

**ONLINE WORKSHOP 3** 

# Dos & Don'ts: Designing Streets for Cycling

4<sup>th</sup> September'20, Friday 3.00PM - 4.30PM IST



#### INTRODUCTION

by Mr. Rahul Kapoor,
Director, Smart Cities Mission,
Ministry of Housing and Urban Affairs (MoHUA)

#### **PANEL DISCUSSION WITH CITIES**

**LEARNINGS FROM HANDLEBAR SURVEYS** 

by Aizawl, Nagpur & Rajkot

PRESENTATION + Q&A SERIES

Moderated by ITDP India Programme

**DESIGNING THE PILOT** 

**COLLABORATING WITH THE COMMUNITY** 

**BUILDING THE MOMENTUM** 













# We will start the session at 3PM IST













#### **CONGRATULATIONS CITIES!**

On phenomenal and diverse engagement for India Cycles4Change Challenge

#### In the last few weeks, cities have conducted...

**Rallies** 

**Campaigns** 

**Surveys** 

Meetings













#### Celebrating stories of independence

# Cities launched the campaign

with stories from children, elderly, women

in MULTIPLE languages!





















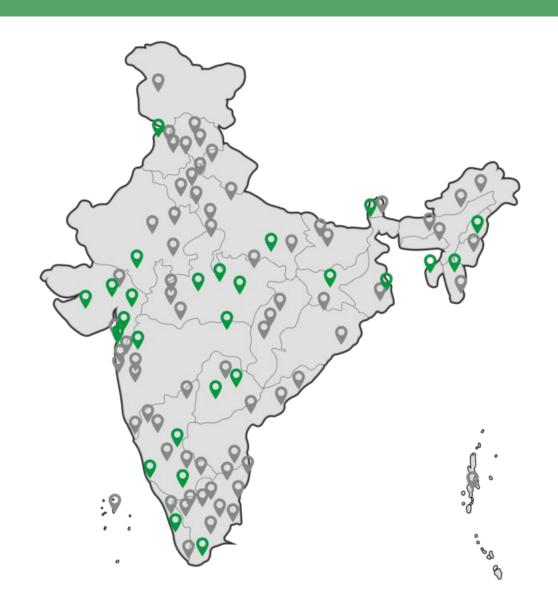








#### Handlebar surveys across India...





cities have completed surveys



cities included women and children

#### ... with diverse teams













# India Cycles4Change Challenge submission date extended to December 14th!

Workshop 4	25th September
Workshop 5	16th October
Workshop 6	6th November
Workshop 7	27th November

# PANEL DISCUSSION with Aizawl, Nagpur, Rajkot

## **Aizawl**







#### Nagpur





#### **NAGPUR UPDATES**

SHASHANKGATTEWAR NAGPUR

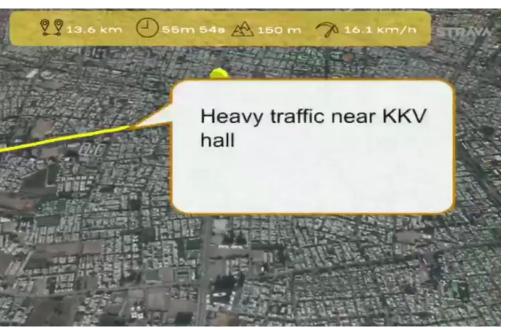
#### **#LetsCycleNagpur**

**AS A PART OF** 

'INDIA CYCLES FOR CHANGE CHALLENGE',
NAGPUR SMART CITY HAS IDENTIFIED
SEPARATE BICYCLE LANES OF
APPROXIMATELY 17 KMS INSIDE THE
CITY.THE LANES SURROUND THE WEST
REGION OF NAGPUR COMPLETING A LOOP
STARTING AND ENDING FROM LAW
COLLEGE SQUARE.

Law college square - Bhole - Petrol Pump
- VIP Road - Alankar Square - Swargiya
Annabhau Sathe chowk - NEERI Chowk Back to Bhole Petrol Pump - Maharaj Bag
square - Akashwani Square - VCA Square Mason Square - Japanese Garden Square
- Seminary Hills (via WCL ghat road) Vayusena Nagar - Hanuman Tekdi Road Walker's street - Ladies Club Square - Law
College Square

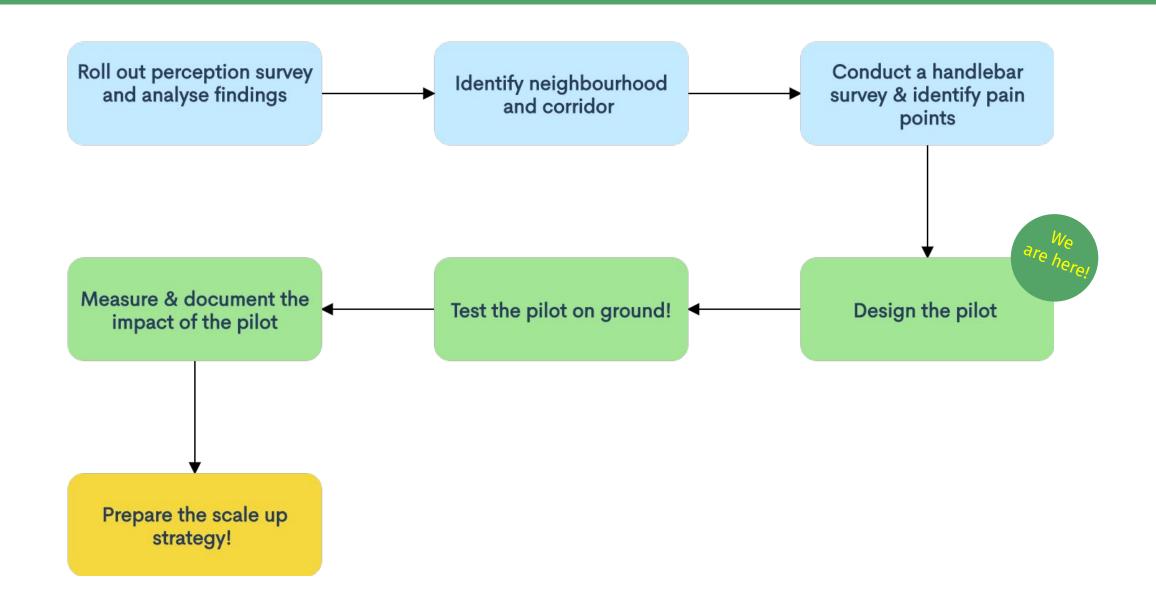
## Rajkot







#### Challenge map



# **Today's Session**

- 1. The process of testing pilots
- 2. Designing the pilot
- 3. Building the momentum

# 1. The Process of Testing Pilots

#### **Process for the pilot**













**Document** the site

Develop the design Organise community reviews

Test designs on ground

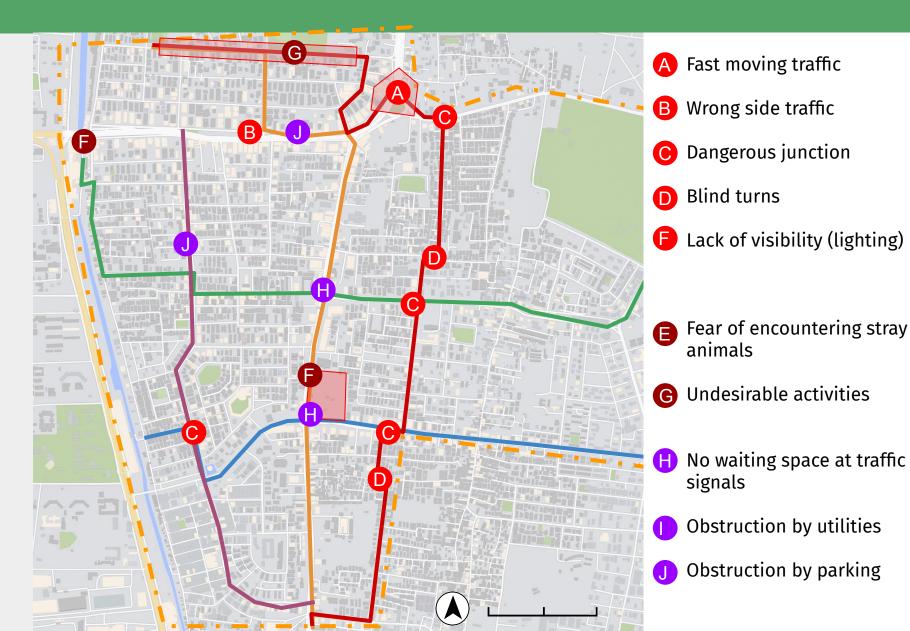
Measure the impact

**TEST-LEARN-SCALE throughout** 

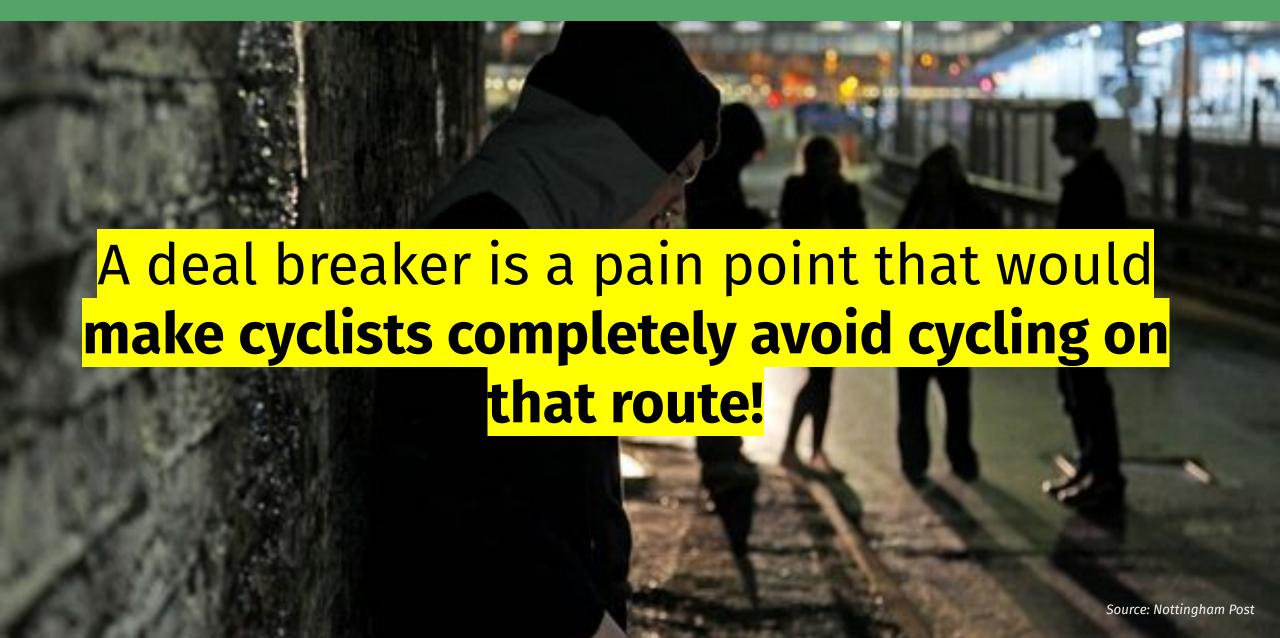
#### Map the pain points

After completing the handlebar survey, cities must-

- a. Map handlebar survey routes
- b. Map the pain points
- c. **Map other data**such as traffic flow
  etc.



#### What is a deal breaker?



#### Identify your deal-breakers



Unsafe intersections and dangerous traffic movement

Source: African Celebs on India Crossroads



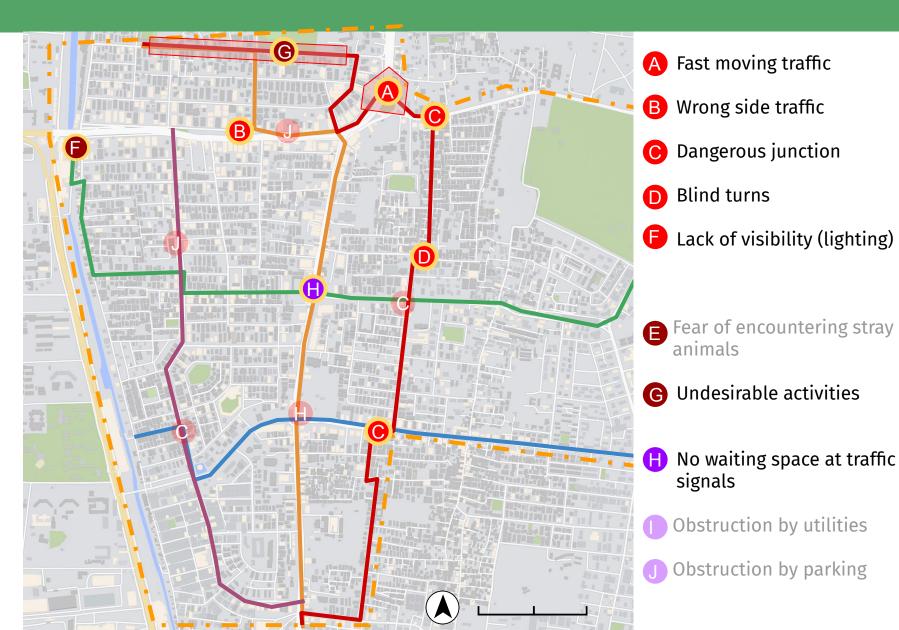
Unsafe night-time activities

Source: Nottingham Post



Fast moving vehicles

#### Map the deal-breakers



No waiting space at traffic

signals

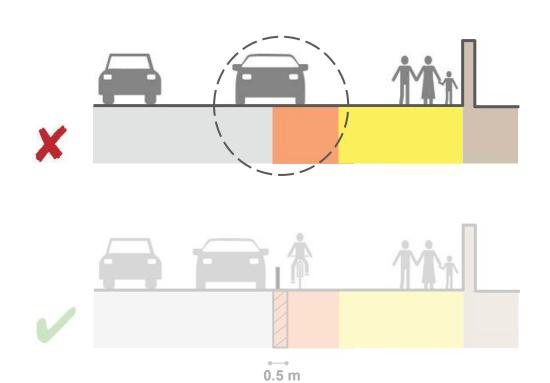
# 2. Designing the Pilot

- Cycle track basics
- Calming the neighbourhood
- Other design elements

# Cycle track basics



#### (A) Segregate the Cycle Track



Wrong design

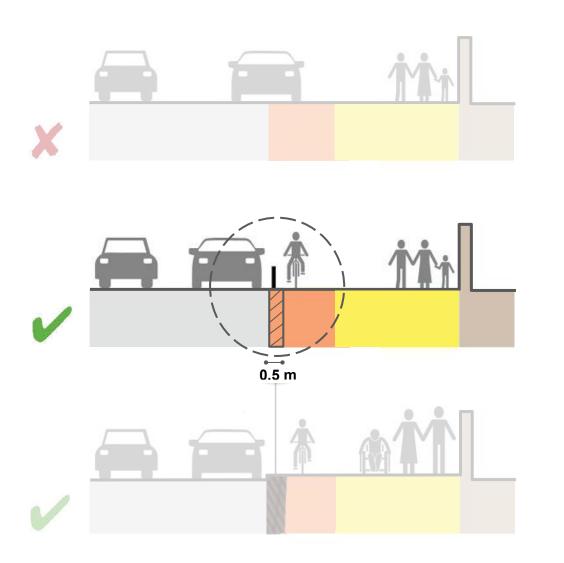








## (A) Segregate the Cycle Track



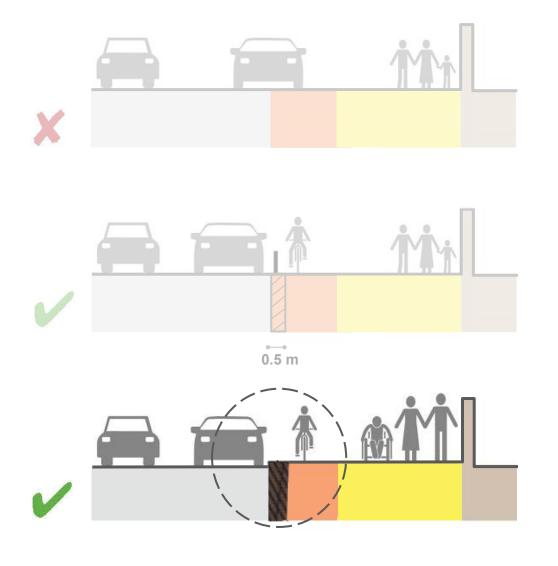
Wrong design

**Temporary** intervention





#### (A) Segregate the Cycle Track



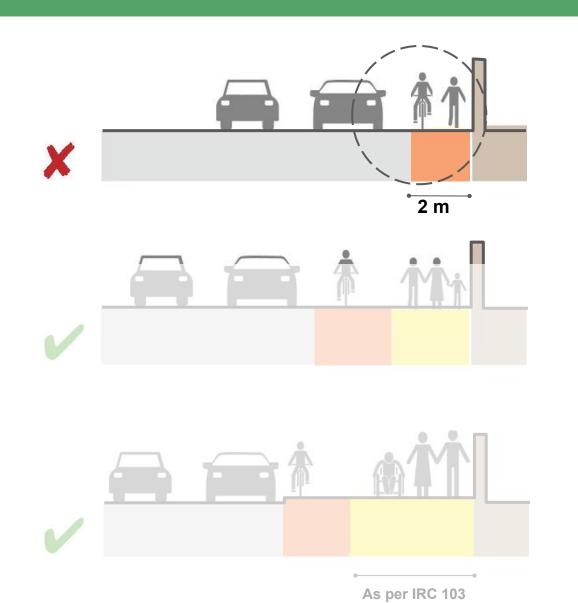
Wrong design

**Temporary** intervention





#### Without footpaths, cycle tracks fail



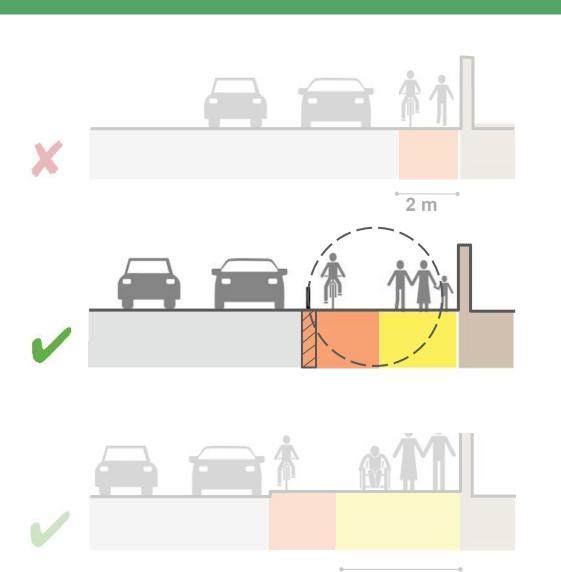
Wrong design

**Temporary** intervention





#### Without footpaths, cycle tracks fail



As per IRC 103

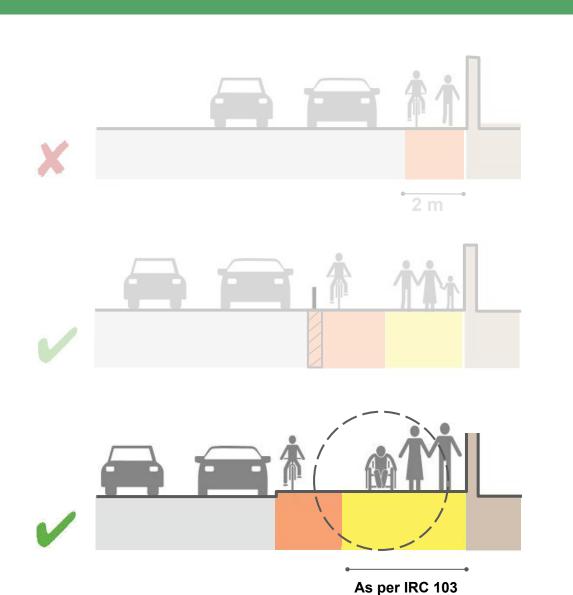
Wrong design

**Temporary** intervention



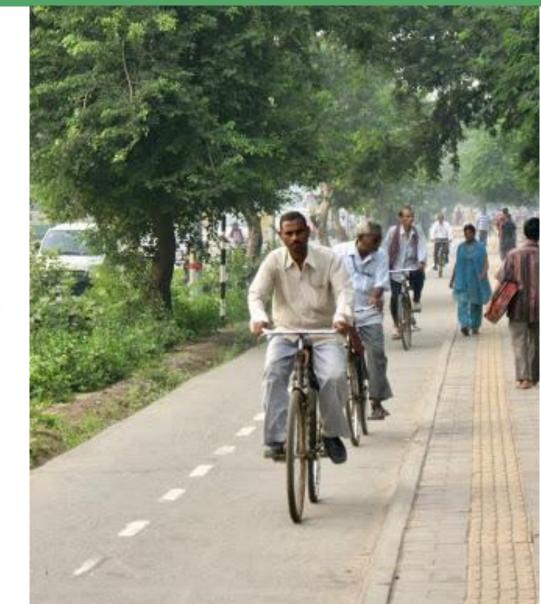


#### Without footpaths, cycle tracks fail



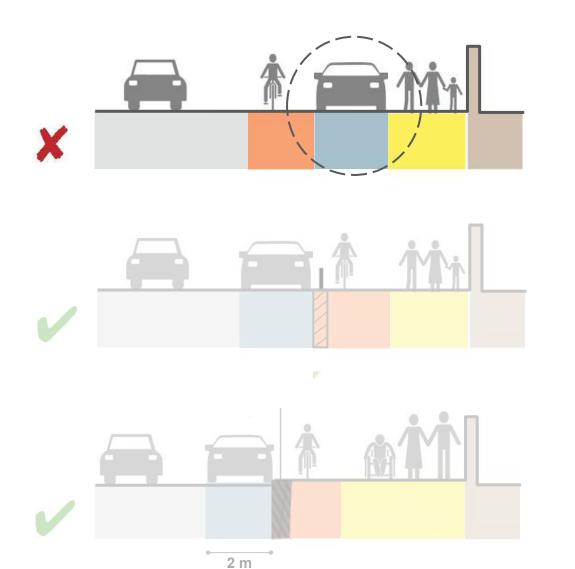
Wrong design

**Temporary** intervention





#### (C) Place parking next to carriageway



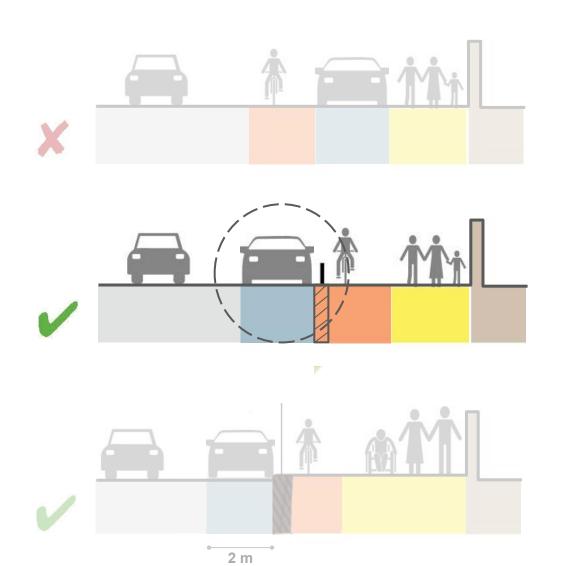
Wrong design

**Temporary** intervention





#### ) Place parking next to carriageway



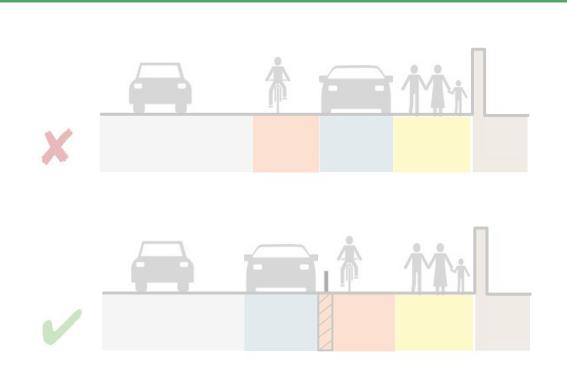
Wrong design

**Temporary** intervention



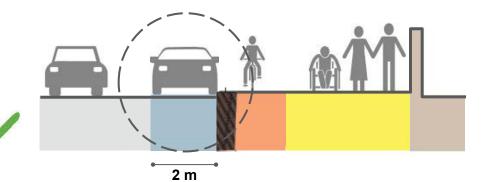


#### ) Place parking next to carriageway



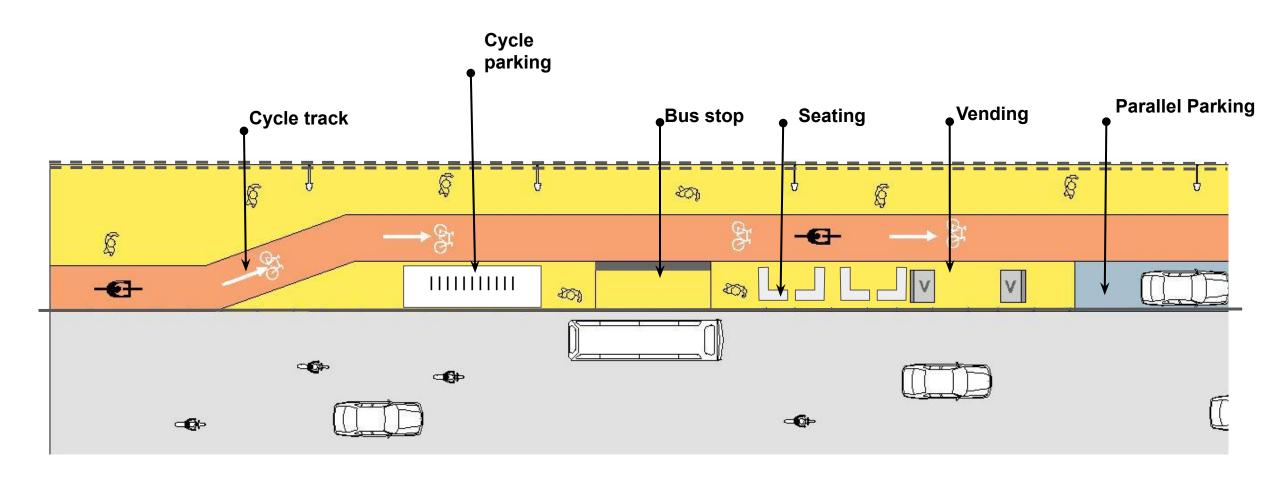
Wrong design



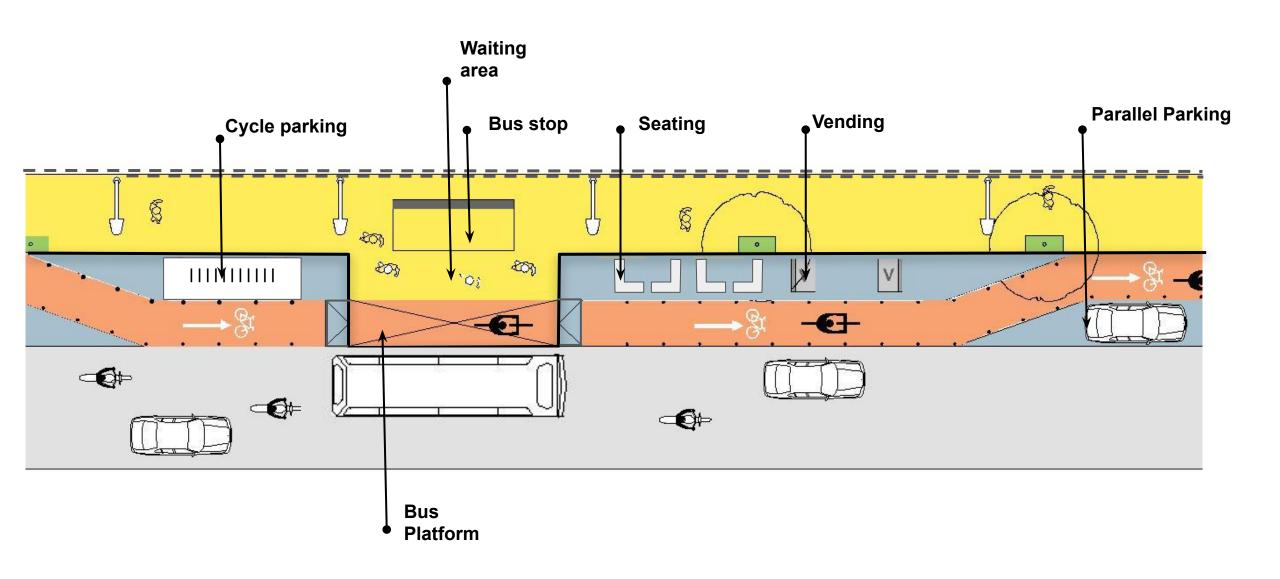




#### Managing the kerb (Permanent)



#### Managing the kerb (Temporary interventions)

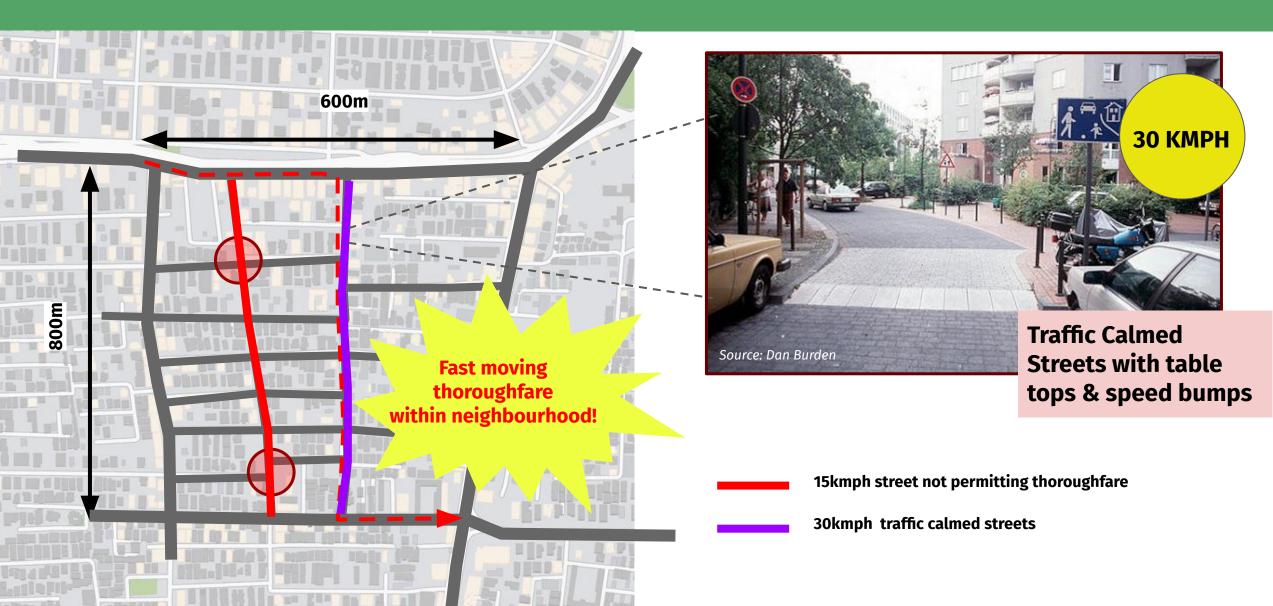


# Calming the Neighbourhood

#### **Reroute traffic** to make streets safer and liveable



#### Traffic calming to reduce speed

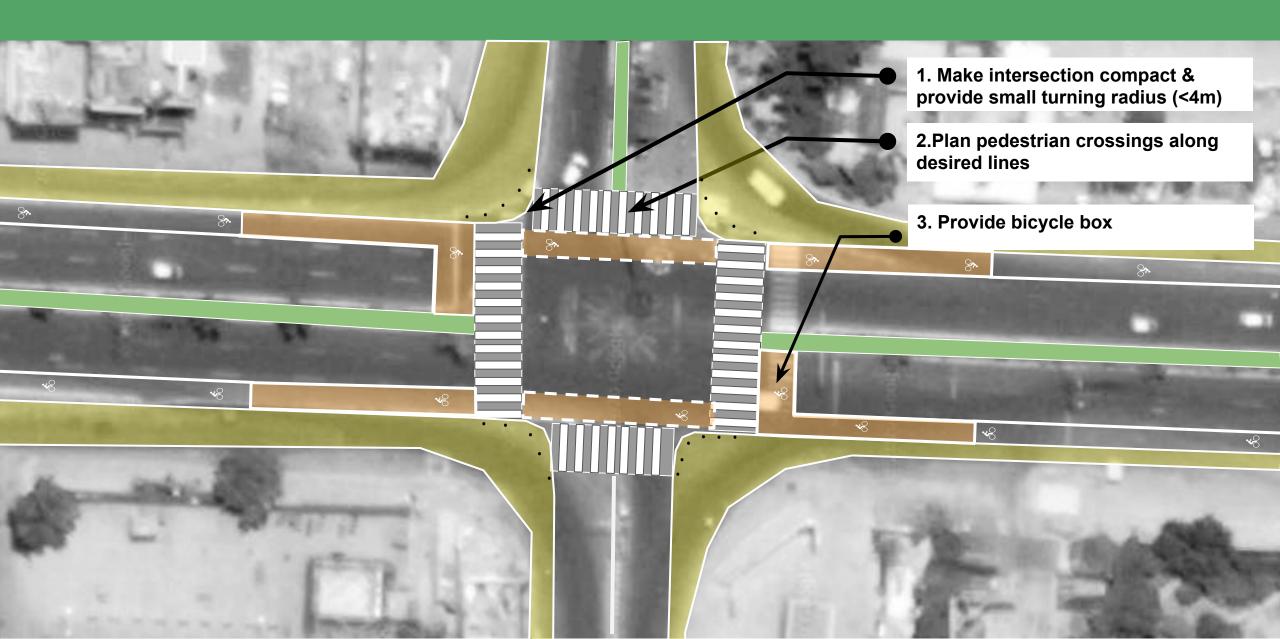


#### Traffic calming to reduce speed

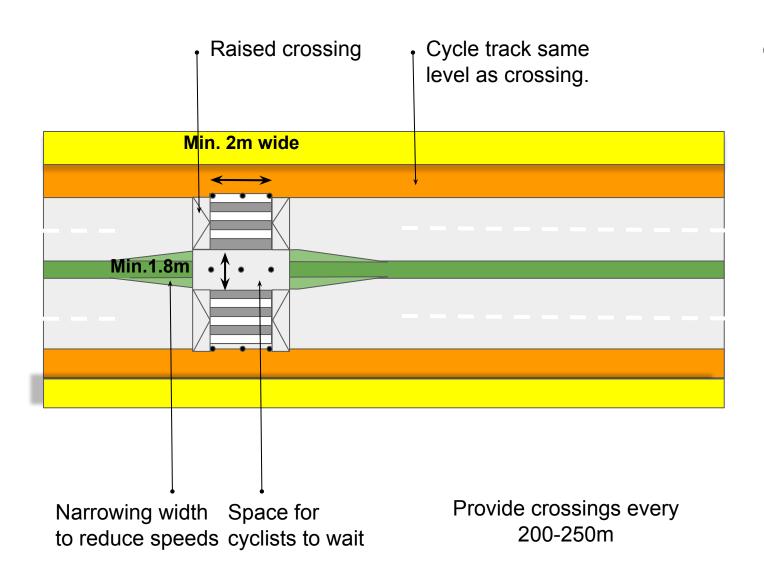


# Other Design Elements

#### **Safe Intersections**



#### Create frequent and safe crossing opportunities

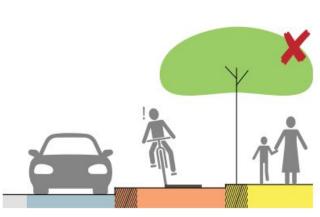


Median refuge is at same level as carriageway, when there is no raised crossing.

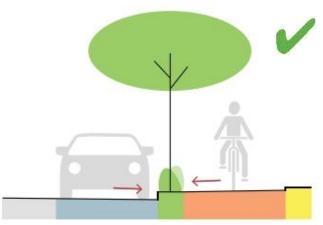




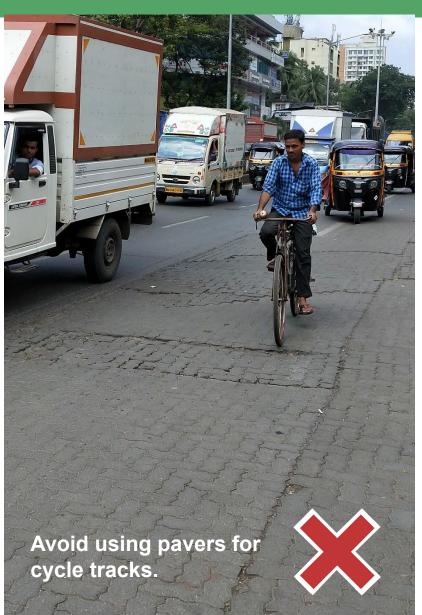
### Provide even riding surface

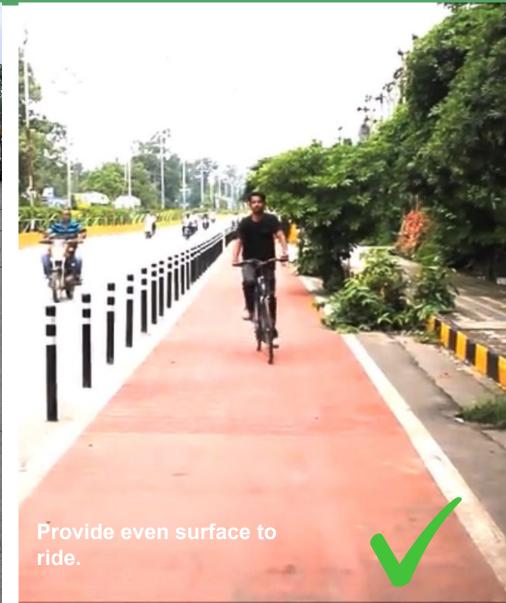


Avoid uneven surface & service covers



Ensure the surface is well-drained.

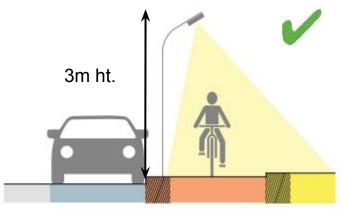




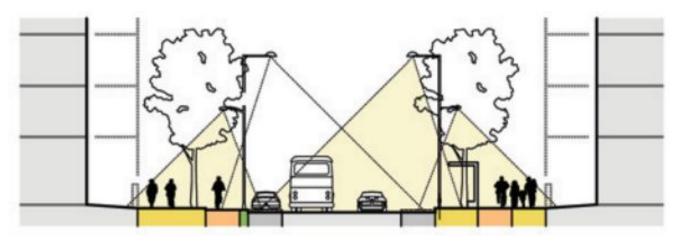
#### Light it right: for road safety and personal security



Tall lights obstructed by trees.



Human-scale lighting



Ensure the entire right of way is well-lit.

## 3. Building the Momentum

#### Online- Expand the Cycles2Freedom campaign!

- Get stories from commuter cyclists and women cyclists, who cycle everyday despite the odds to reach their place of work (or study)
- Start speaking with the cyclists who serve you vegetable vendors, watchmen, delivery persons, etc.
- Ask the right questions!
   Find out how cycling has made a difference to their lives.



#### Online- Expand the Cycles2Freedom campaign!

#### **Ideas for questions-**

- When did you get your cycle?
- How many years have you been cycling for?
- What is your favourite memory with your cycle?
- What would you do if you didn't have the option of cycling?
- What can the city do to improve cycling for you?













#### Offline- Closed streets for cycle training camps!

**Close** streets or parts of streets **along the pilot stretch to** -

- Encourage women, children and beginners to cycle in a safe outdoor environment
- Train them to cycle with confidence on the streets
- Build support of the residents along the pilot stretch



First ever cycle training camp held today. At NKDA football ground. Every Sunday. Theory lectures too on parts of a cycle, traffic rules etc.





Cycle training at NKDA Football ground, Every Sunday, 4pm to 6 pm





#### How to conduct the closed streets campaign?

- Identify a prime location near pilot stretch to close the street
- 2. **Release an official circular** and inform the locality about the event
- Spread the word to register for event through social media
- Include cycle groups and other experts to teach cycling
- Use barricades / planters / bollards etc to close the street
- Document the event and put out highlights post event



Source: lbhf.gov.uk Source: John Faulk

#### Until Workshop 4, let us

- 1. **Design** the pilot stretches
- 2. Refine the designs through **expert review sessions**
- 3. Organise community design reviews
- 4. **Build the momentum** through campaigns

# C4C team will share

- Presentation and video of Workshop 3
- Design solutions and Implementation details
- Perception survey outreach
- Qualitative survey template
- Guide for site documentation
- Templates for outreach
- Guidance on using Streetmix

#### Thank you

Website - https://bit.ly/3ju3ZCY Facebook - India Cycles4Change

A programme of



Conducted by



www.itdp.in