

2022 State Transportation Plan Updates

MPO/RPA Quarterly Meeting September 22, 2021





Long Range Transportation Plan **Rightsizing Policy**



STATE TRANSPORTATION PLAN UPDATES

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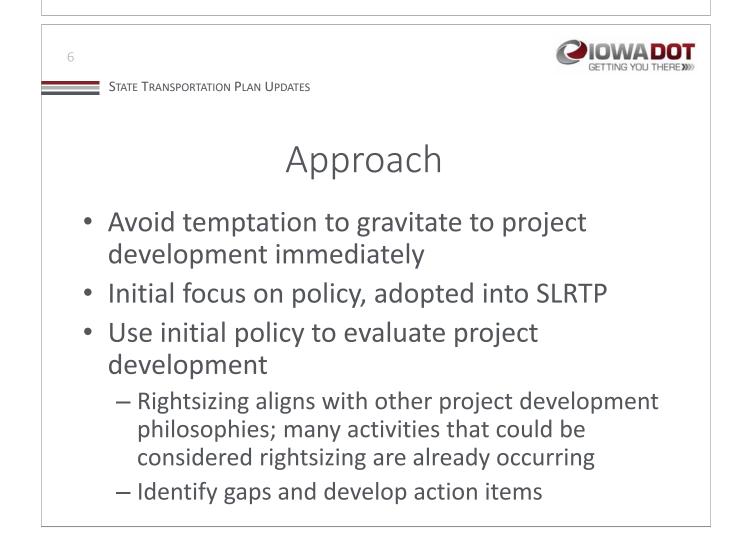
Rightsizing Policy

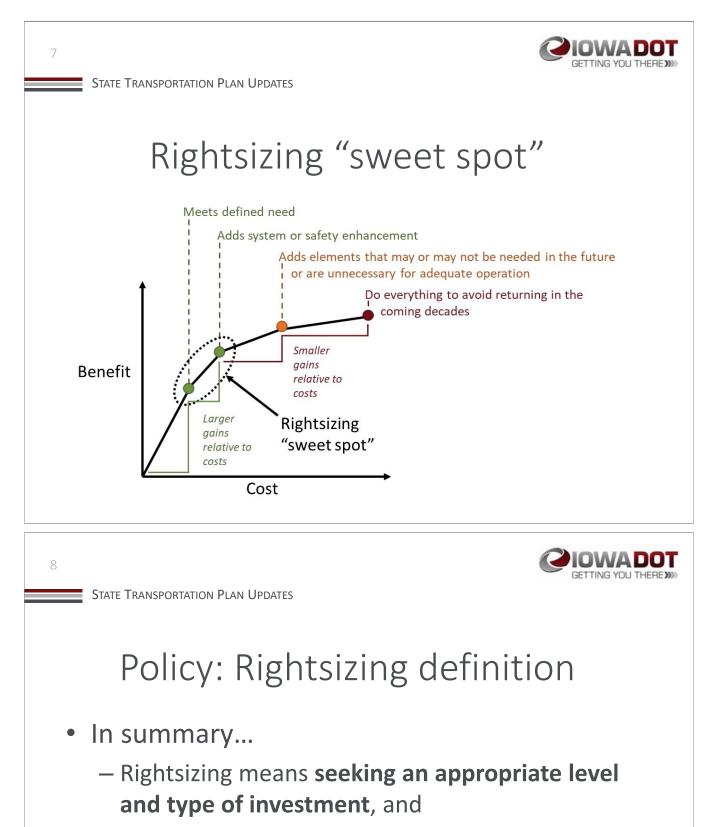
- Theme in 2017 long-range plan
- Relates to performance management, asset management, project prioritization
- Ongoing internal discussions with Transportation Asset Management (TAM) Implementation Team
- Implementation is multifaceted, with activities across policy, project planning and development, and programming
- SLRTP provides a logical vehicle for policy considerations



Rightsizing Policy

- Objective: adopt parameters/principles that help guide project development activities
- Research background:
 - NCHRP 917 Rightsizing Report
 - Other State DOT long-range plans
 - State DOT project development guidance
- Used examples from research to seed discussion
- Brainstormed areas where parameters are needed



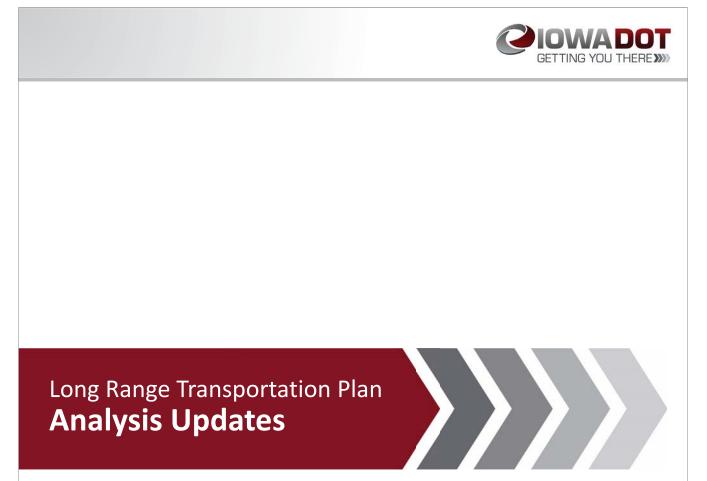


 leveraging existing assets and limited resources to maximize the returns for users



Policy statement topics being considered

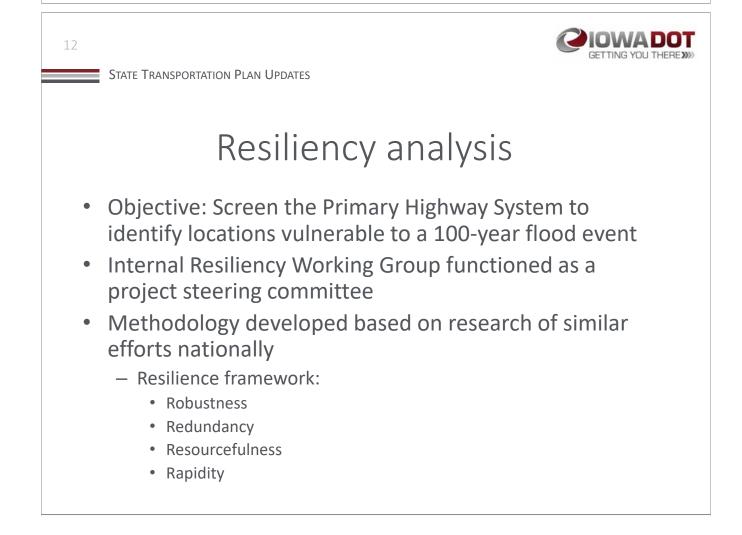
- Project needs
- Comprehensive needs
- Stewardship priority
- Stratification of the system
- Equity
- Resiliency
- Congestion or operational issues
- Emerging technologies
- Speculative development
- New or revised interchange access





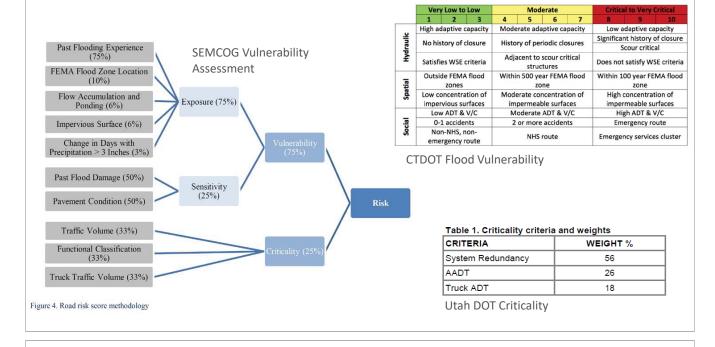
Analysis layers timeline

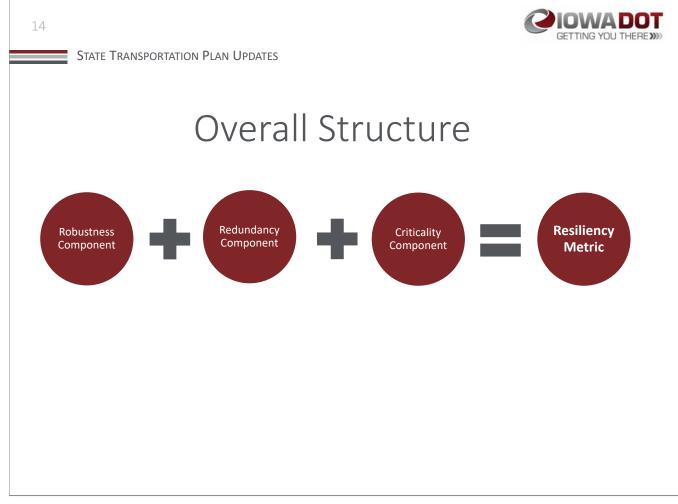
- Infrastructure condition analysis (ICE) complete
- Operations analysis (ICE-OPS) complete
- Freight network updates complete
- Bottlenecks analysis (INRIX) complete
- Resiliency analysis in review
- Accessibility/mobility analysis in review
- Capacity analysis (iTRAM) in review
- Safety analysis late Sept.
- Modal systems analysis ongoing



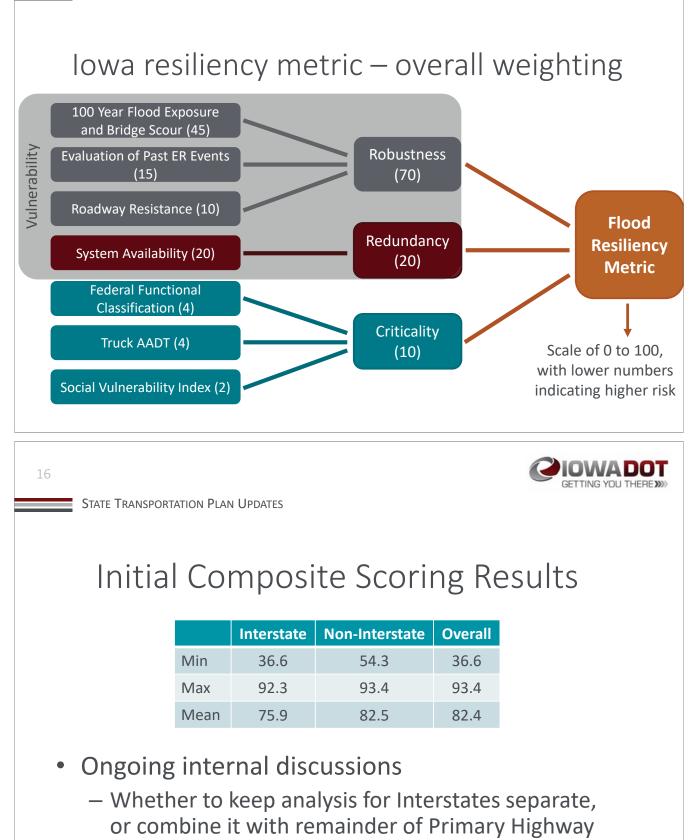


Inspired by frameworks like...



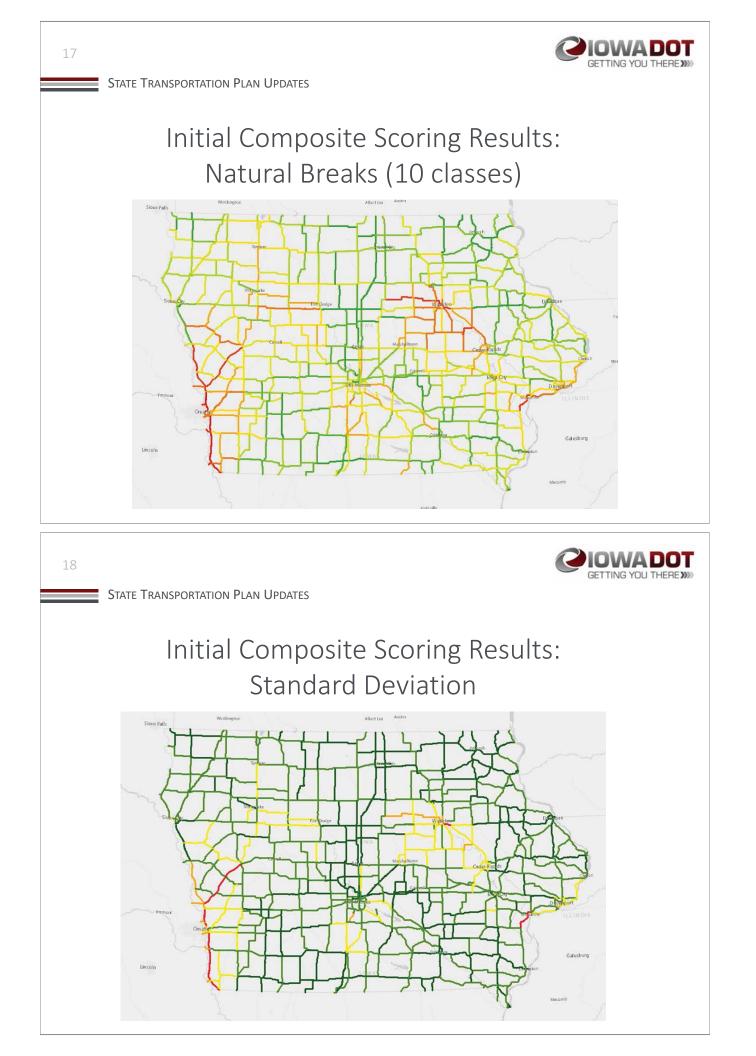


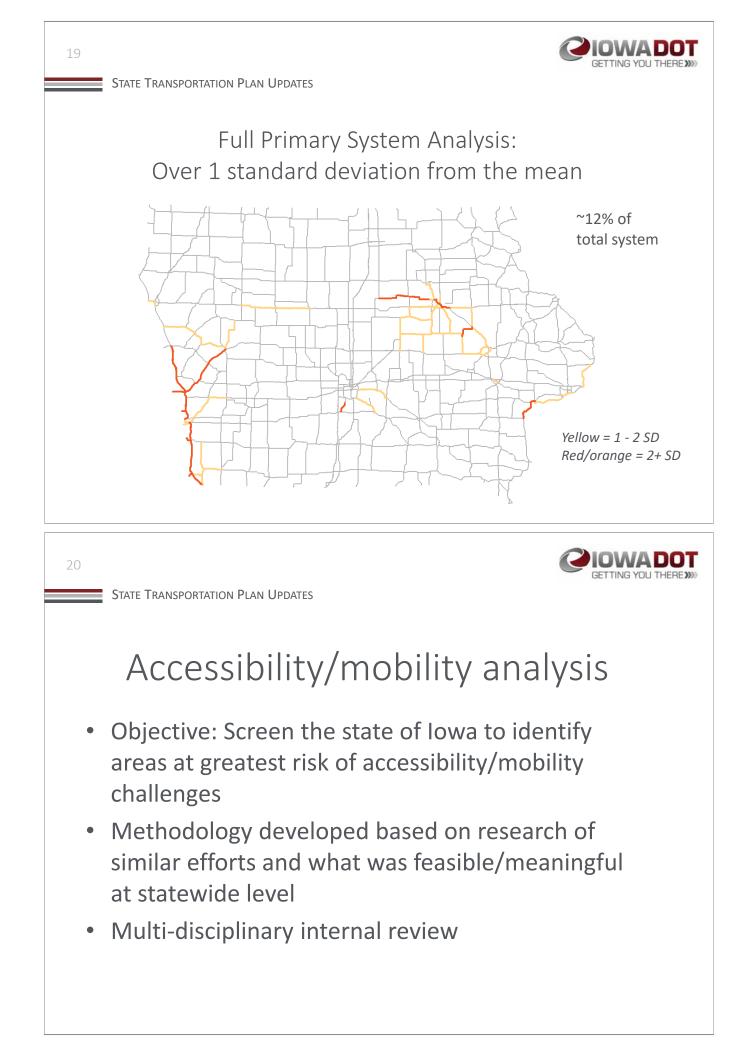




System
How to visualize results and what threshold to use to define the 'highest risk' corridors

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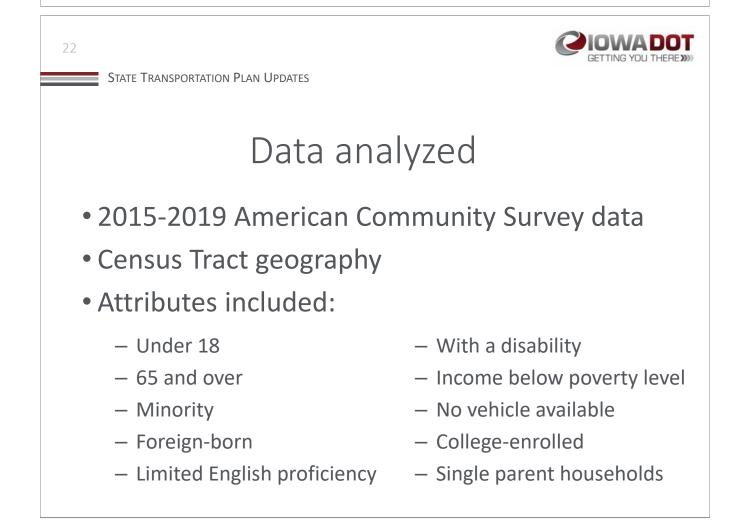






Approach and purpose

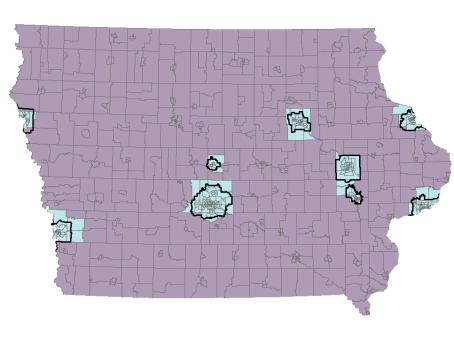
- Analyze accessibility/mobility through the lens of factors that may limit mobility, ability to access transportation infrastructure, and/or travel via personal vehicle
- Utilize during planning and project development process
 - While all planning should have a multimodal element, these populations may be particularly in need of or best served by alternatives to driving
 - These populations may also be better served by nontraditional outreach techniques

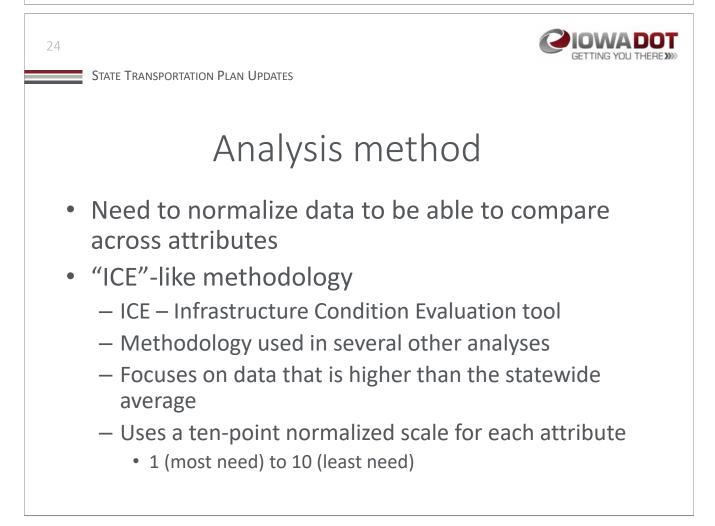




Analysis level

- Divided into separate rural and urban analyses rather than single statewide analysis
- Used MPO planning area boundaries to divide tracts

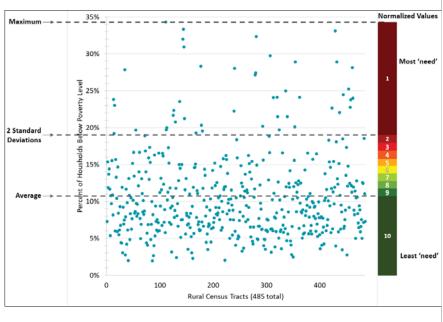


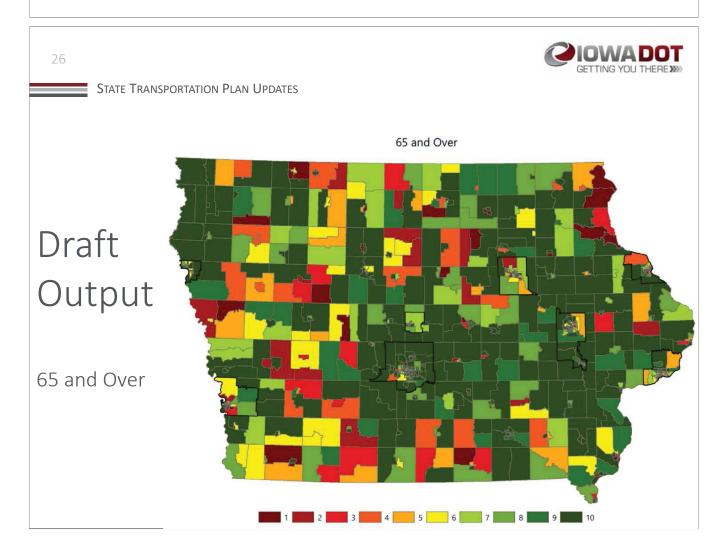


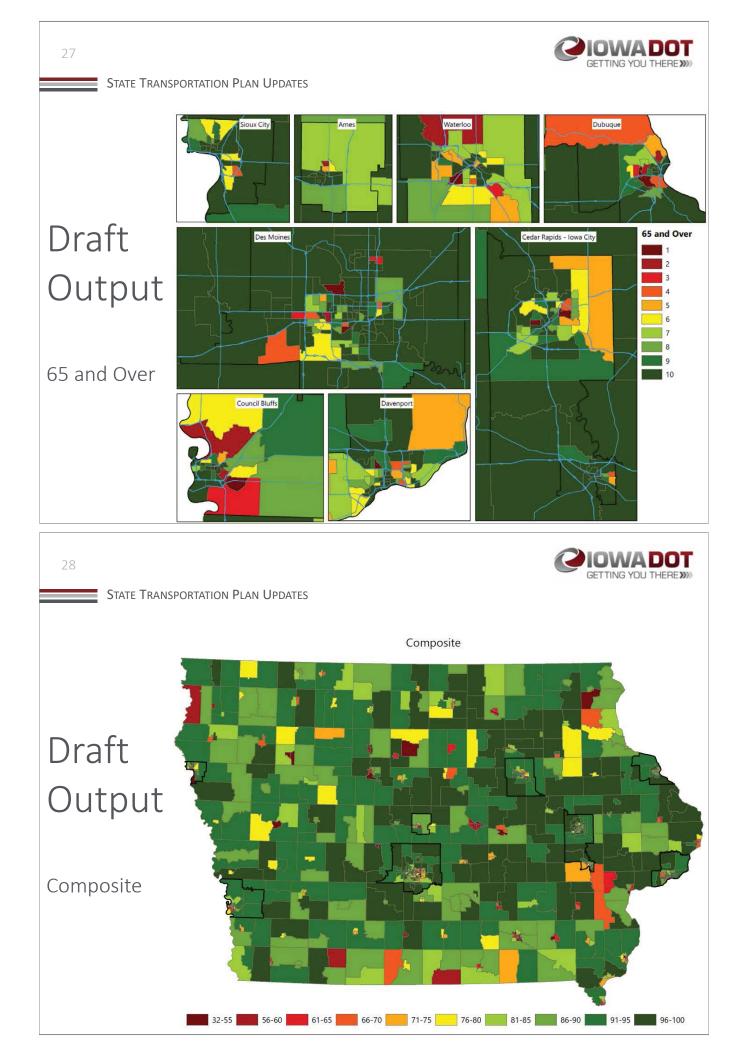


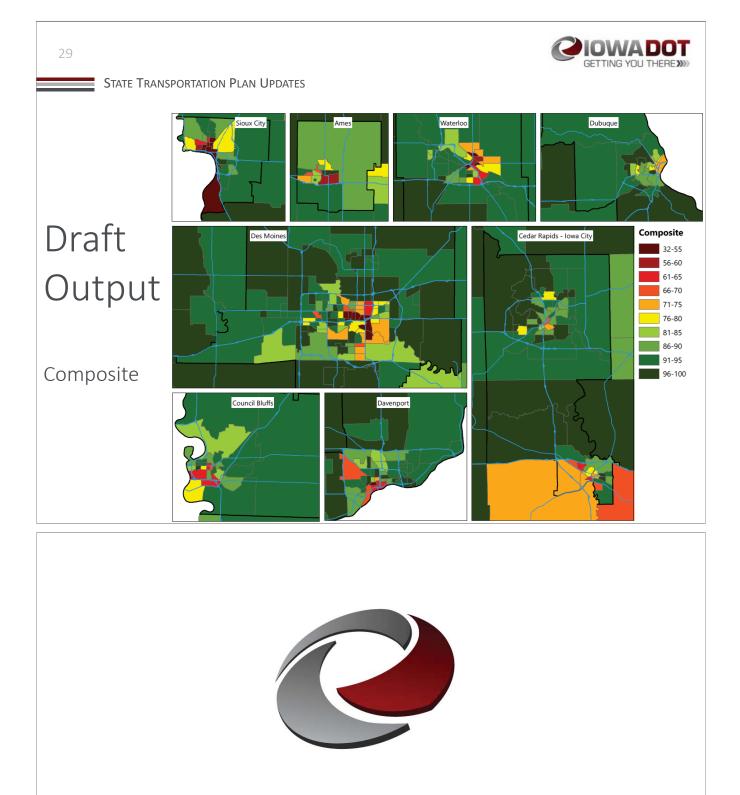
Methodology

- Calculated the average; tracts at/below mean assigned a value of 10.
- Very high values assigned a 1; remaining range is divided into values 2-9.
 - Values above two standard deviations above the mean were assigned a 1.
- Ten attributes; each attribute had a possible value of 1-10.
- Summed individual scores to determine composite score.
- Lower composite scores indicate the most 'need'; maximum composite score of 100 indicates the least 'need'.









QUESTIONS?

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