

National Academy of Science & Technology
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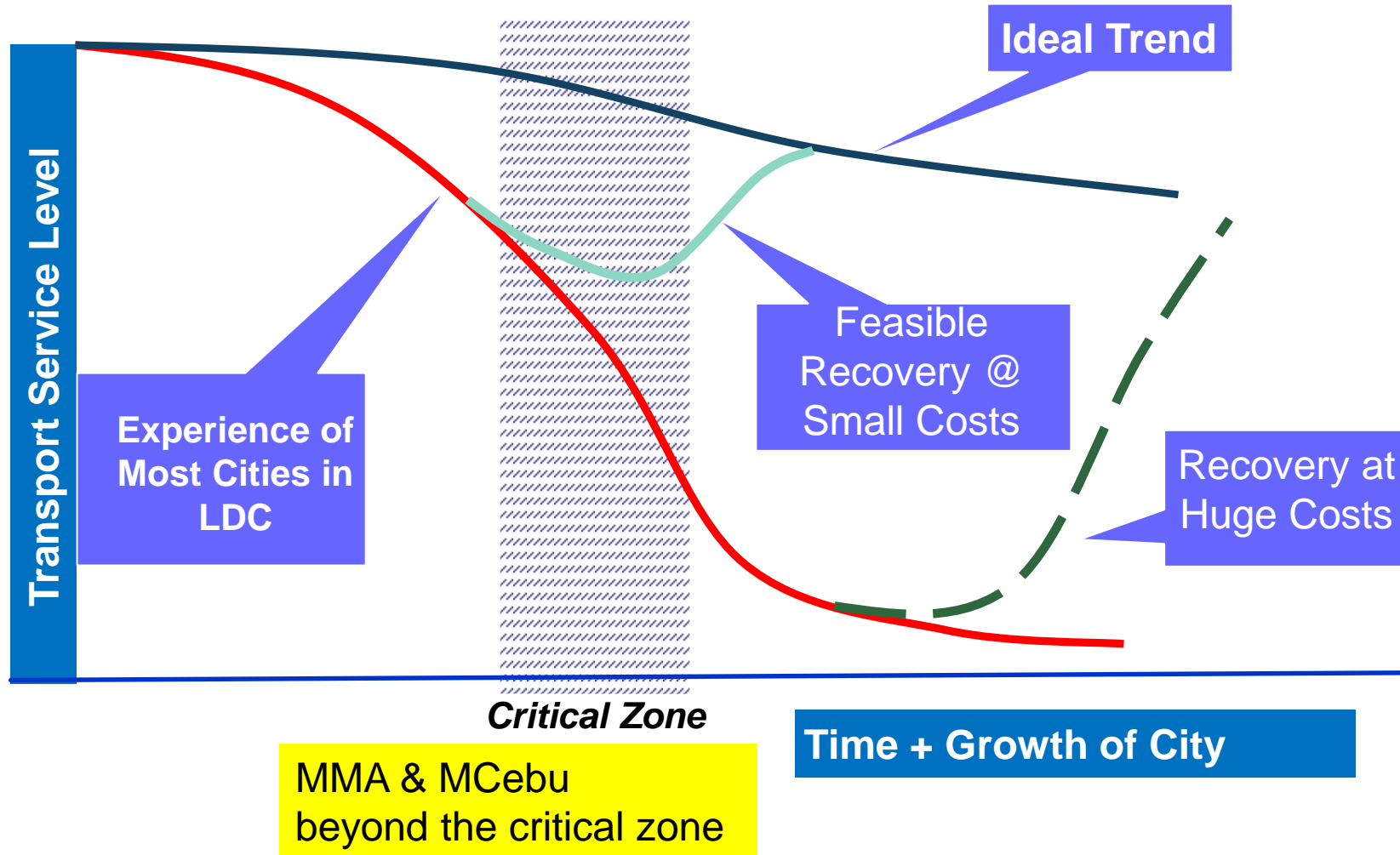


LONG STANDING WOES IN TRANSPORTATION AND TRAFFIC

STILL TRACKING A REVERSED S-CURVE

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REVERSED S-CURVE: SLOW DESCENT TO HELL



A PICTURE IS WORTH A THOUSAND WOES . . .



Riding a bus is a daily struggle. . . Longer hours

Typical urban commute has worsened in last 7 years. . . with no sign of bottoming out



MRT-3 Capacity is still below Pre 2011 level



ANOTHER SIGN OF LSW: STAGNANT LPI

Logistics Performance Index
(2018) = 60th (out of 167 countries)
2018 = **2.90**
2017 = 2.86
2010 = 3.14

Average from 2007-2016 = **2.92**

**No improvements in the last 10 years
!**

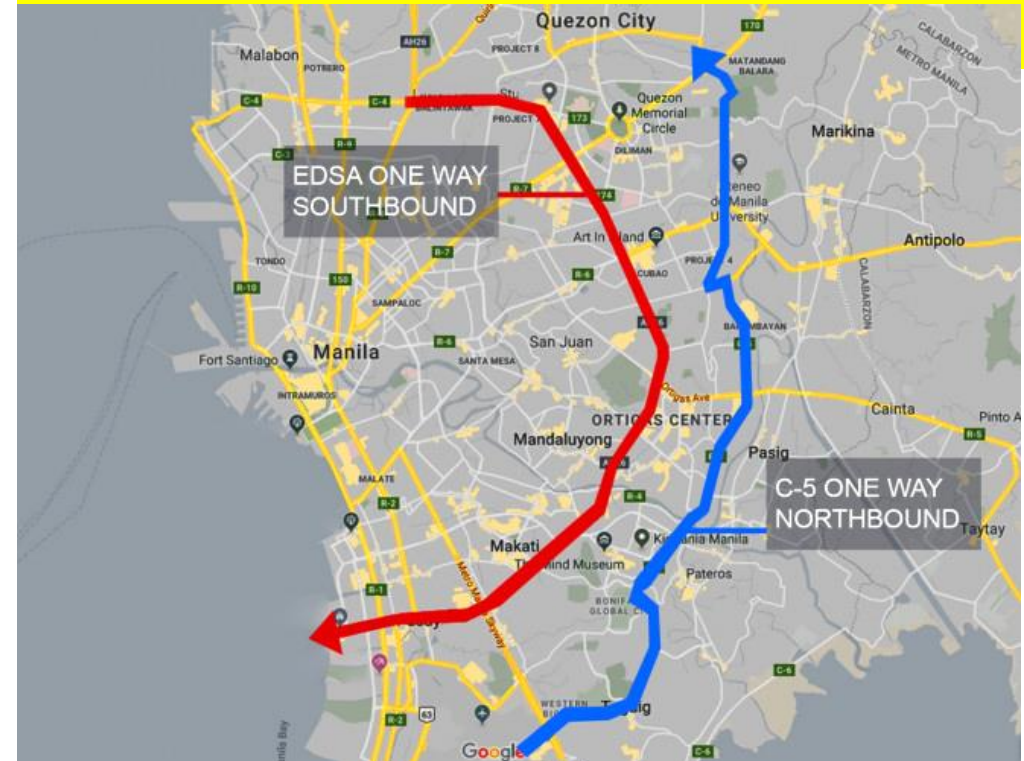


LSW: ENDURING ALLURE OF INSTANT SOLUTIONS



MMDA (Aug 2018):
HOV only on EDSA, tried, but scuttled.
Still under consideration per MMDA
(Oct2019)

28-Aug 2019 Proposal by Engr Guevara
HB#8622 (Cong. John Nieto), Jan 2019
MMDA trial balloon in 2014



LSW: INCORRIGIBLE MOTORISTS IN ENFORCERS' MIND

MMDA calls out undisciplined motorists for worsening traffic on EDSA

Maris Federez • August 9, 2019 • 606



Solutions:

- Give MMDA Police powers
- Higher penalties
- More enforcers on the streets



LSW: LOST DECADE OF AUTOMATING TRAFFIC LIGHTS

1970's-2000s

(TEAM 1-4)
Progressive
expansion of the
Traffic Signaling
System for NCR

435 intersections

2002-2010

Decapitation of the
Computerized
System
&
Replacement with U-
Turns

SITUATION 2019

- More than 460 intersections are signalized
- BUT >50% stand alone;
- 3 Different OS

Steady Progress over 15 years, Then a decade of Retrogression
NOW: In search of a path to a modern SMART Signaling System

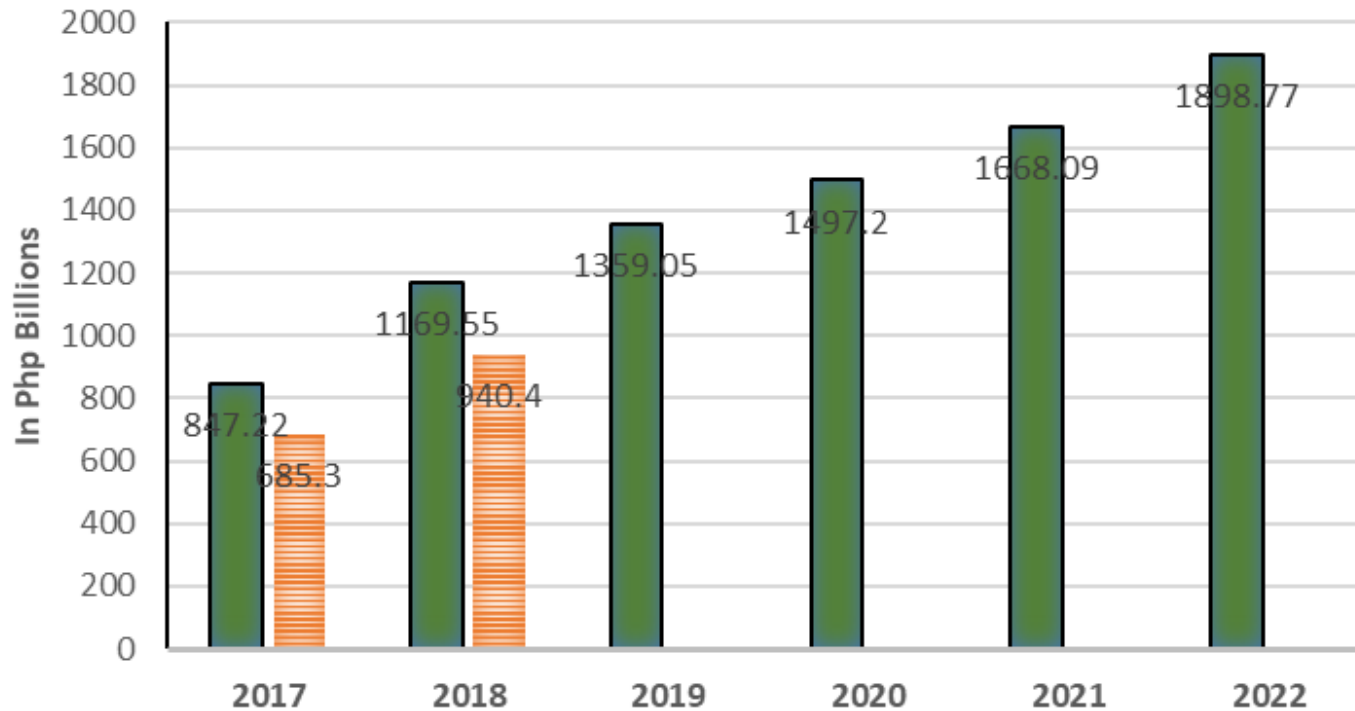


Money FIX to LSW:

Php8 Trillion Investment in Infrastructure (2017 to 2022) . . . a Golden Age of Infrastructure

The Duterte Administration's
Infrastructure Plan

B-B-B PROGRAM



Source of Data: Patalinhug, E. "Too Much and Too Fast: A Look at Philippines Infrastructure Build Up Program (July 2019)

BUILD-BUILD-BUILD HAS A PROBLEM

Only 21/75 projects (worth Php188/Php2,400) will be on the finish line by 2022

Only 2 completed, 9 under construction (end-July 2019)

NEDA's Sec Pernia: "Over time, minds tend to adjust to reality" (31-Oct2019)

“The presence of absorptive capacity constraints has created implementation bottlenecks in the BBB program and has reduced the success rate and impact of individual projects, limiting its aggregate employment and output effects”

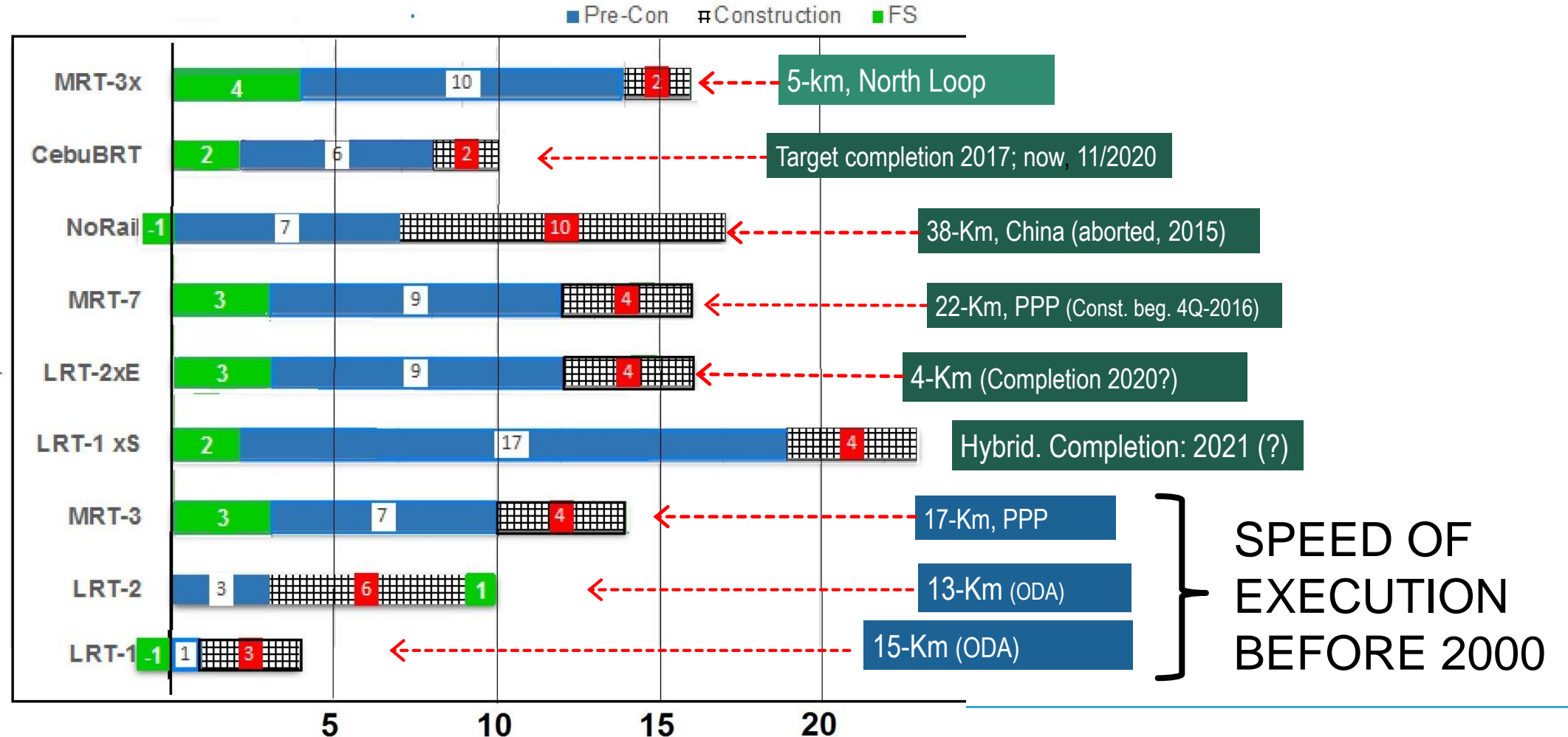
- Epictetus Patalinhug, Prof Emeritus/UP

In Short: Poor Implementation Capacity
(a LSW hiding in plain sight)



INTIMATIONS OF INSTITUTIONAL ARTHRITIS

Development Timeline



A DEEPER MALAISE, IF OFFICIALS CAN SAY THESE



1st SONA (July 2001):
Will build 119-km of
new rail lines in Metro
Manila



Speech June 2019:
Cubao-to-Makati in 5
minutes by Dec 2019



In 1Q, 2013, BSA promised
that LRT-1 Extension will be
completed by 2015, ELSE . . .



Surely, there is an inflection point in the S-Curve . . .
The question is when?



Is there a breaking point to the Filipino Commuter's patience?

Thank you for your listening patience