DURHAM · CHAPEL HILL · CARRBORO DOCLASSING METROPOLITAN PLANNING ORGANIZATION

PLANNING TOMORROW'S TRANSPORTATION

Congestion Management Process (CMP) – Bicycle Level of Traffic Stress (LTS)

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Bicycle Level of Traffic Stress (LTS)

Originally developed by the Meneta Transportation Institute in 2012

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- Identifying streets that are low-stress for bicyclists
- Bike LTS framework is based on a hierarchy of roadway characteristics, including:
 - 1) traffic speed and volume,
 - 2) presence and type of bicycle facility,
 - 3) roadway cross-section, and
 - 4) land use context

Bicycle Level of Traffic Stress (LTS) – Methodology



- FDOT's Bike LTS method suited for planning applications
- Professional judgment where data were not available, such as
 - 1) Width of the bicycle lane,
 - 2) on-street parking, separation from the travel lanes,
- Preliminary results and requires review by planners from local jurisdictions
- Quality of the roadway network is assessed on a 5- point scale:
 - 1 Very Low Stress; reflecting that the facility is more inviting to more types of bicyclists including most children
 - ✤ 2 Low Stress; reflecting that the facility is suited for most adults as it has marked bicycle lane
 - ✤ 3 Moderately Low Stress; reflecting that the facility is suited for many adults
 - 4 Moderate Stress; reflecting that the facility is suited for some adults
 - ✤ 5 High Stress; reflecting that the facility is suited only for experienced bicyclists
 - 99 Bicycle Access Prohibited

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Preliminary LTS Results – MPO area





Preliminary LTS Results – Downtown Durham





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Preliminary LTS Results – Chapel Hill & Carrboro





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Preliminary LTS Results – Hillsborough





Preliminary LTS Results – South Point & RTP



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