Delaware Department of Transportation

Council on Transportation

June 20, 2019

# DelDOT

**Project Prioritization Weighting Process** 

DelDOT

# **Agenda**

- Proposed DelDOT Project Prioritization Criteria
- New Criteria
  - Social and Health Elements
  - State and Local Priority
    - State Strategies
    - Local Priority

# **DelDOT**

| Mission      | Vision  | Goal   | Prioritization Criteria   | Prioritization Sub-Criteria  |
|--------------|---|--|---|--|
| Every Trip   | We strive to make every trip taken in Delaware safe, reliable and convenient for people and commerce.   | <ul> <li>Minimize the number of fatalities and injuries on our system</li> <li>Build and mainain a nationally recognized system benefiting travelers and commerce</li> </ul>           | <ul> <li>Safety</li> <li>System Operating</li> <li>Effectiveness</li> <li>State and Local Priority</li> </ul>     | -New Safety Scores -No. of Strategies addressed in the Strategic Highway Safety Plan - Apply TMPC operation data -Identified as Congestion Corridors by MPO, Comprehensive Plans, and/or Planning Studies - State and Local Priority |
| Every Mode   | We provide safe choices for travelers in<br>Delaware to access roads, rails, buses,<br>airways, waterways, bike trails, and walking<br>paths. | <ul> <li>Provide every traveler with access<br/>and choices to our transportation<br/>system</li> </ul>  | <ul> <li>Multimodal<br/>Mobility/Flexibility/<br/>Access</li> </ul>   | <ul><li>Multimodal<br/>Mobility/Flexibility/ Access</li></ul>  |
| Every Dollar | We seek the best value for every dollar spent for the benefit of all.   | <ul> <li>Minimize the environmental impact of the state's transportation system</li> <li>Achieve financial sustainability through accuracy, transparency and accountability</li> </ul> | <ul> <li>Environmental<br/>Impact/Stewardship</li> <li>Revenue Generation and<br/>Economic Development</li> </ul> | <ul> <li>Environmental</li> <li>Impact/Stewardship</li> <li>Identified in a Transportation</li> <li>Improvement District (TID)</li> <li>Cost-sharing Support</li> <li>Freight Corridor</li> <li>Economic Impact</li> </ul>           |
| Everyone     | We provide safe choices for travelers in Delaware to access roads, rails, buses, airways, waterways, bike trails, and walking paths.          | <ul> <li>Develop and maintain a place<br/>where talented and motivated<br/>employees love to work and can be<br/>national leaders in transportation</li> </ul>                         | <ul> <li>Impact of the<br/>Public/Social<br/>Disruption/Environmental<br/>Justice</li> </ul>                      | – Social and Health Elements   |

### CTP Project Prioritization Criteria Comparison

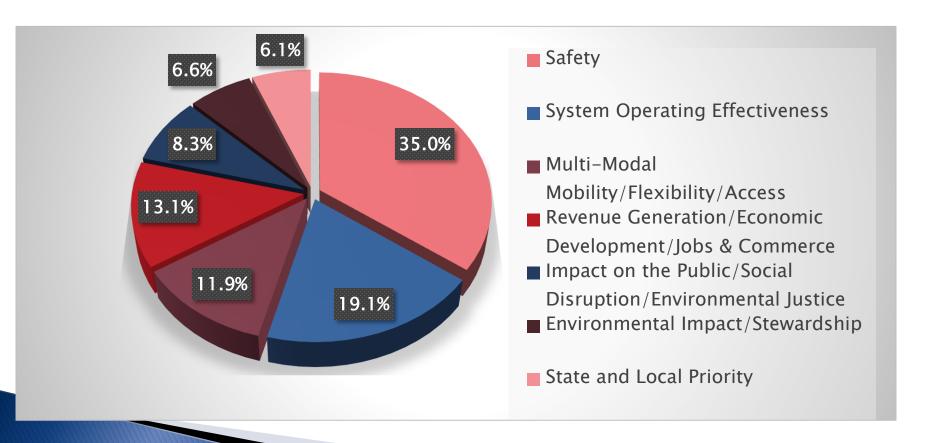
#### **Existing**

- Safety 33.0%
- System Operating Effectiveness 24.8%
- Multi-Modal Mobility, Flexibility/Access > 15.6%
- Revenue Generation/Economic
   Development/Jobs and Commerce 7.9%
- Impact on the Public/Social
   Disruption/Environmental Justice 7.2%
- Environmental Impact/Stewardship 6.5%
- System Preservation 5%

#### **Proposed**

- Safety 35.0%
- System Operating Effectiveness 19.1%
- Multi-Modal Mobility, Flexibility/Access -11.9%
- Revenue Generation/Economic Development/Jobs and Commerce – 13.1%
- Impact on the Public/Social
  Disruption/Environmental Justice 8.3%
- Environmental Impact/Stewardship 6.6%
- ▶ State and Local Priority –6.06%

### Proposed DelDOT CTP Prioritization Criteria



### Proposed Prioritization Criteria

#### Current Quantitative Criteria (77.2%):

- Safety (35.0% from 33.0%)
- System Operating Effectiveness (19.1% from 24.8%)
- Revenue Generation/Economic Development/Jobs & Commerce (13.1% from 7.9%)
- Social and Health Elements (3.9%)
- State and Local Priority (6.1% from 5% of System Preservation)

#### Current Qualitative Criteria (22.8%):

- Multi-Modal Mobility/Flexibility/Access (11.9%)
- Impact on the Public/Social Disruption/Economic Justice (4.3% from 7.2%)
- Environmental Impact/Stewardship (6.6% from 6.5%)

- ▶ Impact on the Public/Social Disruption/Economic Justice (8.28%)
  - Assess the extent to which the project supports investment in existing communities and provides community enhancements such as sidewalks, safe routes to school, etc.
    - Keep for connectivity purpose
  - Social and Health Elements
    - EPA EJ Screens Demographic Indicators (https://ejscreen.epa.gov/mapper/)
      - Percent low income pop\*
      - Percent of minority pop\*
    - \*= Per USDOT Environmental Justice Strategy (November 15, 2016)

# Impact on the Public/Social Disruption/Environmental Justice Criteria Comparison

### **Existing**

- Impact on the Public/Social Disruption/Environmental Justice (7.2%)
  - Assess the extent to which the project supports investment in existing communities and provides community enhancements such as sidewalks, safe routes to school, etc. - 7.2%

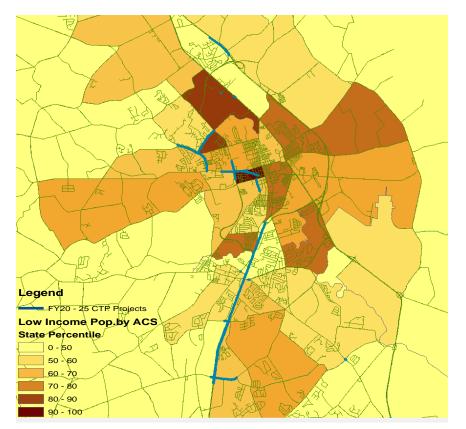
# **Proposed**

- Impact on the Public/Social Disruption/Environmental Justice (8.28%)
  - Assess the extent to which the project supports investment in existing communities and provides community enhancements such as sidewalks, safe routes to school, etc. - 4.33%
  - Social and Health Elements 3.95%

### Social and Health Elements

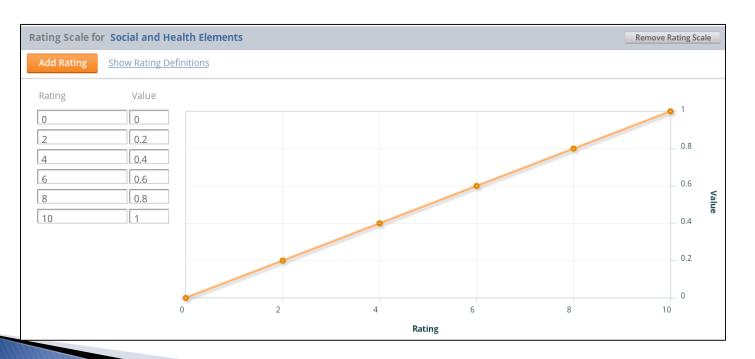
# Scale for 50 – 100 percentile (Above State Average)

- 5 pt. for 90 100 percentile
- 4 pt. for 80 90 percentile
- 3 pt. for 70 80 percentile
- 2 pt. for 60 70 percentile
- 1 pt. for 50 60 percentile
- Max. pt. = 10
  - 5 for Low Income Population
  - 5 for Minority
- Min. pt. = 0



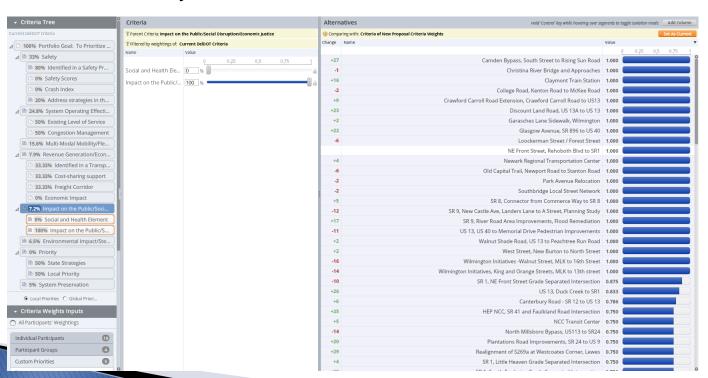
# Social and Health Elements

### Rating Scale



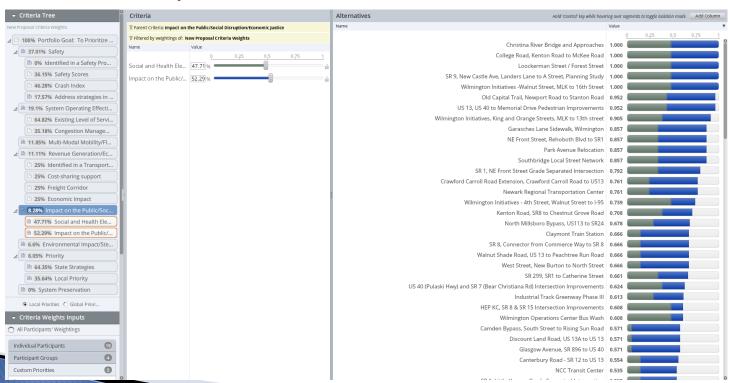
### No Social and Health Elements

Criteria Sensitivity screen shot from Decision Lens



### Social and Health Elements

Criteria Sensitivity screen shot from Decision Lens



#### System Preservation (Delete)

- Assess the extent to which a project contributes towards system preservation and is identified through an existing preservation program
- DelDOT currently has a system preservation program for bridge, roadway pavement, signage, etc.
  - Only 12 of 107 projects have scored on this criteria.

### CTP Project Prioritization Criteria Comparison

System Preservation (5.0%)

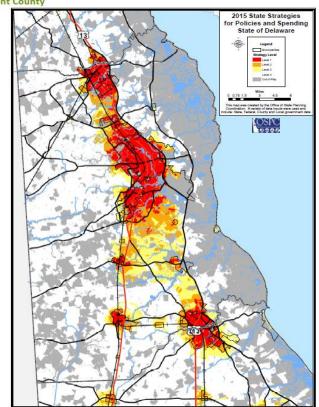
- State and Local Priority (6.06%)
  - State Strategies 3.92%
  - Local Priority 2.14%

- ► State and Local Priority (6.06%)
  - Delaware Strategies for State Policies and Spending
    - Prepared by Delaware Office of State Planning Coordination
      - Project Type matches the State Investment Level
      - Scheduled to be updated in 2020.

(continued) Kent County

#### Four Types of Investment Levels for Transportation

- Level 1: Investment Level 1 Areas are often municipalities, towns, or urbanizing area
- Level 2: Less developed areas within municipalities; near Level 1 areas and rapidly growing areas in the counties
- Level 3: Lands that are adjacent to or intermingled with fastgrowing areas within counties or municipalities
- Level 4: Rural in nature, open space/natural areas and agricultural industry



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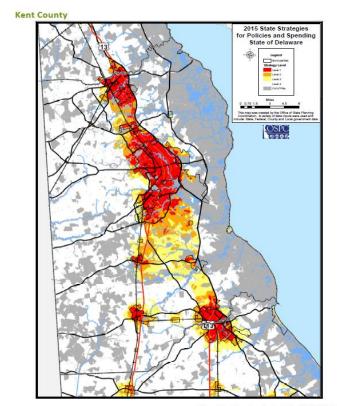
- Typical Level 1 and 2 area Transportation Investment:
  - Preserving existing facilities
  - Safety improvements
  - Context-sensitive transportation
  - System Capacity Enhancements
  - Transit system enhancements
  - ADA accessibility; closing gaps in the pedestrian system, including the Safe Routes to School projects.
  - Bicycle facilities
  - Signal-system enhancements
  - Interconnectivity of neighborhoods, and public facilities

(continued)

- Typical Level 3 Transportation Investment:
  - Focus on regional movements between towns and other population centers.
  - Developers and property owners will make local roadway improvements
  - Lower priority to transportation system-capacity improvements and transit-system enhancements.
- Typical Level 4 Transportation Investment:
  - o Preserve and maintain existing facilities in safe working order
  - Corridor-capacity preservation
  - Enhancement of transportation facilities to support agricultural business.

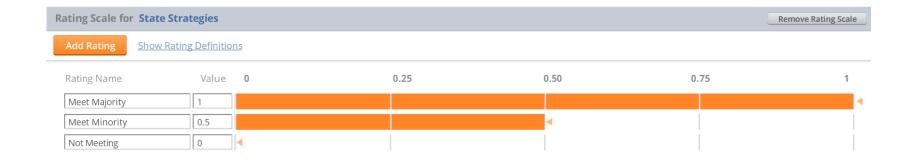
#### Project Match Investment Level

- Full score if Project meet more than halve of the 2015 Delaware State Strategies needs based on Level 1, 2, 3, or 4
- 50 percent score if Project partially meet (less than halve) of the 2015 Delaware State Strategies needs based on Level 1, 2, 3, or 4



Adopted by Executive Order 59, April 14, 2016 | 17

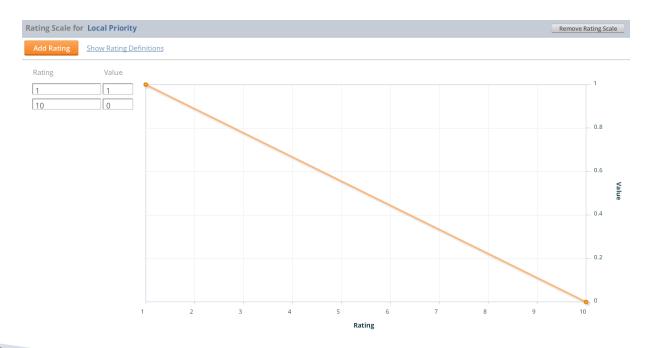
### Rating Scale



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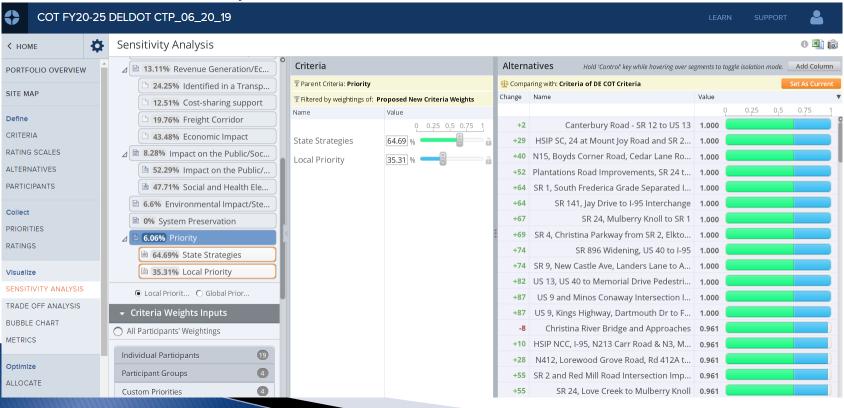
- State and Local Priority (New)
  - Local Priority: Top ten projects identified by Delaware MPOs and Sussex County that are supported by the local and/or state planning efforts could be given a higher weight in Decision Lens
    - Top ten (10) Local Priority Projects from each MPOs or Sussex County will be scored.
      - Each program year may have 3 projects ranked No. 1.
        - By the MPOs/Sussex

### Rating Scale



# State and Local Priority

Criteria Sensitivity screen shot from Decision Lens



# Question?