

Bicycle Level of Traffic Stress (LTS) Analysis for RPC Region Roads

FHWA Measuring Multimodal Network Connectivity Pilot Grant

LTS Rating	LTS Rating Description	Population Class
LTS 1	Lowest stress, suitable for all riders	Kids and Beginners
LTS 2	Lower stress, suitable for adults with some experience	Willing but Wary Riders
LTS 3	Moderate stress, suitable for those who ride regularly	Comfortably Confident Riders
LTS 4	High-stress, suitable for experienced riders with tolerance to high speeds and traffic	Exposure-Experienced Riders

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What is Level of Traffic Stress?
Level of Traffic Stress (LTS) is a tool for rating the bikeability of roadways recognizing that people have differing tolerance for traffic when riding. The LTS model incorporates traffic speed, traffic volumes, shoulder width, the presence of parking and bike lanes. Initial model results are mapped here. RPC is collecting public input to validate these results or identify where the model over- or under-estimates traffic stress.

