

INDIA
CYCLES 4 CHANGE
CHALLENGE

**Streets 4
People**
CHALLENGE



Ministry of Housing and Urban Affairs
Government of India



**As we reimagine India as a cycling friendly country, let's
come together and celebrate
World Bicycle Day 2022 on 3rd June 2022!**

This guide details out simple step-by-step methods to roll out various initiatives your city can take up this World Bicycle Day.

**Kick start the planning for these initiatives
1 month in advance from 6th May, 2022.**

Action:
**IMPLEMENT
30KMPH
STREETS**

Foundation:
**ADOPT THE
HEALTHY
STREETS POLICY**

Communication:
**INSTITUTIONALIZE
OPEN STREETS
CAMPAIGNS &
HOST CYCLE
RALLIES FOR
WOMEN**

Your city can pick up one or more of the following initiatives towards World Bicycle Day 2022:

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IMPLEMENTING 30KMPH STREETS

Well-designed 30 KMPH streets provide a safe environment to pedestrians and cyclists when they share the road space with motor vehicles. The goal is to ensure that traffic speeds remain below 30 kmph through traffic-calming design elements to reduce the risk of fatality and serious injuries on impact.

Death and injury risk percentages

IMPACT SPEED Kmh	DEATH Percentage risk	SERIOUS INJURY Percentage risk	SLIGHT INJURY Percentage risk
 60 	 95%	 3%	 2%
 50 	 80%	 3%	 17%
 40 	 32%	 26%	 42%
 30 	 10%	 15%	 75%

Source: City of Waterloo

Step 1: Identify the streets

Select any neighbourhood where:

- There are fast moving vehicles, and frequently visited by children and elderly to visit schools, parks, markets, clinics etc.
- There is a high number of cyclists and pedestrians
- Crowdfsource the streets by hosting discussions with Residential Welfare Associations



Step 2: Choose the appropriate traffic calming element

1. VERTICAL DISPLACEMENT ELEMENTS

Elements that act as vertical additions to the street to calm traffic speeds:

- **Speed humps**
- **Speed tables**
- **Speed cushions**

2. HORIZONTAL DISPLACEMENT ELEMENTS

Elements that adjust the horizontal ROW of the street to calm traffic:

- **Chicanes**

1. TYPES OF VERTICAL DISPLACEMENT ELEMENTS

Speed humps



- **Speed humps provide smoother transition** along with slowing down speeds.
- Suitable **for all street types**, however the geometry will vary based on desired speeds. (For more details refer next page).

See how speed humps help traffic calm streets. [here](#)

Speed table



- These are trapezoidal traffic calming elements that slow down vehicles. They can also double as crossings and provide comfortable pedestrian and wheelchair access at the same level as footpath.
- Suitable for **any street type, especially streets with footpaths for barrier-free movement.**

Speed cushions

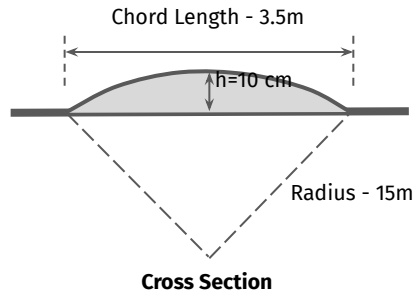


- They allow cycles and emergency vehicles/bus to pass unaffected through gaps, while reducing vehicle speeds physically. It will psychologically reduce the speeds of heavy vehicles and 2-wheelers.
- Suitable for streets with **public bus transport route.**

See how speed cushions help reduce speed of vehicles, [here](#)

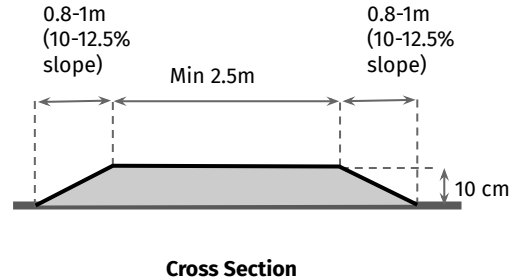
1. TYPES OF VERTICAL DISPLACEMENT ELEMENTS

Speed humps



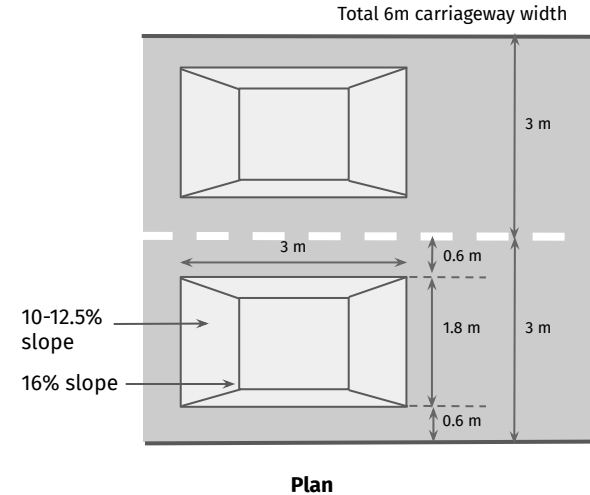
- The **center height of the speed hump to be 10cm**. Height less than 10cm will mean faster speeds.
- Provide hump with **chord length of 3.5m** and **radius of 15m** for speeds of about **25-30kmph**. (Refer IRC:99-2018, Figure 3.1)

Speed table



- The center height of the **speed table to be 0.1m**. The approach slope to be **10-12.5%**. (Refer [IRC:99-2018, Figure 3.2](#))
- When designed as pedestrian crossing, ensure the **top level is at the same level as footpath at 15 cm**. The approach slope to be 10%.

Speed cushions



- The center height of the **speed cushion to be 7cm high**.
- The **width of speed cushion to be 1.8-2m**.
- The **approach slope to be 10-12.5%**. The **side slopes of the cushion to be around 16%**.
- The gap from the kerb to be 0.6 - 0.75m.

2. TYPE OF HORIZONTAL DISPLACEMENT ELEMENTS - CHICANES

Chicanes are **angular deflections** created in streets. This can be created by **strategically placing diversions** in the form of bollards, planters, traffic cones, parking etc.

- Suitable for **local streets**, should be **avoided on streets with public transport**
- Chicane are also suitable to locations that **do not have access to public open space within walking distance**.
- On narrow streets, **consider shared streets** where cyclists and pedestrians can use the same space safely along with motorists. **Provide speed humps at every 50-75m, to ensure speeds are within 15 kmph.**

- Angular parking here **breaks the linear travel movement** of vehicles.
- An **angle of 45 deg** ensures a zig-zag movement of vehicles
- Ensure **walking space** is available
- **On-street public spaces** can be carved out and provided with seating and play elements.

Please refer IRC 099 (2018) for technical details

See how chicanes work in a neighbourhood, **here**



Points to note:

- For streets without footpaths, **ensure that vehicle move at under 15 kmph.**
- Add traffic calming elements **once every 50-150m based on adjoining land-use.** Close spacing will ensure more safer speeds especially around schools, markets, hospitals etc.
- **All intersections should be calmed** ([refer Design Guidebook 1](#)).
- Provide traffic calming element **before all pedestrian midblock crossing**
- Traffic calming elements can be avoided at mid-blocks **on streets with intersection within every 100m**
- Avoid traffic calming elements **in front of property entrances**
- Ensure traffic calming elements are **clearly visible through road markings as per IRC:35 to avoid road mishap.**



[Check the Neighbourhood Design Guidelines for more details!](#)

Step 3: Add additional elements

Once you reduce the speed of the street by adding traffic calming elements, the street is now a 30 KMPH STREET!

Other street elements to consider on a 30 KMPH street:

- Road marking clearly indicating to vehicle users that this is a 30 kmph street
- Street lighting
- Seating



Step 4: Inaugurate the 30 KMPH Street

On June 3rd, World Bicycle Day, **host an open street event on the 30KMPH Street:**

- Put up an information panel on 30 KMPH Streets
- Put up feedback boards, suggestion boxes to capture citizen feedback on the street
- Capture citizen interviews and testimonials to make a case for more 30 kmph streets



[Check out the guide to host an Open Street Event on the 30kmph street here](#)

[Download an information panel poster template here!](#)

Step 5: Assess the impact

Ensure that you assess the impact of your intervention:

For this, get the following information from the citizens using the street:

- Age, gender
- Where they live
- Did reducing vehicular speeds to 30kmph make them feel safer?
- Any other feedback?
- Where else would they like to see such streets implemented?



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ADOPTING THE HEALTHY STREETS POLICY

The Healthy Streets Policy clearly sets out the city's intent towards promoting streets that are safe for all road users—whether it's an 8 year old or a 80 year old— to comfortably walk and cycle. It lays out different initiatives that citizens can expect from the city in the coming years to achieve this vision.



Celebrate the adoption of the Healthy Streets Policy!

Many cities have already initiated the process to adopt the Healthy Streets Policy.

Let us adopt and notify the Policy by World Bicycle Day - 3rd of June - and announce the adoptions by celebrating an event on 3rd June itself!

Refer to the attached guide to know more about how to contextualise and adopt the policy.



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INSTITUTIONALISE OPEN STREET CAMPAIGNS

Open Streets Campaign is a recurring event (weekly, bi-weekly, or monthly) which aims to reimagine streets as safe, happy, and healthy public spaces for all by opening them up for the exclusive use of pedestrians, cyclists, and other non-motorized transport users!



[Check out this guide for more details](#)

STEP 1: Organise a stakeholder meeting

WHY?

To understand opportunities and challenges towards institutionalising Open Streets campaign and secure support

HOW?

- **Prepare a list** of all stakeholders whose support is essential. (ULB Departments, Traffic Police, State-level departments, political representatives, etc)
- Schedule a discussion to **reflect on the learnings** from previous Open Streets events
- Come up with ideas / solutions to scale it up



STEP 2: Build your team

WHY?

To drive a collaborative effort with shared responsibilities and accountability

HOW?

- Form a **dedicated multi-stakeholder Working Team** and define roles and responsibilities

For example:

- Communications - PR team from ULB
 - Traffic enforcement - City Traffic police
 - Hosting events - volunteers, RWAs
-
- Appoint a **city-level Campaign Coordinator**



STEP 3: Allocate an annual budget

WHY?

To ensure smooth roll-out of the campaign throughout the year

HOW?

- Include **Open Streets Campaign Funds** as part of your city annual budget
- **Collaborate** with other govt. agencies or local CSOs & RWAs to pool funding
- Identify **full or partial sponsors** for the campaign - Corporates, Media houses, etc.



You can also Setup a Public Engagement Portal

Launch an exclusive Open Streets Portal for your city:

1. **Curate the content** of the portal with maps, schedule of events, information on partners and stakeholders, and features for collecting feedback
2. **Integrate the portal** to the city's main website and all social media platforms to broaden reach
3. **Ensure that the portal is updated on a regular basis** and engage with citizens & stakeholders

LOS ANGELES

Language: Select Language

LADOT
LIVABLE STREETS

ABOUT OUR PROGRAMS OUR PROJECTS GET INVOLVED MAPS & DATA

Home / Our Vision

Our Vision

LADOT Livable Streets is a website of the [Los Angeles Department of Transportation](#) where you can interact online with our programs and projects that support safe, great streets for all including [Vision Zero](#), [Active Transportation](#), [Safe Routes to School](#), [Safe Routes for Seniors](#), [People St](#), [Play Streets](#), [Great Streets](#), and [Open Streets](#). LADOT's work is guided by the following set of beliefs:

- **Everyone in Los Angeles deserves safe streets.** Safety is a top priority for LADOT. Every 40 hours, someone in Los Angeles is killed in a traffic collision. Traffic collisions are a leading cause of death for kids in Los Angeles. In August 2015, Mayor Garcetti launched a citywide initiative to eliminate traffic fatalities in Los Angeles, called Vision Zero. Along with effective enforcement of safety-related traffic laws, LADOT uses innovative street designs, education, and outreach to make our streets safe for everyone.
- **A healthy city is one where our streets are safe, but also one where there are opportunities for active transportation, recreation, and play.** As Los Angeles prepares to host the 2028 Olympic and Paralympic Games, we are working to ensure all Angelenos have mobility access to parks and open space in order to make Los Angeles the healthiest city in the U.S.
- **Great streets support our communities.** Transportation connects communities. LADOT is committed to achieving the goals of the Sustainable City pLAN, which seeks to invest in rail, bus lines, pedestrian and bike networks, and complete neighborhoods.

[Click here to check out LADOT Open streets portal](#)

STEP 4: Identify locations and partners

WHY?

To implement the campaign on locations with strong local stakeholders support

HOW?

- Roll out the **Institutionalising Open Streets Campaign** form to all stakeholders
(eg: RWAs, CSOs, corporates, institutions, citizens)
- **Partner** with local leaders, representatives, influencers, bureaucrats; who can **actively advocate for open streets campaign**
- Edit & share **this poster** on your social media & public portal



[Click here to download the Poster template](#)



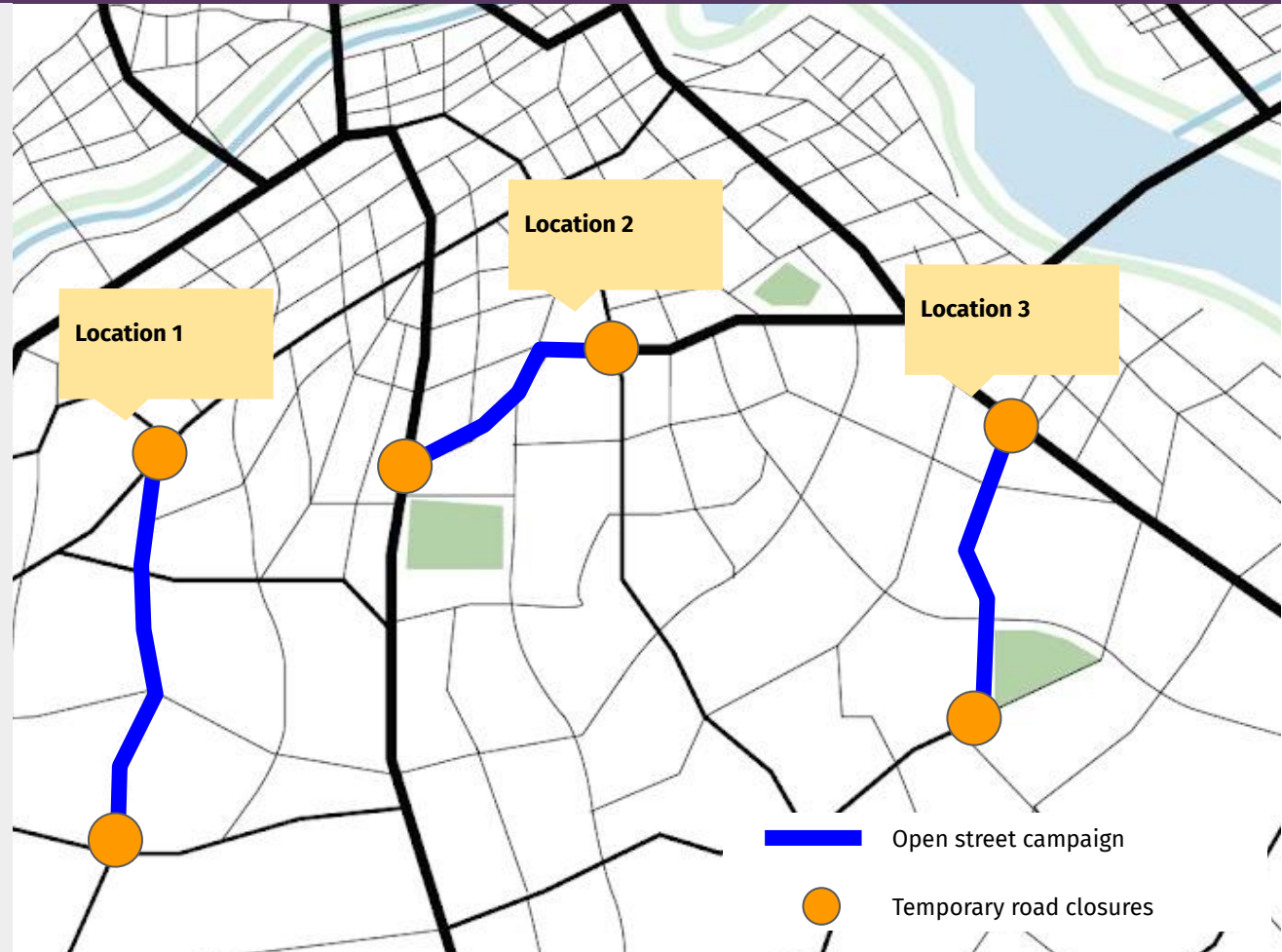
STEP 5: Shortlist Locations and prepare monthly calendar

WHY?

To ensure appropriate selection of locations for maximising positive impact

HOW?

- **Plot the suggested locations** received from the public on a city map
- Shortlist and finalise locations based on **accessibility**, connectivity to **public transport**, and **alternate transport routes**
- Prepare the list of open street events planned and include them in your **monthly calendar**, and conduct active outreach to invite participants.



STEP 6: Inform your citizens

WHY?

To boost public participation

HOW?

- **Spread the word** through press, media, local partners and public portal
- Consider installing **physical posters / panels** in public spaces and selected locations
- Edit & share **this poster** on your social media handles for wider outreach
- Promote **relevant hashtags** to create an impact on social media (eg: #<CityName>OpenStreets)

INDIA CYCLES 4 CHANGE CHALLENGE | **Streets 4 People CHALLENGE**

Let's celebrate life on our Streets!

<CITY NAME>

aims to reimagine streets as safe, happy, and healthy public spaces. We will open streets to play games, exercise, socialize with friends, and more!

On Sunday, 20th Oct' 20,
Join us for an
"**OPEN STREET**" event
At **ABC NAGAR**

Location: 16th Avenue Road,
NearCool
Supermarket,
Opp. Petrol bunk

Timings: 09.00am-1.00pm

For more details,
contact: +91- 1234567890

Note: Masks and physical distancing
to be followed.

ROAD CLOSED
STREETS FOR PEOPLE

CITY LOGO

[Click here to download the Poster template](#)



STEP 7: Prepare the identified locations for the event

WHY?

To ensure smooth execution and management of the event

HOW?

- **Display a notice** at relevant locations **to inform motorists** about the open streets event
- **Communicate alternate traffic routes and parking slots** through standard signages and markings at the location
- Use **simple items such as pots, planters, tyres, cones etc.** to close the street for vehicular movement



STEP 8: Include activities and invite local champions

WHY?

To make the campaign engaging and attractive for higher public participation

HOW?

- Ensuring all COVID-19 related safety precautions, include **engaging activities for various user-groups** (eg: Yoga, aerobics, games for kids, Music, dance & art workshops, Cycle training workshops, awareness programmes)
- **Invite artists, local champions and other influencers** to liven up the events



You can also use the Public Engagement Portal for outreach

WHY?

One platform for the campaign simplifies the communication and feedback process

HOW?

1. **Inform** all stakeholders and citizens about new activities
2. **Showcase the impact and experiences** of the open street events
3. **Obtain feedback** from the citizens and other stakeholders

This will encourage citizen participation and also lead to **community-led campaigns**

The screenshot shows the LADOT Open Streets website. At the top left is the LADOT logo with the tagline 'LIVABLE STREETS'. Navigation links for 'ABOUT', 'OUR PROGRAMS', and 'OUR PRO...' are visible. Below the logo is a breadcrumb trail 'Home / Open Streets' and a circular 'open streets' logo. The main heading is 'Open Streets'. Below this is a paragraph: 'LADOT's Open Streets Program invites Los Angeles to celebrate our public spaces for people.' To the right is a map of Los Angeles with green lines indicating open streets, marked with a red callout box '3'. Below the map is a news section with a 'View All News' button. A red callout box '1' highlights the 'LATEST OPEN STREETS EVENTS AND MEETINGS' section, which lists two events: 'CicLAvia - Meet the Hollywoods Presented by Metro' on August 18 and 'CicLAvia - Heart of LA Celebrating UCLA 100 Presented by Metro' on October 6. Below this is a 'View All Events from Open Streets' button and a 'CONTACT OPEN STREETS' link. A red callout box '2' highlights a photo gallery image showing a group of people at a 'CICLA VIA' event with bicycles and a podium. A red callout box '1' also highlights a small thumbnail of the event photo in the bottom right corner.

HOST WOMEN CYCLING RALLIES

Organise women-only cycle rallies to encourage more women to experience cycling together



Select a route and spread the word!

- **Finalize the location/s and route, start and end point, date and time for the event**—in discussion with key stakeholders like the traffic police and cycling champions in the city
- **Inform the citizens about the event** through print and social media
- **Ensure citizens have access to cycles** by setting up rentals
- **Felicitate the participants and winners!**



RIDE TO EMPOWER

ALL WOMEN BICYCLE RALLY

13th March 2022 | 7 AM

Starting point: **Durbar Hall Ground**

Organized by

**Kochi Municipal Corporation,
Cochin Smart Mission Limited, & GIZ**

Under the initiative

Cycle with Kochi

#InternationalWomensDay



Women's Day Relay Cycle Rally

Jointly organised by
Vattiyoorkavu Youth Brigade
and Indus Cycling Embassy

7/3/2021, 6:30 am from
Akkamma Cheriyan Park (Opp. Rajbhavan)
Through the nook and corner of
Vattiyoorkavu constituency

Rally ends @ 9:00 am at
Govt. Girls HSS, Peroorkada

Treading ahead for womens welfare

The background is a solid green color, decorated with scattered, colorful confetti in shades of pink, blue, yellow, and red. There are also a few yellow streamer-like shapes. The text is centered and reads:

Let's get started and make
3rd June,
World Bicycle Day a festival in our
cities!