One for Bangsamoro

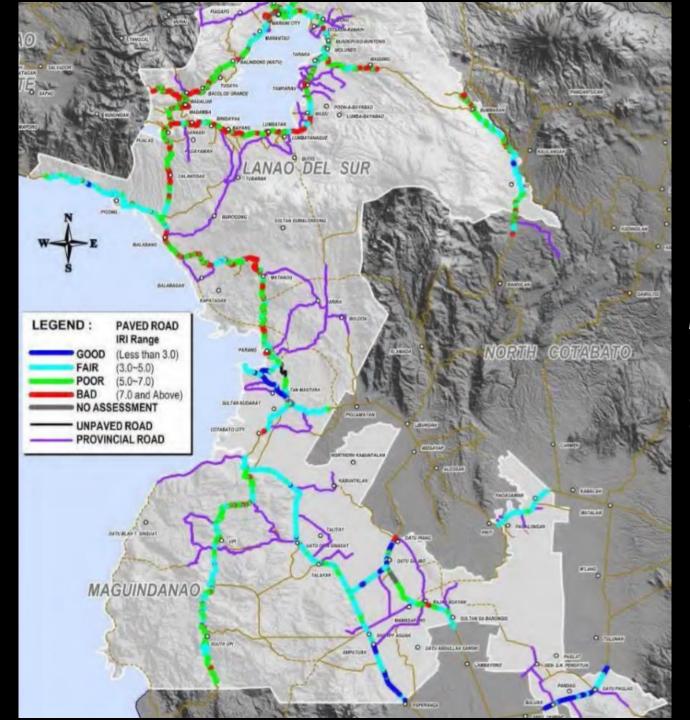
Rubber from Rubber Tree as a Strengthening Agent for Road Reconstruction in Bangsamoro

Carlos Caesar R. Caday¹, Nathaniel Quinn V. Diez², Bernice Dimayuga³, Nicole Dona⁴



Green and Red Lines

POORLY AND
BADLY
CONSTRUCTED
NATIONAL
ROADS



"The Bangsamoro region's road density (0.10) remains lowest in the country which is not even half of the national average (0.25). "

- BTC, BDA

Reference:

Comprehensive Capacity Development Project for the Bangsamoro Development Plan for the Bangsamoro

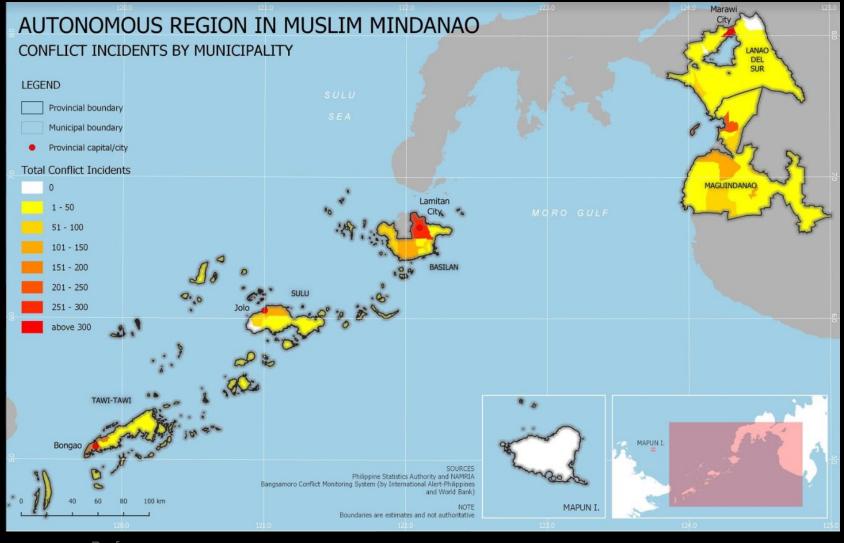


Image sources: SunStar Philippines, November 10, 2017; DPWH

CONFLICTS WITHIN BANGSAMORO

1 – 300 above Cases of conflicts

According to the Bangsamoro Open Data on the NEW MAPS section



Reference:

https://drive.google.com/drive/folders/1deajEdTPp9zVZtWxK9nt7CDVNMalOtLu

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Image Source: Bangsamoro Open Data: A Strategy of Mindanao Regional Development

POVERTY

Poverty rate is 53.4%

"This is two or more times the national average of 22.1%, and the highest in the country "

-2015 National Statistics

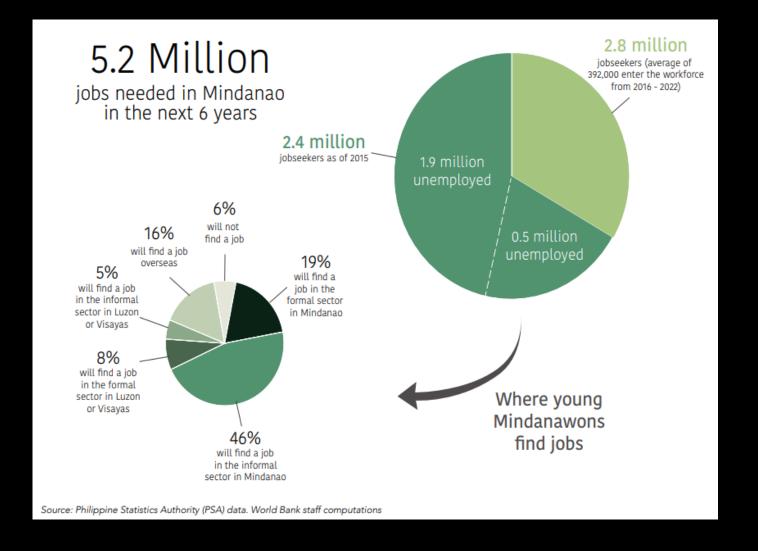
Reference: Bangsamoro Open Data Ex-ante Evaluation; South East Asia and Pacific Department, JICA

Unemployment Rate and the Remote Areas



Image Source: PhilStar

"Connectivity is an issue."



"Today, the jobs challenge facing Mindanao is daunting."

Rubber Trees



38, 116 Area(Has.) of Rubber Trees = 54,051 Metric Tons of Wet Rubber

- Philippine Rubber Industry Association



Asphalt

Rubberized Asphalt

References:

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f/12113353 02.pdf

https://www.vancouversafetysurfaci

ng.com/tips/consider-rubber-

surfacing/

http://www.reliablecontracting.com/concrete-vs-asphalt-perpetual-pavement-and-the-lifespan-of-asphalt/

Low Transportation Cost



Image Source: The Asia Foundation

Rubberized Asphalt



Image Source: The New Humanitarian

Employment





Image Source: The Asia Foundation



Tourism

Connectivity

Image Source: ARMM-Bangsamoro

Image Source: Philippine Star

Reference: Bangsamoro Open Data: A Strategy of Mindanao Regional Development

Thank you.