

Bloomberg Philanthropies' Initiative for Global Road Safety

Key outcomes from WB GRSF's
engagement in BIGRS 2015-2019



GLOBAL KEY OUTCOMES

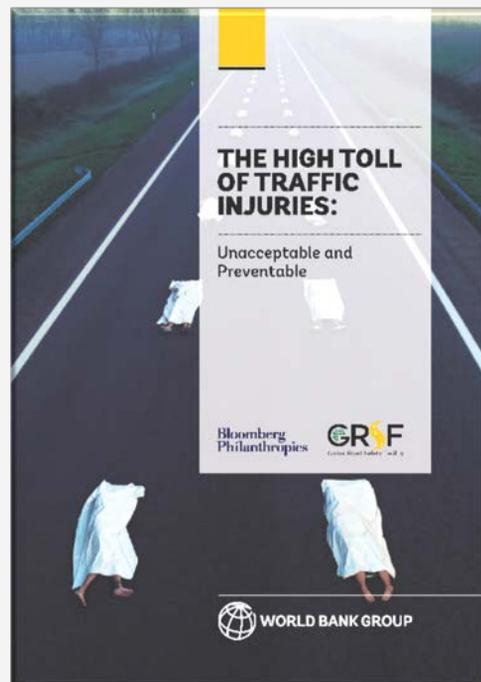
PROJECT METRICS

- Length of roads surveyed and assessed:
15,325 km
- Length of roads where designs, scenarios or implementation have been star rated:
6,653 km
- Length of construction completed based on iRAP survey recommendations:
944 km
- Number of professionals trained on road safety:
10,669 persons

The High Toll of Traffic Injuries – Global Report

Report on the socio-economic impact as a result of road injuries in the five selected countries, together with dissemination workshops and BBLs in Manila, Beijing, Singapore, Bangkok, Dar Es Salaam.

*Estimated lives saved through road safety improvements already included in designs or implemented from BIGRS 2015-2019:
7,000 persons.*



ACCRA

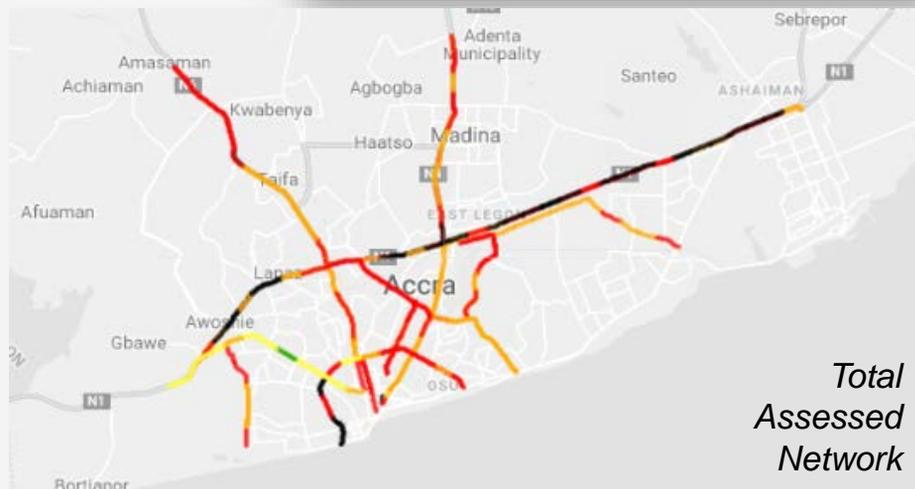
PROJECT METRICS

- Length of roads surveyed and assessed: **260 km**
- Length of roads where designs, scenarios or implementation have been star rated: **183 km**
- Length of construction completed based on iRAP survey recommendations: **74 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **5,243+ persons**
- Number of professionals trained on road safety: **164 persons**

Improved lane markings and provision of a new pedestrian footbridge



Improved pedestrian crossings

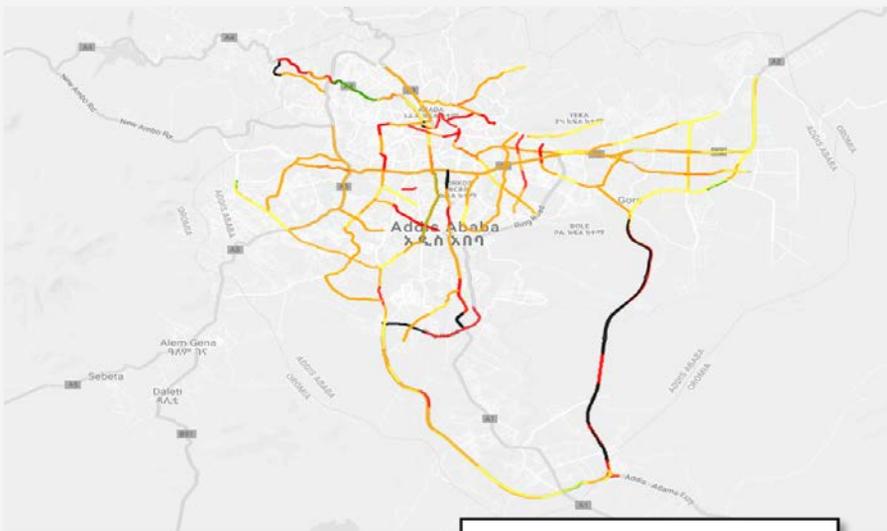


ADDIS ABABA

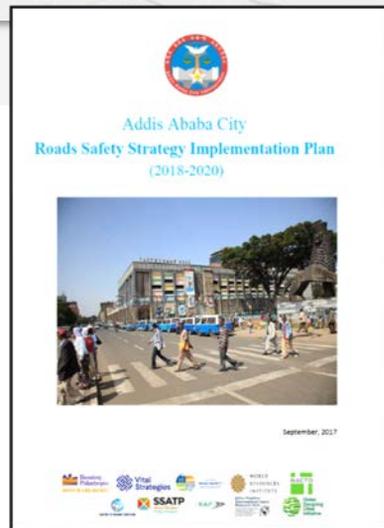
PROJECT METRICS

- Length of roads surveyed and assessed: **535 km**
- Length of roads where designs, scenarios or implementation have been star rated: **546 km**
- Length of construction completed based on iRAP survey recommendations: **89 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **10,206+ persons**
- Number of professionals trained on road safety: **508 persons**

New pedestrian walkways as part of Phase 1: 79km improvements



Total Assessed Network



BANDUNG

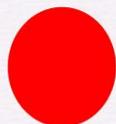
PROJECT METRICS

- Length of roads surveyed and assessed: **172 km**
- Length of roads where designs, scenarios or implementation have been star rated: **15 km**
- Length of construction completed based on iRAP survey recommendations: **8 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **12,312+ persons**
- Number of professionals trained on road safety: **206 persons**

One week Road Safety Planning, Design and Engineering workshop delivered together with NACTO GDCL, August 2018.



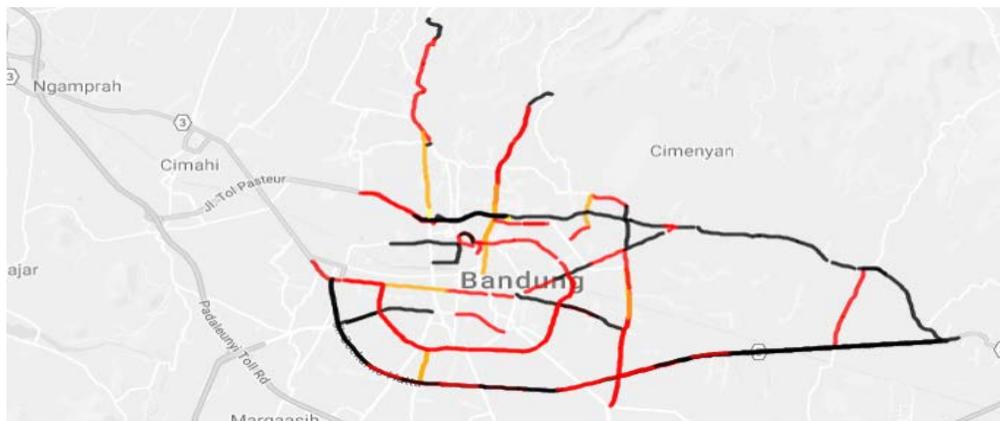
30% of roads where pedestrians are present and traffic flows at 40km/h or more have no footpath



100% of roads with high motorcycle flows (>=20% of total) and traffic flows at 60km/h or more have no motorcycle facilities



58% of intersections where traffic flows at 60km/h or more have no roundabout, protected turn lane or interchange



Total Assessed Network



BANGKOK & THAILAND

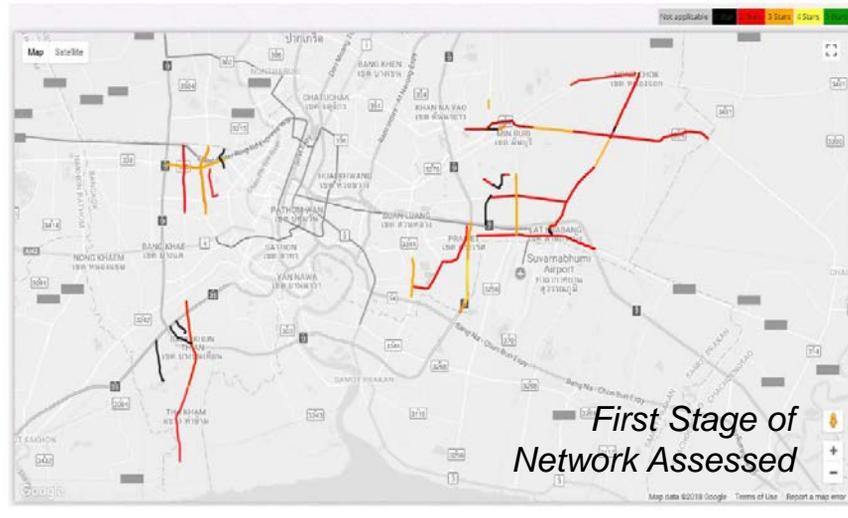
PROJECT METRICS

- Length of roads surveyed and assessed: **1,334 km**
- Length of roads where designs, scenarios or implementation have been star rated: **267 km**
- Length of construction completed based on iRAP survey recommendations: **31 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **16,130+ persons**
- Number of professionals trained on road safety: **846 persons**

Establishment of Chulalongkorn University as an iRAP Centre of Excellence - ThaiRAP



รูปที่ 5 แผนที่ Star Rating สำหรับถนนที่สำรวจทั้งหมด



First Stage of Network Assessed

BEFORE



AFTER



Yaowarat Road, Bangkok



BOGOTÁ

PROJECT METRICS

- Length of roads surveyed and assessed: **200 km**
- Length of roads where designs, scenarios or implementation have been star rated: **200 km**
- Length of construction completed based on iRAP survey recommendations: **77 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **6,410+ persons**
- Number of professionals trained on road safety: **1,565 persons**

Site inspection during a training workshop on road safety barriers on Av. Circunvalar



Example of a poor end treatment on Av. Circunvalar

Improvement of guardrails on Avenida Circunvalar



BEFORE



AFTER

Improvements to cycling and pedestrian infrastructure along Calle 80



FORTALEZA

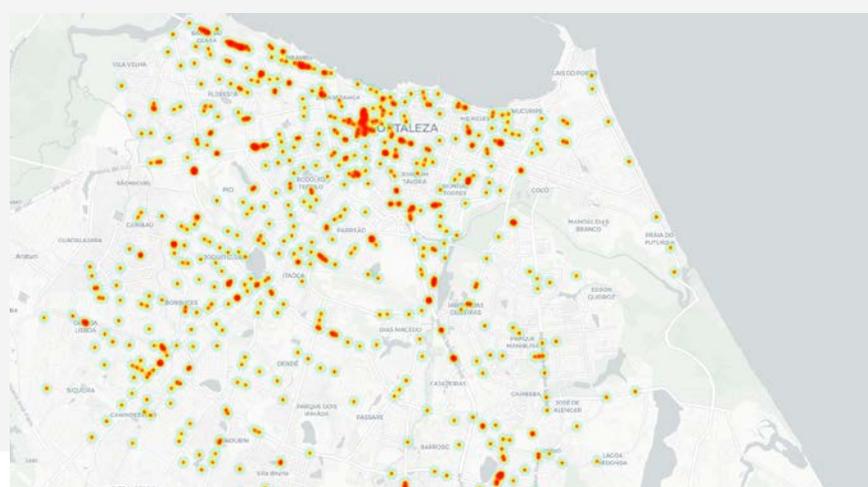
PROJECT METRICS

- Length of roads surveyed and assessed: **143 km**
- Length of roads where designs, scenarios or implementation have been star rated: **57 km**
- Length of construction completed based on iRAP survey recommendations: **51 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **7,890+ persons**
- Number of professionals trained on road safety: **113 persons**

Speed Management and bicycle facilities implemented on Avenida Leste - Oeste



Crash Data system upgrade using DRIVER



Road Safety Improvements along Avenida Osório de Paiva



HO CHI MINH CITY

PROJECT METRICS

- Length of roads surveyed and assessed: **308 km**
- Length of roads where designs, scenarios or implementation have been star rated: **77 km**
- Length of construction completed based on iRAP survey recommendations: **16 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **2,198+ persons**
- Number of professionals trained on road safety: **823 persons**

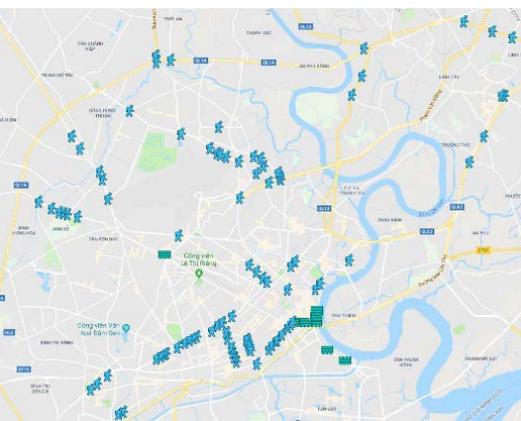
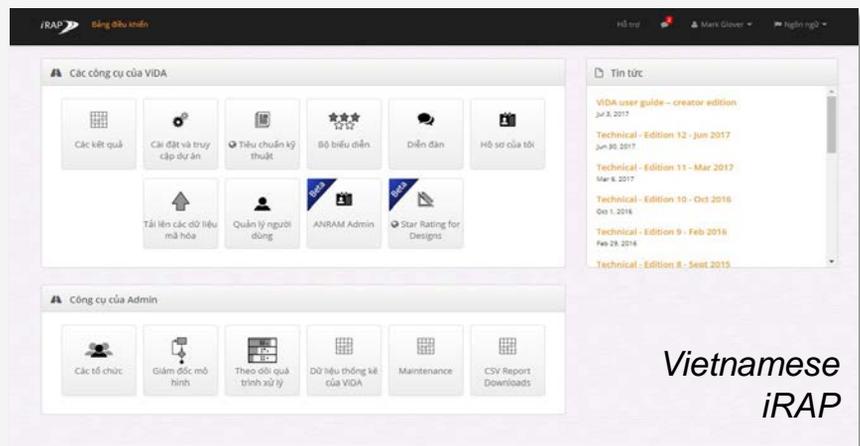
Piloted the Star Rating for Schools App together with the AIP Foundation on 37 schools along the Bank's BRT project. Four schools have already been upgraded to 3+ stars.

1. Tiểu học Kết Đoàn



Tóm tắt khảo sát

Thuộc tính đường	Số điểm khảo sát có	% trên tổng số điểm khảo sát
Có khu vực trường học	2	40%
Có biển báo khu vực trường học	1	20%
Có người hỗ trợ học sinh sang đường	1	20%
Nhiều phương tiện dừng/đỗ	2	40%
Đường phân định rõ ràng	3	60%
Khoảng cách tầm nhìn thoáng	5	100%
Có vỉa hè bên trái	3	60%
Có vỉa hè bên phải	4	80%
Nơi sang đường có đèn tín hiệu	2	40%
Nơi sang đường có vạch kẻ cho người đi bộ	3	60%
Tình trạng các thiết bị sang đường tốt	5	100%
Giao lộ	4	80%
Tình trạng lưu thông ở giao lộ tốt	4	80%
Có gờ giảm tốc	0	0%
Tốc độ giới hạn 50km/h	5	100%



Over 300 locations were upgraded with refuge islands or raised pedestrian crossings

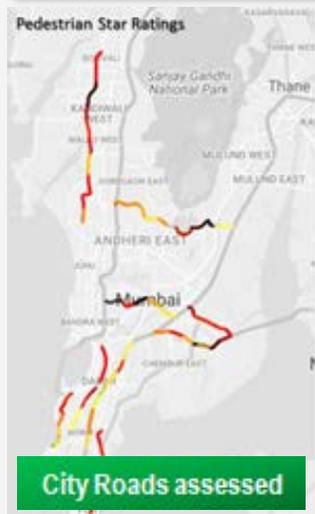


MUMBAI & INDIA

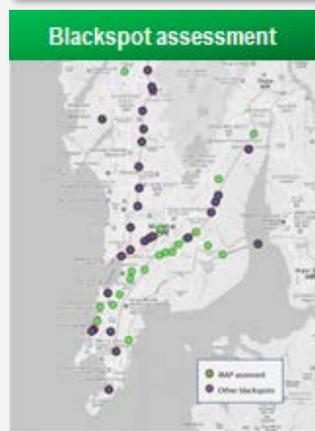
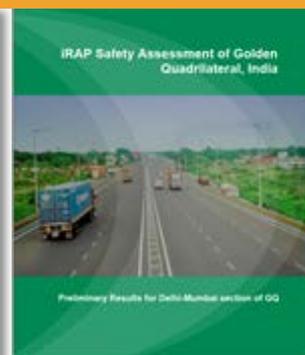
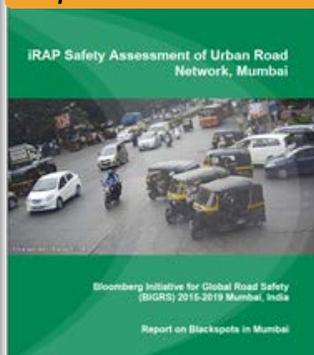
PROJECT METRICS

- Length of roads surveyed and assessed: **5,809 km**
- Length of roads where designs, scenarios or implementation have been star rated: **1,623 km**
- Length of construction completed based on iRAP survey recommendations: **3 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **109,930+ persons**
- Number of professionals trained on road safety: **886 persons**

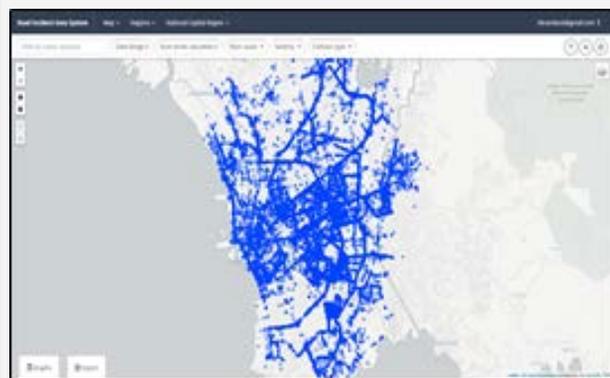
LBS Marg Sidewalk Improvement



Reports Submitted to MCGM and NHA



Crash data entered for 2015-18 and DRIVER being piloted



Workshops on iRAP and Safe Road Infrastructure for Pedestrians for NHA and MCGM officials in April 2019 and August 2018



SÃO PAULO

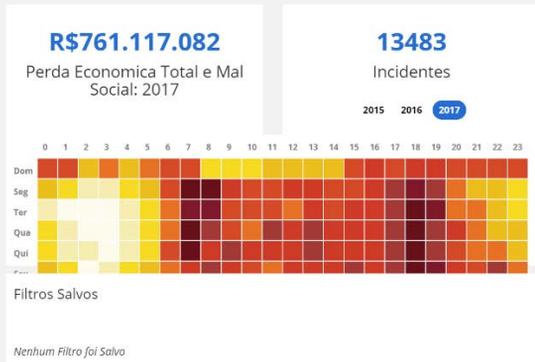
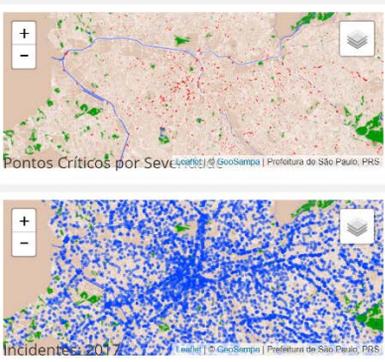
PROJECT METRICS

- Length of roads surveyed and assessed: **228 km**
- Length of roads where designs, scenarios or implementation have been star rated: **69 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **8,010+ persons**
- Number of professionals trained on road safety: **213 persons**

Assessment of Sao Paulo's inner ring road



Workshop on Road Safety Planning and Strategy to support Sao Paulo's new 10-year plan Vida Segura



São Paulo's public crash data platform based on DRIVER



SHANGHAI & CHINA

PROJECT METRICS

- Length of roads surveyed and assessed: **1,274 km**
- Length of roads where designs, scenarios or implementation have been star rated: **198 km**
- Length of construction completed based on iRAP survey recommendations: **9 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **441+ persons**
- Number of professionals trained on road safety: **624 persons**

Safer Streets and Safer Mobility Forum in Shanghai, April 2019



Upgraded Zhengtong Road, Yangpu district



BEFORE



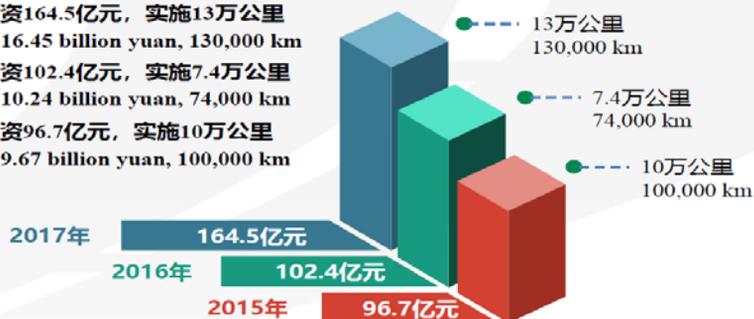
AFTER

Highway Safety to Cherish Life Program

From 2015 to 2018, Cherish Life Project were listed as one of the livelihood projects of Ministry of Transport



2017年总投资164.5亿元, 实施13万公里
Investment 16.45 billion yuan, 130,000 km
2016年总投资102.4亿元, 实施7.4万公里
Investment 10.24 billion yuan, 74,000 km
2015年总投资96.7亿元, 实施10万公里
Investment 9.67 billion yuan, 100,000 km



PHILIPPINES

PROJECT METRICS

- Length of roads surveyed and assessed: **1116 km**
- Length of roads where designs, scenarios or implementation have been star rated: **749 km**
- Length of construction completed based on iRAP survey recommendations: **447 km**
- Potential deaths and serious injuries to be prevented over 20yrs: **9,468+ persons**
- Number of professionals trained on road safety: **3,537 persons**

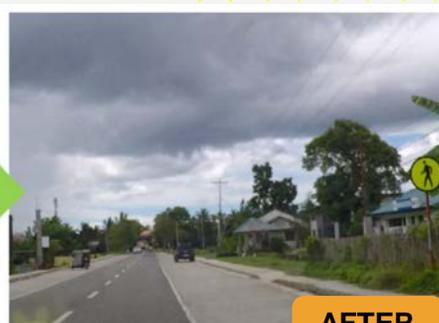
DRIVER trainings



Traffic incidents recorded since June 2018 using DRIVER



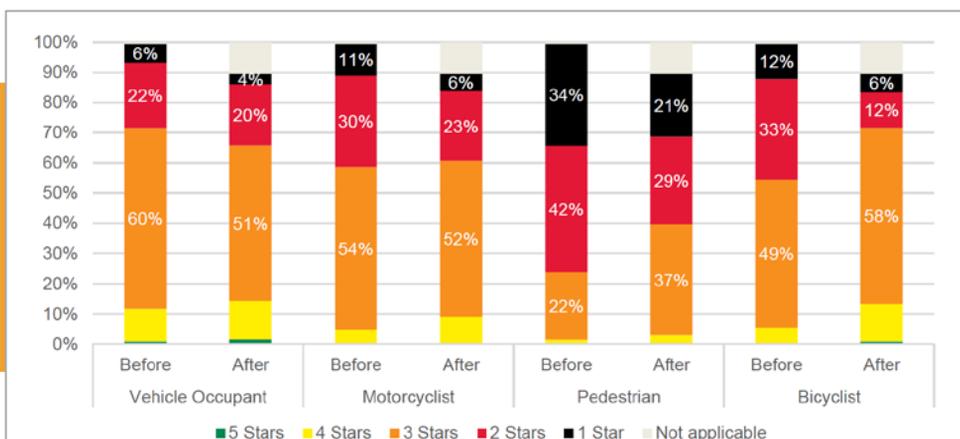
Bicycle star rating improvements on Aklan East West Road



BEFORE

AFTER

Star ratings Before & After upgrades, based on Road Safety Risk Assessment Review of the Mindoro East Coast Road



TANZANIA

PROJECT METRICS

- Length of roads surveyed and assessed: **3,945 km**
- Length of roads where designs, scenarios or implementation have been star rated: **2,671 km**
- Length of construction completed based on iRAP survey recommendations: **140 km**
- Potential deaths and serious injuries to be prevented over a 20yrs: **151,807+ persons**
- Number of professionals trained on road safety: **151 persons**

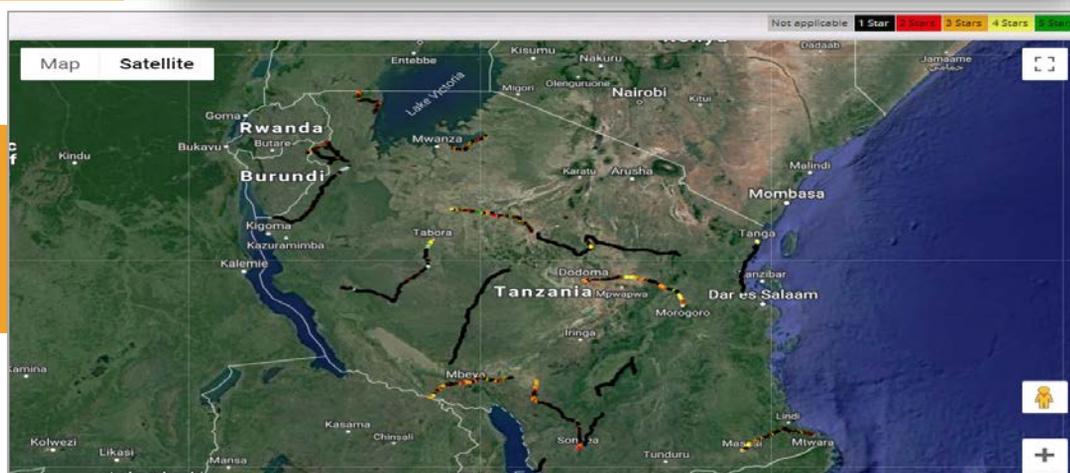
Pedestrian walkway improvement along the Mafinga-Igawa Corridor



iRAP assessments of Dar Es Salaam BRT Corridors



National level network assessment



Bloomberg Philanthropies' Initiative for Global Road Safety (BIGRS) 2015-2019 International Partners

Bloomberg Philanthropies



WORLD BANK GROUP
Transport



Global Road Safety Facility



JOHNS HOPKINS
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SCHOOL of PUBLIC HEALTH



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