# Thinking outside the box to integrate equity into transportation planning efforts in the Greater Chattanooga region

Reflecting on an MPO's evolving approach to meeting the intent of planning requirements related to transportation equity



https://bit.lv/3F6nw77

1 Introduction

Why equity matters at the MPO scale

Past equity work

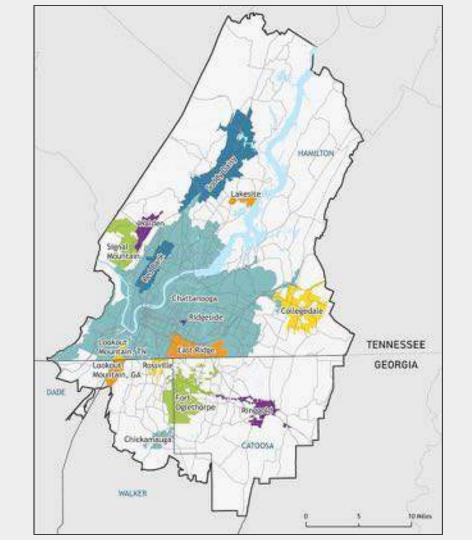
Current equity work

5
Key takeaways for planners

6 Q & A

## Metropolitan Planning Organizations & Regional Planning

- What is an MPO?
- Regional planning, often as an intermediary
- Long range (20+ years) plans



### How & Why Equity Matters at this Scale

 Key decisions occur at the regional scale that affect how federal transportation funds are implemented, which directly impacts the built environment and how people travel

 Investments reflect values, and most funding for transportation improvements flows through the MPO process

• Regional, long-range planning offers a unique perspective

 Without an equity lens, these decisions can have inequitable benefits and burdens to people throughout the region





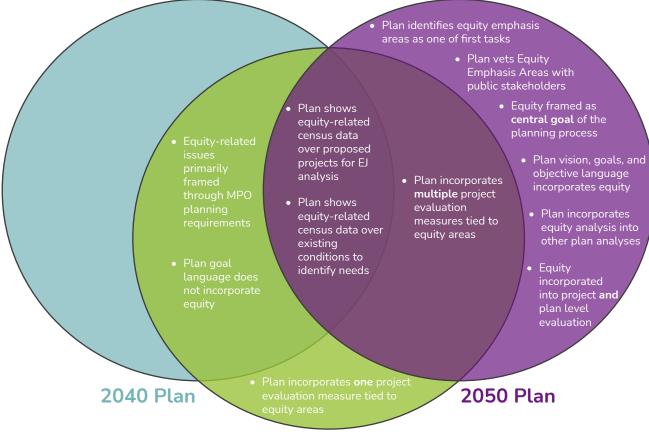
Safe Routes to School National Partnership, Carrie Turner Photography

### Past Incorporation of Equity into Transportation Plans

- Alignment with regulations equity approach framed as requirement of the process
- Primarily retrospective look
- Disjointed analysis: Identify current needs then map proposed projects alongside environmental justice populations

In addition to identifying current needs for disadvantaged populations as they relate to the areas outlined above, the proposed investments for the 2040 RTP were mapped against environment justice areas to assess Plan impacts on these communities (Figures 9.10-9.12). Note that the definition of "disadvantaged" for the environmental justice analysis was refined to focus on low income and minority populations only. Elderly populations were removed from the analysis given the large portions of the region with elderly population. This enabled a more refined assessment of Plan impacts on environmental justice communities, in particular, low income and minority populations. Results of the environmental justice analysis indicate:

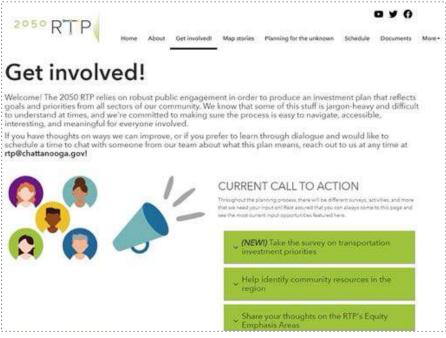
### **Evolving Approach**



**2045 Plan** 

### 2050 Regional Transportation Plan





https://2050rtp-chcrpa.hub.arcgis.com/

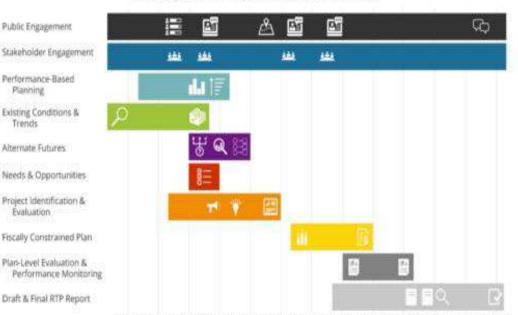
### What We're Doing Now

#### 2050 RTP approach to equity

- Community Advisory Committee
- Equity Emphasis Areas (EEAs)
- Level of Traffic Stress for Bicyclists and Pedestrians
- Improving Access to Community Resources
- Transit and Multimodal Potential Areas
- Electric Vehicle (EV) Opportunity Areas
- Project identification
- Project-level evaluation
- Plan-level evaluation

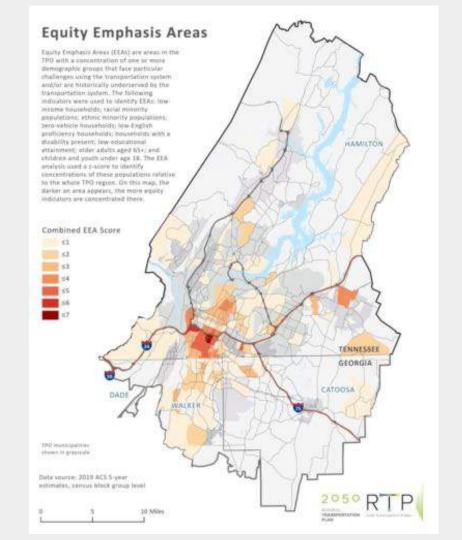


#### 2050 Regional Transportation Plan Schedule



### **Equity Emphasis Areas**

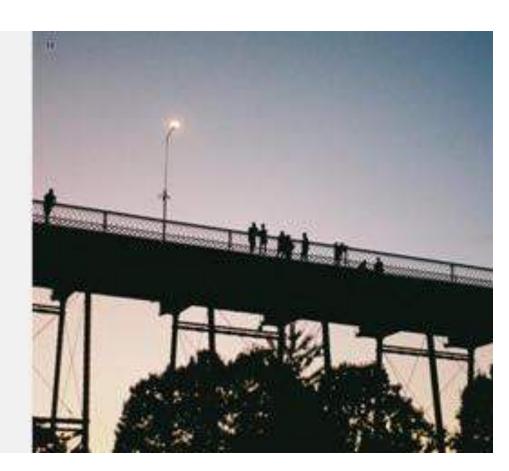
- Low-income households
- Zero-vehicle households
- Low-English proficiency households
- Households with a disability present
- Individuals of Hispanic and/or Latin American ethnicity
- Individuals of Black, Asian, Native American, and other minority (non-white) races
- Adults 25+ with low educational attainment (less than a high school diploma)
- Older adults age 65+
- Children and youth under age 18
- Public input

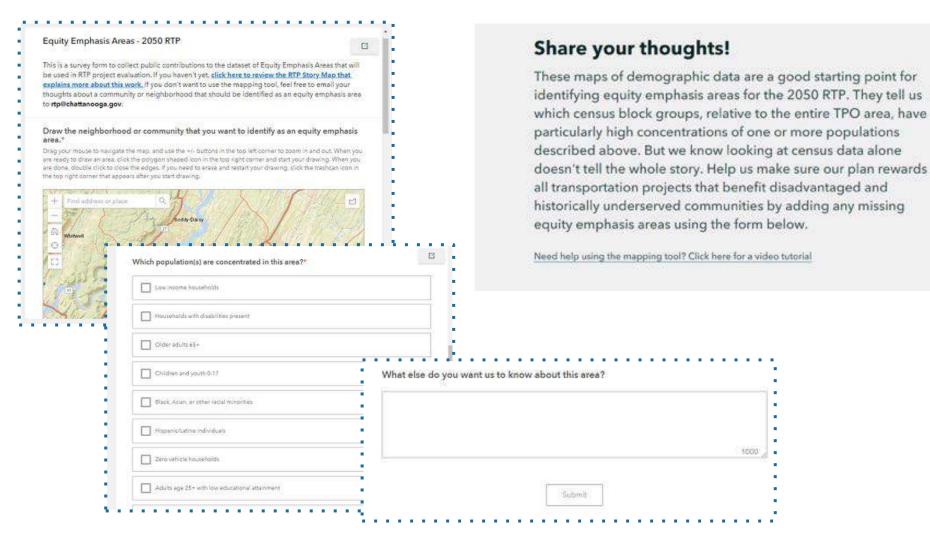


### **Equity Emphasis Areas for Transportation Investments**

Mapping traditionally underserved communities in the Chattanooga TPO area

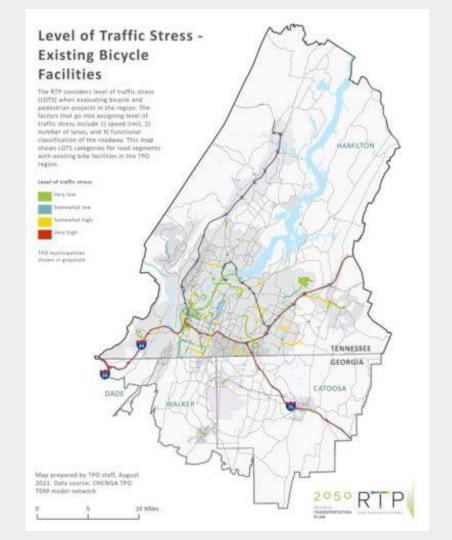
Ceroline Balgle | January 16, 2021





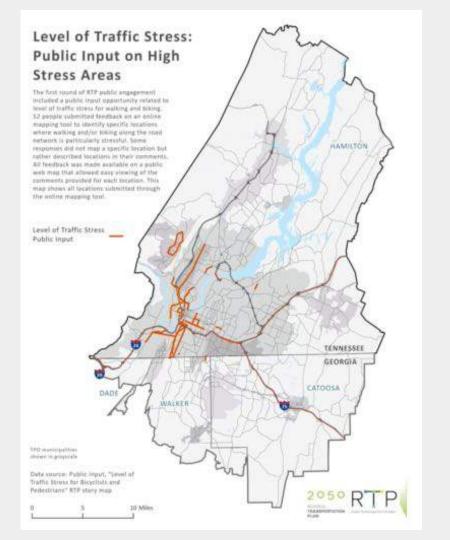
### Level of Traffic Stress for Bicyclists and Pedestrians

- Identifying high stress areas for walking and biking
  - Speed limit
  - Number of lanes
  - Functional classification



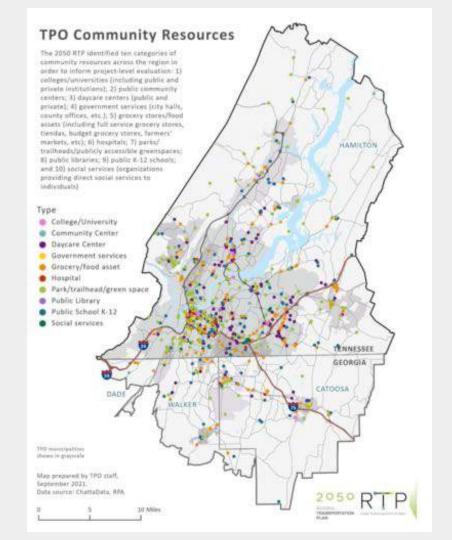
### Level of Traffic Stress for Bicyclists and Pedestrians

- Public input opportunity
- Special consideration for vision-impaired pedestrians who are especially vulnerable



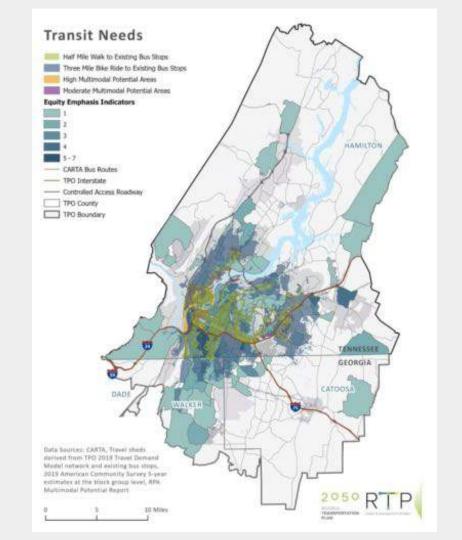
### Improving Access to Community Resources

- Re-evaluated & updated definition of community resources
- Public input opportunity



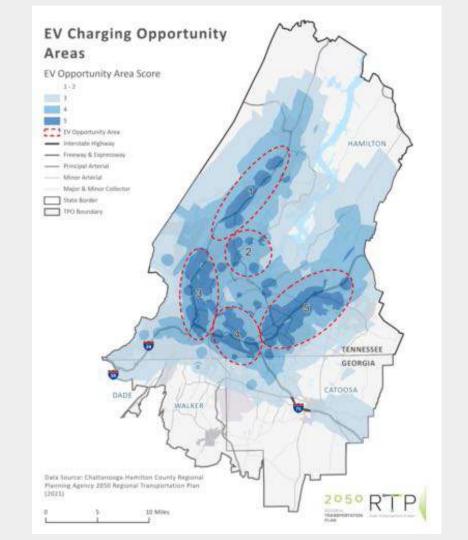
### Transit and Equity Emphasis Areas

- Drawing connection between transit access and access to opportunities
- Extra attention on areas with biggest potential for impact: Multimodal potential areas
  - Planned moderate and high frequency transit routes
  - Walk/bike sheds
- Transit access in Equity Emphasis Areas



### **EV Opportunity Areas**

- Identified existing EV charging inventory by type
- Established four criteria for EV charging opportunity areas
  - Alternative fuel corridors
  - Accessibility justice to EV charging
  - Points of interest
  - Multifamily buildings and office buildings
- Incorporated public input obtained via story map



### **Electric Vehicle Charging Stations**

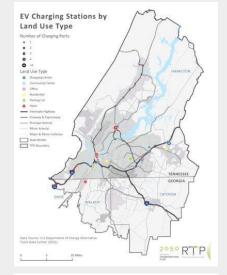
Identification of Electric Vehicle (EV) Charging Opportunity Areas

Stockers because Purker

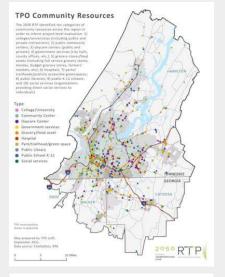


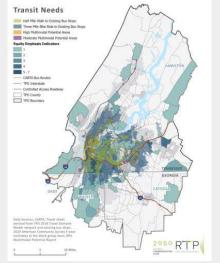
### **Project Identification**

- EV charging infrastructure
- Community resources
- Level of traffic stress
- Transit stop amenities analysis, travel sheds, mobility options
   & access









### **Project-Level Evaluation Metrics**

"Project improves infrastructure conditions within an Equity Emphasis Area"

Bridge or pavement maintenance project within an EEA

"Project improves multimodal access options and experiences between transit (bus stops) or community resources and EEAs"

Bike, ped or transit project connecting equity emphasis area to a community resource

• Project limits within equity emphasis area and within ½ mile walk shed or 3 mile bike shed of a community resource (bike and ped projects must connect to the community resource directly or via existing infrastructure without documented gaps)

OR bike or ped project connecting equity emphasis area to transit,

• Project limits within equity emphasis area and within ½ mile walk shed or 3 mile bike shed of bus stop; must connect to bus stop directly or via existing infrastructure without documented gaps



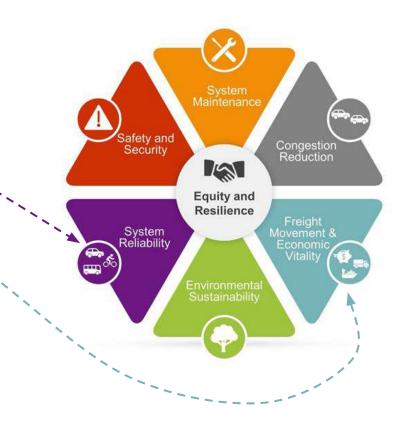
<u>Plan</u>-Level Evaluation & Performance Monitoring

#### Plan-Level Evaluation

- "Number of Proposed Projects Benefiting Equity Emphasis Areas"
- "Percent of Population and Jobs with Transit Access (Hi/Low Frequency)"

#### **Performance Monitoring**

- Federally required PM 1, 2, & 3 performance measures
- Transit Asset Management and State of Good Repair performance measures
- Congestion Management Plan performance measures



### **Coordinated Plan Applications**

Translating the RTP long range vision into shorter term investments

### **Projects implemented:**

- Accessible vehicle purchases for transit providers & nonprofit agencies
- Funding for volunteer driver program
- ADA sidewalk improvements at transit stops with high ridership from individuals with disabilities/older adults
- Orientation/mobility training on sidewalks & transit for individuals with vision impairment
- Contracts for nonprofit agencies to provide transit services to clients







### **Key Takeaways for Planners**

- Think beyond the requirements towards the **spirit of the regulations**, and learn to see where there is flexibility: often in more places than we realize
- Incorporate a view towards furthering equity from the very beginning of a planning process rather than retrospectively
- Consider what you don't know and what technical analysis can't tell you
  - Census data sources and approach for EEAs
- Be willing to let your approach evolve
- Provide opportunities to engage those that do not have home internet access
  - Use public libraries and provide instructions for accessing & using virtual materials

### Key Takeaways for Planners (Cont.)

- Consider anti-displacement strategies
  - Community benefits agreements (CBAs), community land trusts (CLTs),
     property tax assistance, home repair assistance, etc.
  - Additional information available in white paper
     <a href="https://modernmobilitypartners.com/wp-content/uploads/2021/06/Anti-Displacement-Strategies-for-Equitable-Transportation-Planning.pdf">https://modernmobilitypartners.com/wp-content/uploads/2021/06/Anti-Displacement-Strategies-for-Equitable-Transportation-Planning.pdf</a>
- Putting equity lens on the front end and thinking outside the boundaries of the specific plan
  - Coordinate with other implementers to ensure that the intent of projects is being met across the board

### **Contact**







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