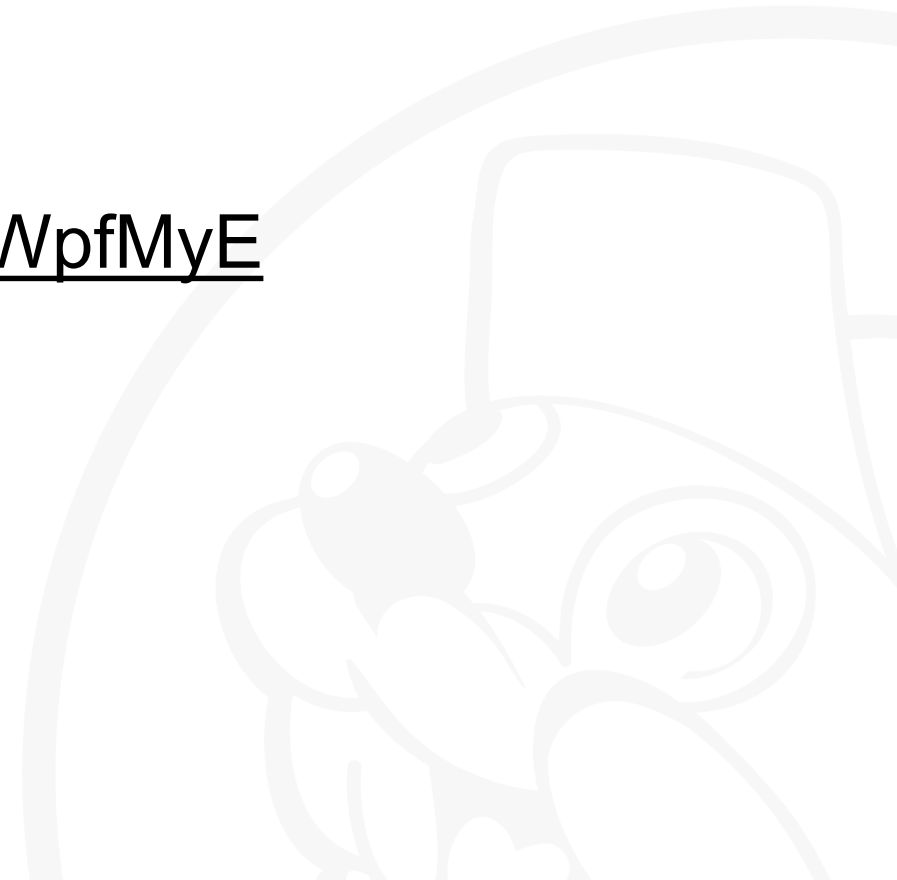
Missouri TEAM Conference 2023

Kimley»»Horn



...so what the heck is Buc-ee's???

- <https://www.youtube.com/watch?v=XbV4XWpfMyE>



What are we here to discuss?

Process for getting
interchange and
roadway
improvements
approved and
permitted

Unique trip-making
patterns

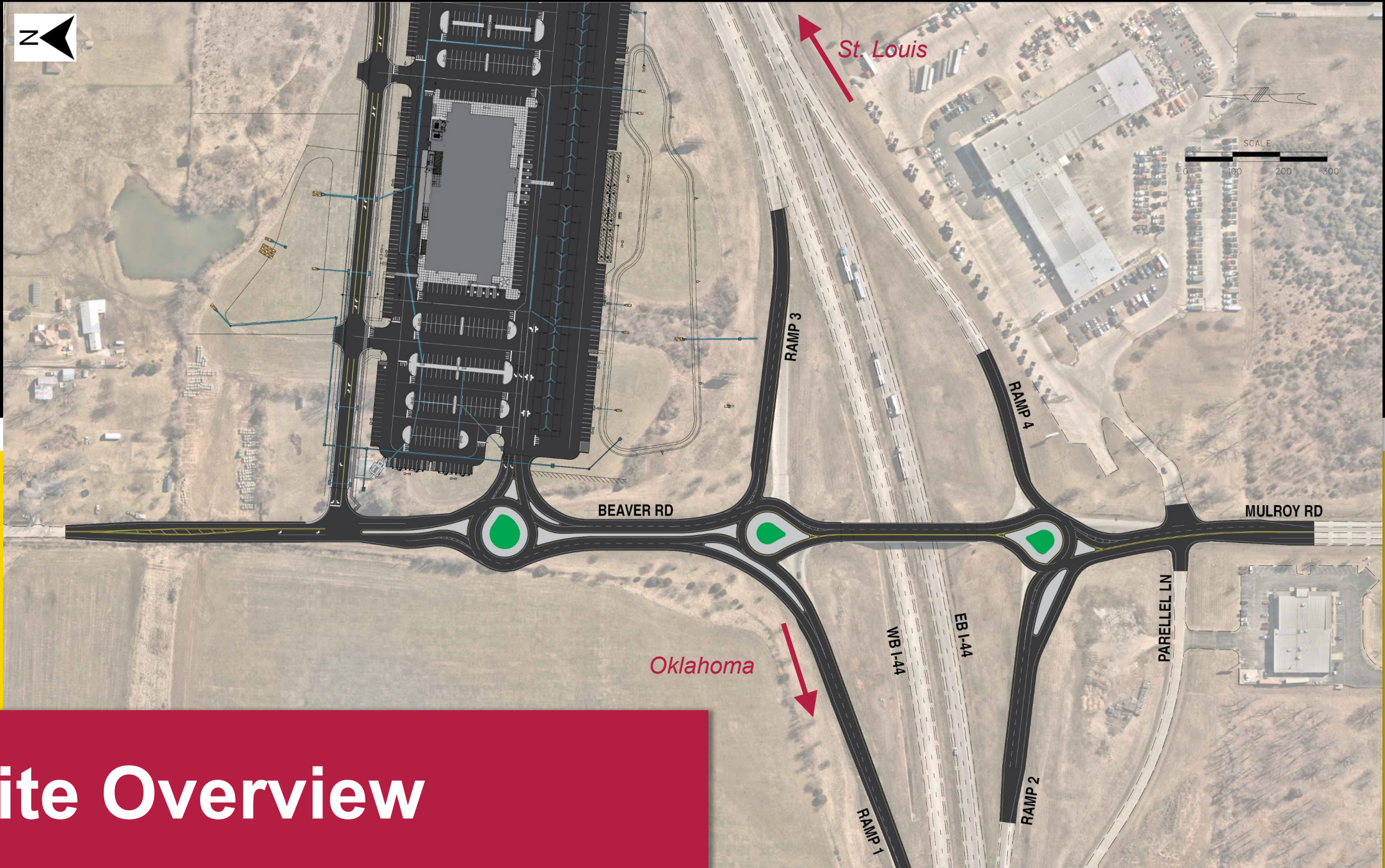
Lessons
learned



Site Overview



Site Overview



Site Overview

So who goes to Buc-ee's?

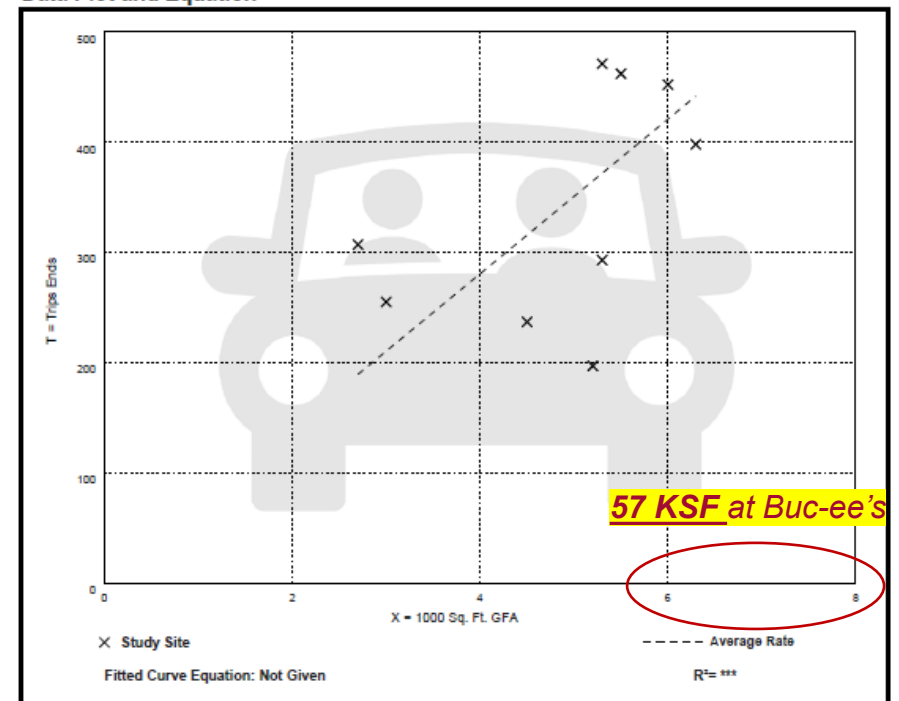
- Just about everyone around...or at least close to 50% of travelers on the interstate
- Heaviest day is Saturday
- No trucks

THE CATCH:
Can we make a site like this work without rebuilding bridges over the interstate?

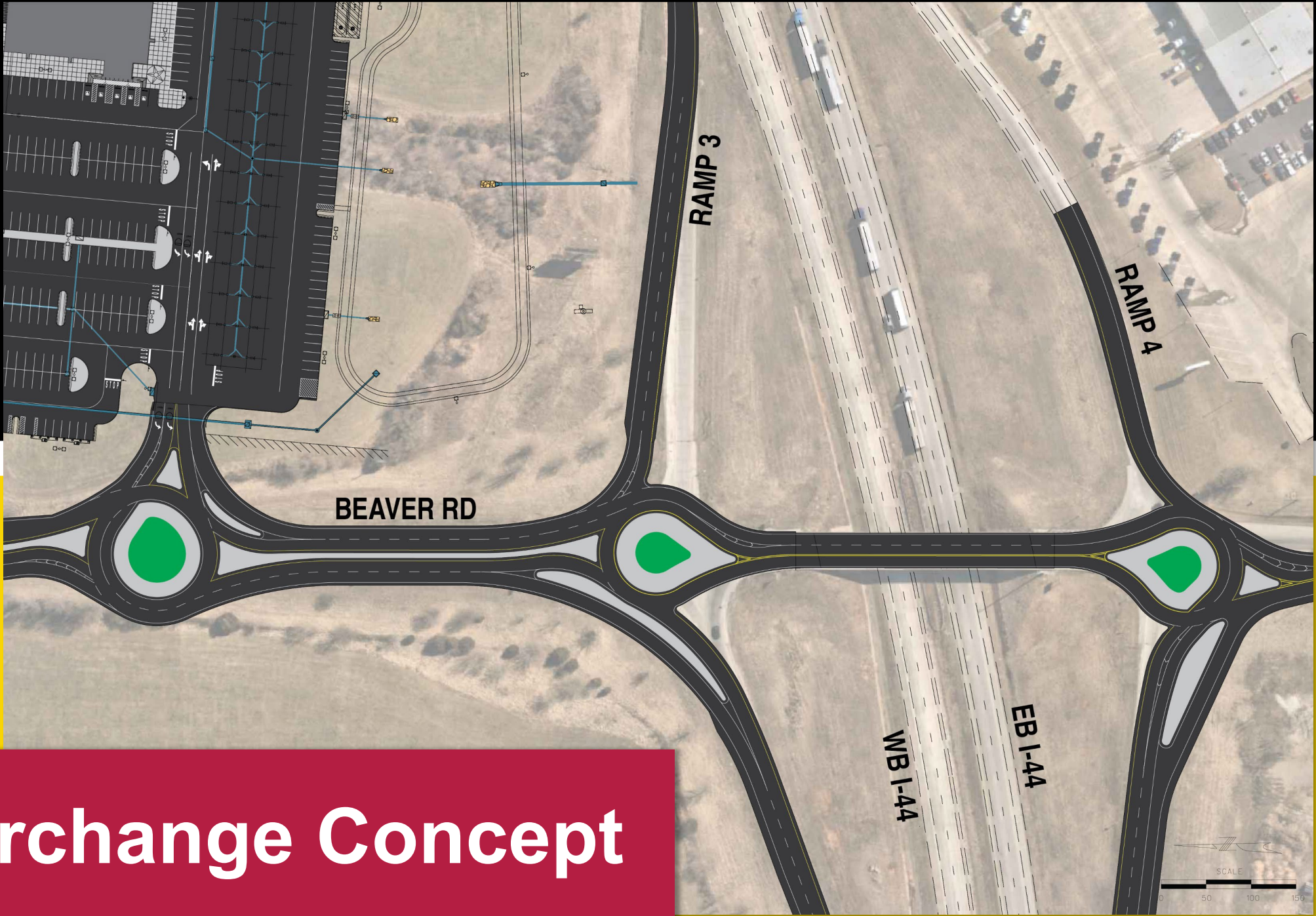
Convenience Store/Gas Station - VFP (16-24) (945)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA **116 VFPs at Buc-ee's**
On a: Saturday, Peak Hour of Generator

Data Plot and Equation



ITE recognizes there are existing convenience store/gas station sites throughout North America that are larger than the sites presented in the data plots. However, the ITE database does not include any site with more than 24 VFP or any site with gross floor area greater than 10,000 square feet. Submission of trip generation data for larger sites is encouraged.



Interchange Concept



Lessons Learned

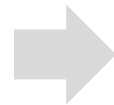
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Permitting Process

- MoDOT permit project vs. STIP project?
- NEPA / TS&O timelines



Questions?



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