Managing Traffic Speeds and Reaping Safety, Climate and Other Benefits

April 26th, 2021

Mobility and Development Webinar
3. INFRASTRUCTURE SOLUTIONS TO ADDRESS SPEED, INCLUDING COVID-19 BUILD BACK BETTER

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WHO ARE THE ROAD USERS?
POSTED SPEED LIMITS

A road without Speed limit
POSTED SPEED LIMITS

The same road with Speed limit

Provides information to drivers
Sets expectations
Should match driver’s perception
And other issues such as the type of road, land use etc.
Traffic calming is the use of infrastructure designed and installed to slow down traffic and to reduce unnecessary through traffic.

- Vertical displacement
- Horizontal displacement (e.g. lane narrowing)
- Signs and markings
- Gateway treatments
- Surface changes
- All of these.....

GOOD TRAFFIC CALMING SHOULD MAKE DRIVERS FEEL LIKE THEY ARE SHARING ROAD SPACE, INCLUDING WITH VULNERABLE ROAD USERS.
RISK FACTORS ON ROADS OUTSIDE BUILT-UP AREAS

Source: theconstructor.org/transportation/geometric-design-of-highways-factors/20897/
SPEED REDUCTION OUTSIDE BUILT-UP AREAS

Transition Zones

No infrastructure change

Gateways
SPEED REDUCTION OUTSIDE BUILT-UP AREAS

- Speed humps
- Speed cushions
- Speed table
SPEED REDUCTION IN BUILT UP AREAS

Roundabouts

Carriageway narrowing at pedestrian crossings

Wide central line marking
RISK FACTORS ON ROADS IN BUILT UP AREAS

Source: Alcaldía Bucaramanga - Streetmix
SPEED REDUCTION IN BUILT UP AREAS

- Raised Zebra Crossing
- Chevron Marking
- Chicane
- Gateway Treatment
- Raised Junction
- Lane narrowing
SPEED REDUCTION IN BUILT UP AREAS

Roundabouts

Source: NACTO
COVID-19 BUILD BACK BETTER

Source: thecityfix.com/blog/how-bogota-is-turning-7000-citizen-proposals-into-a-real-plan-to-redesign-a-major-thoroughfare/
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