

# **New Delhi Municipal Council**

## **New Delhi**

# New Delhi Cycles4Change

As part of India Cycles4Change Challenge,  
Smart Cities Project under NDMCSC



**AfD**  
ARCHITECTURE FOR  
DIALOGUE



Ministry of Housing and Urban Affairs  
Government of India



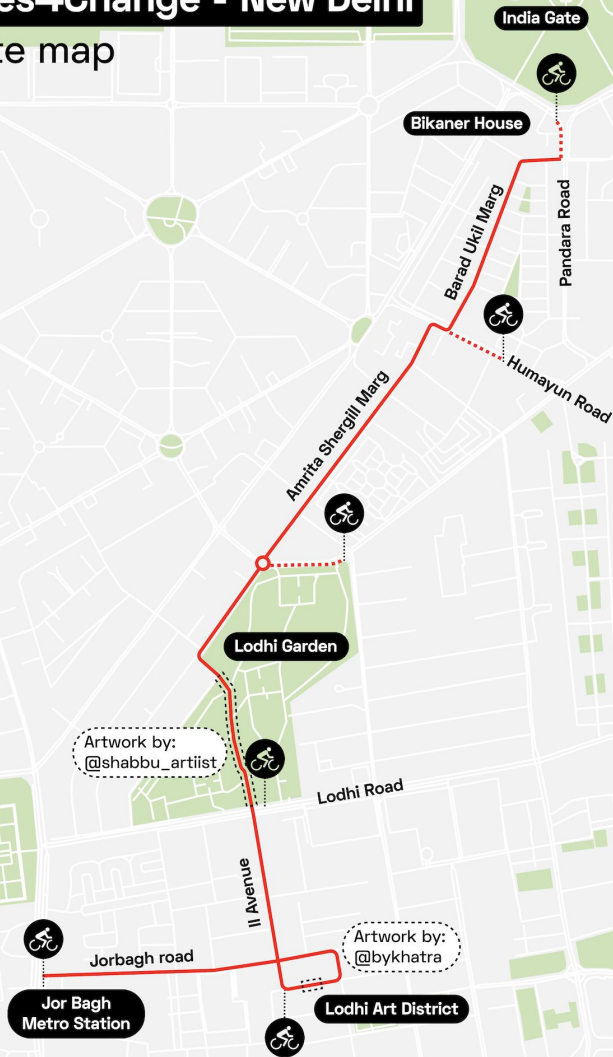


# **Design of corridor & neighbourhood**

# Corridor and neighbourhood pilot location overview

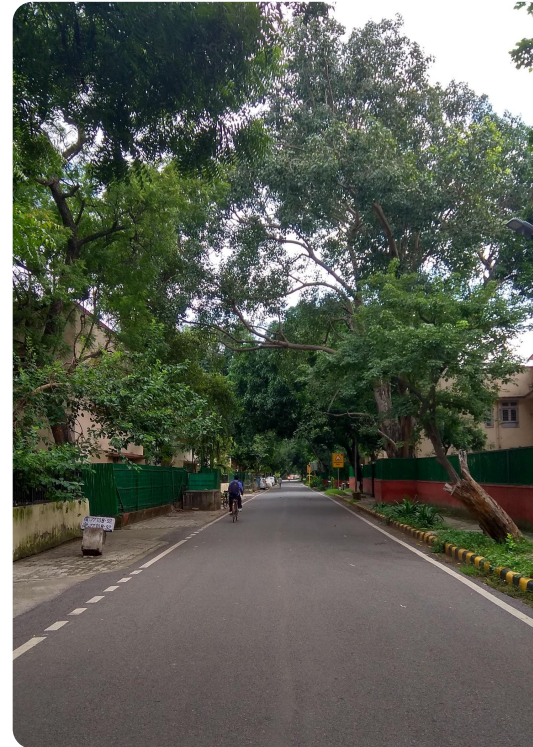
## Cycles4Change - New Delhi

Route map



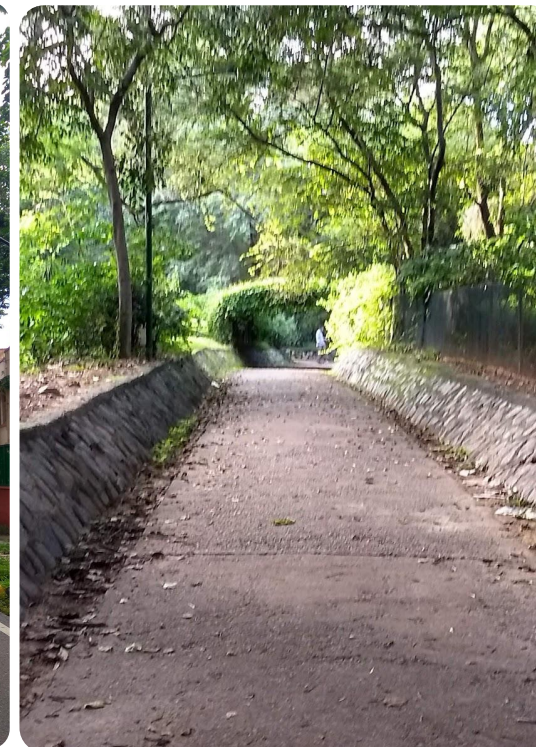
**6 kilometers — 7 neighbourhoods — 9 days**

*India Gate — Khan Market — Lodhi Garden — Lodhi Art District — Jor bagh*



**Bikaner House to  
Amrita Shergill Marg**

3000m



**Lodhi Garden  
Cycle Track**

500 metres

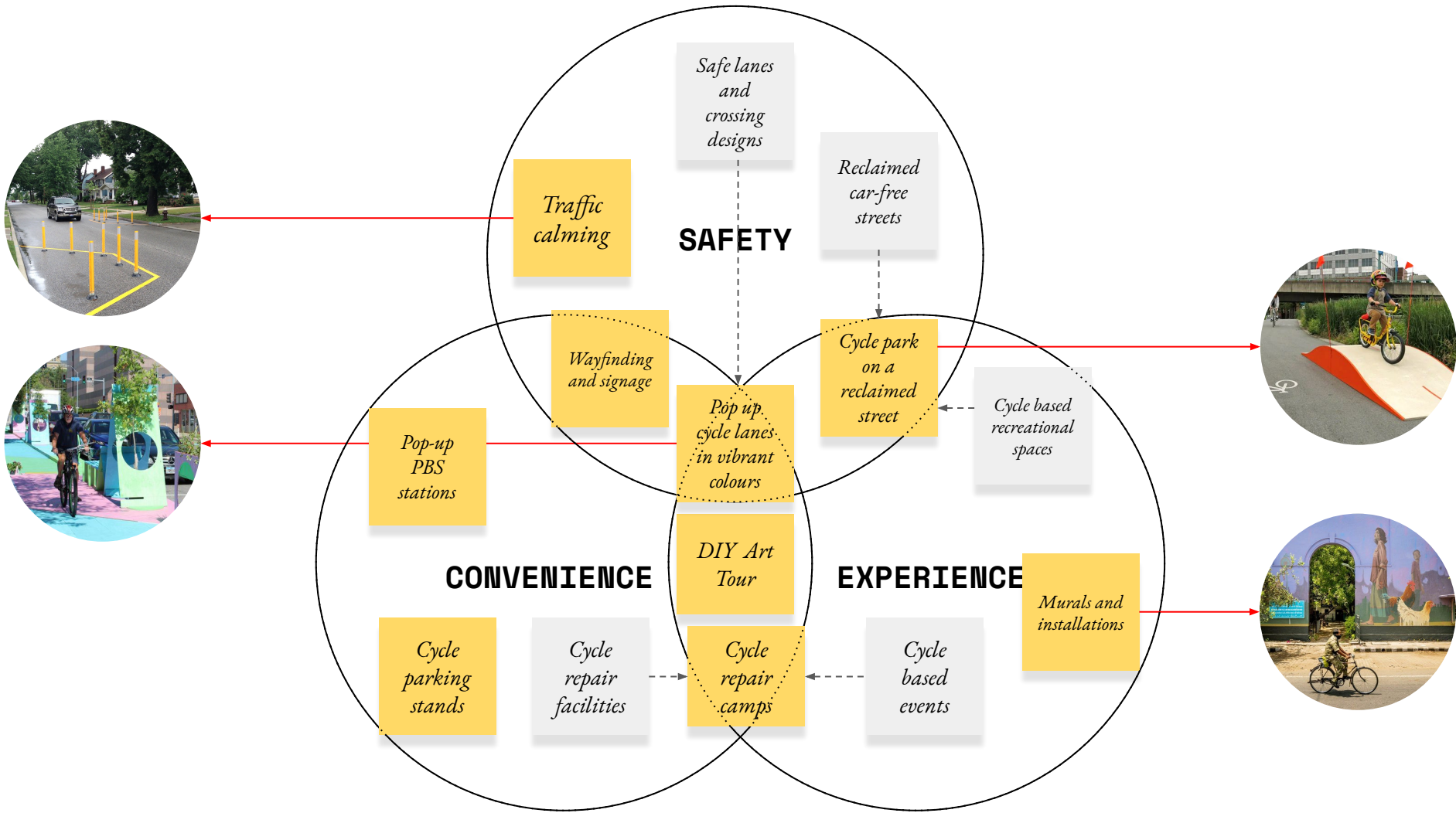


**Lodhi Colony to  
Jor Bagh**

2500m



# Planned interventions – Three-point framework



**All roads and streets in NDMC area will give priority to pedestrians and cyclists**

**1**

**Pedestrian friendly**

—

Obstruction-free, at grade footpath and user-friendly ramps

**2**

**Cycle friendly**

—

Continuous and dedicated cycle tracks especially at crossings & conflicting zones for safety and security

**3**

**Uniform carriageway**

—

Strict lane driving for motorised vehicles along uniform lane widths for smooth traffic

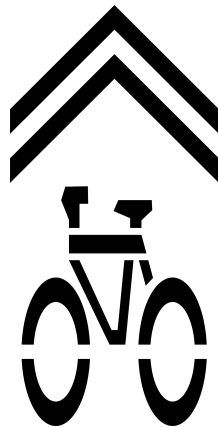


# Design for corridor : Shared vs Dedicated cycle lane

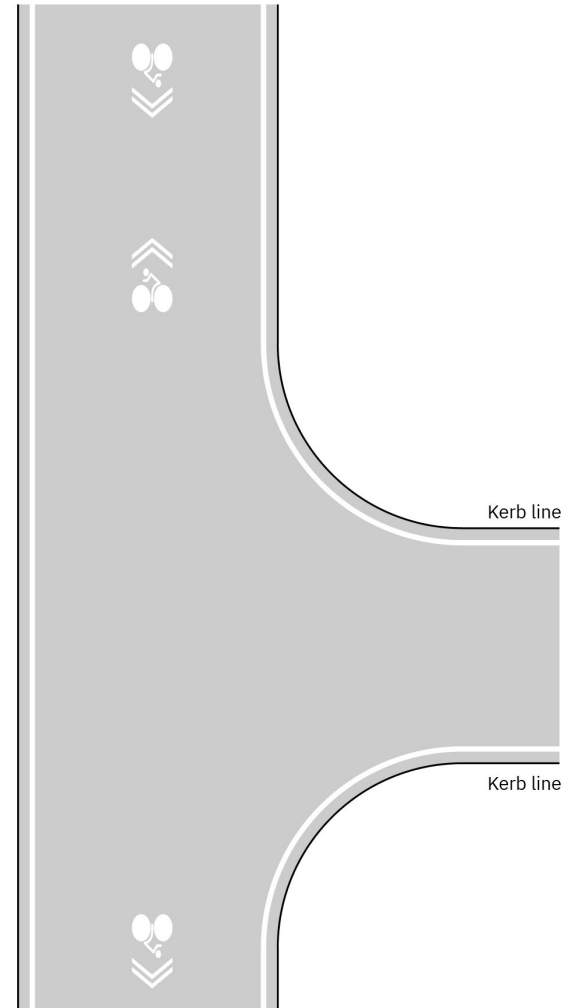
## Engineering interventions for safety of cyclists

- Cycle symbols for shared and dedicated stretches
- Cycle track painting in green colour for conflict zones
- Implemented Road safety devices
  - Cycle symbols - **138 nos.**
  - Thermoplastic paint - **596 sq.m.**
  - Cold paint for road marking - **1721 sq.m.**
  - Retro-reflective studs - **250 nos.**
  - Retro-reflective safety cones with chain - **96 nos.**
  - Spring bollards with cycle signage - **51 nos.**

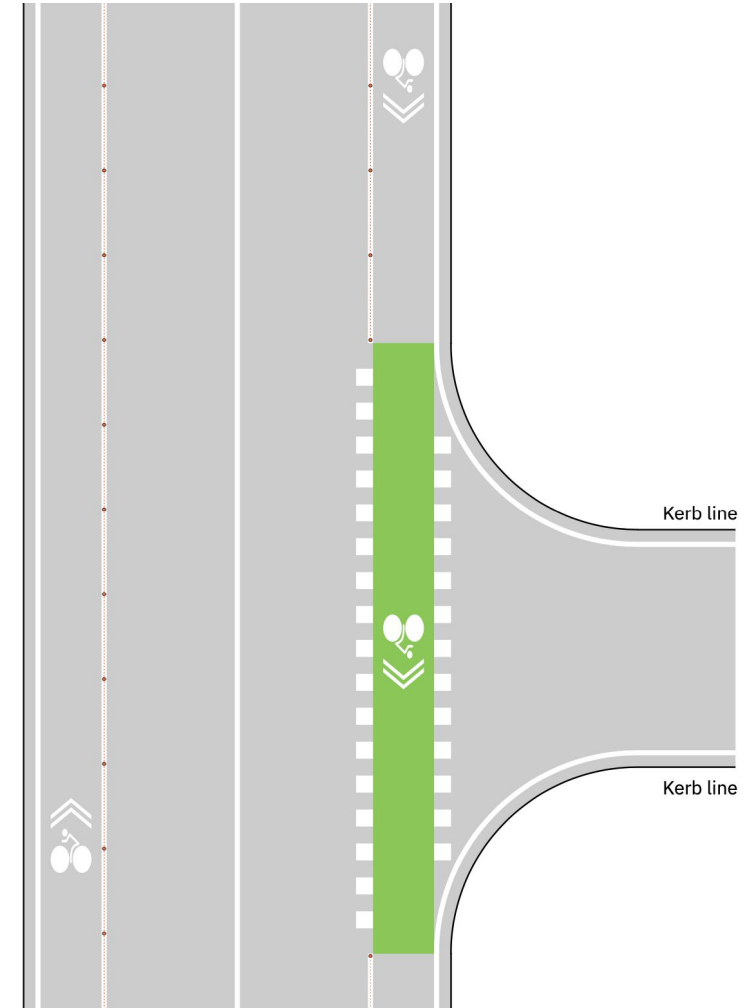
Stencil-based  
cycle symbol  
design used for  
road markings  
along the  
corridor



## Shared stretches:



## Dedicated cycle track:





# Design for corridor : Revamp existing cycle tracks





# Design for intersections

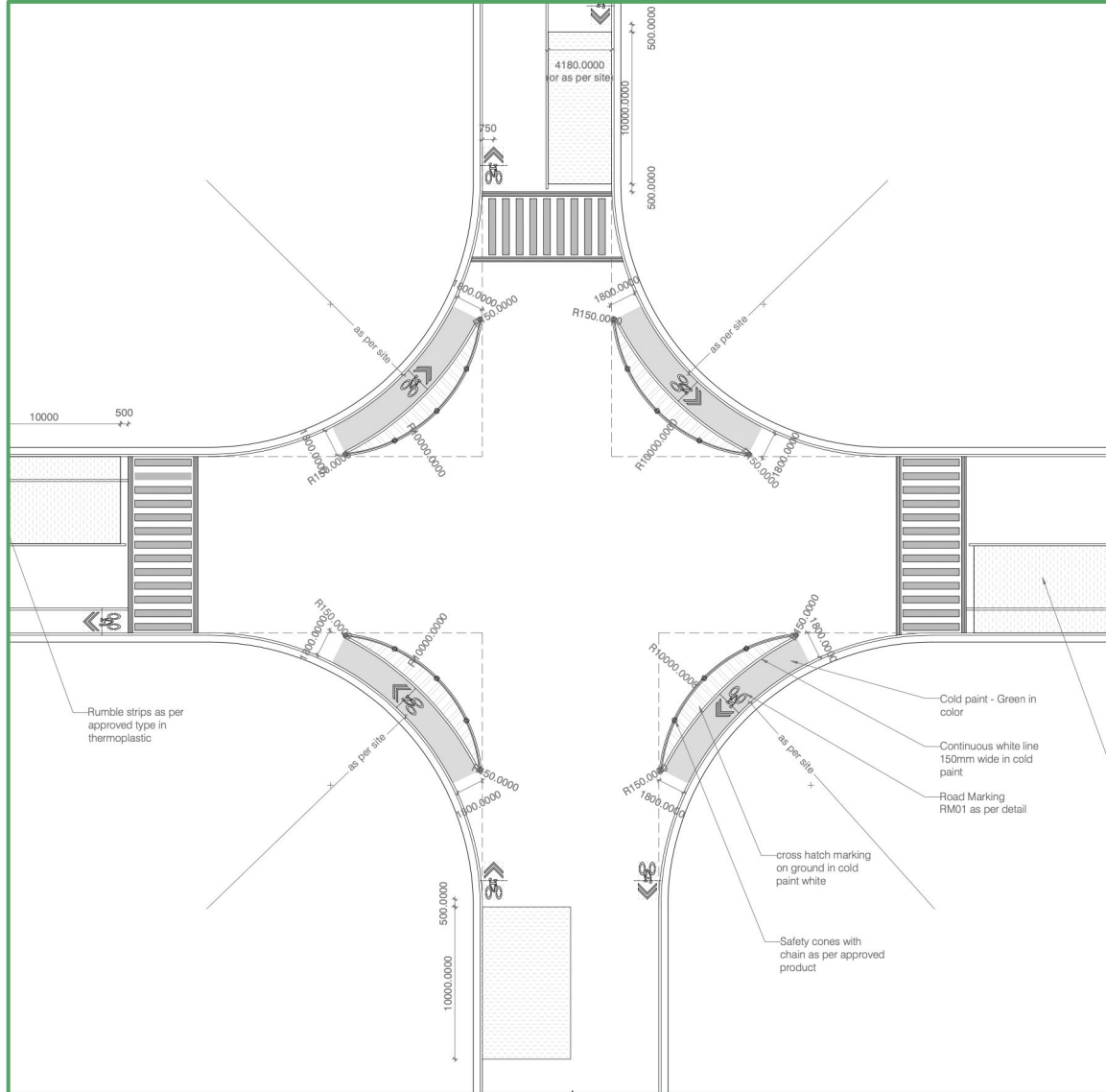
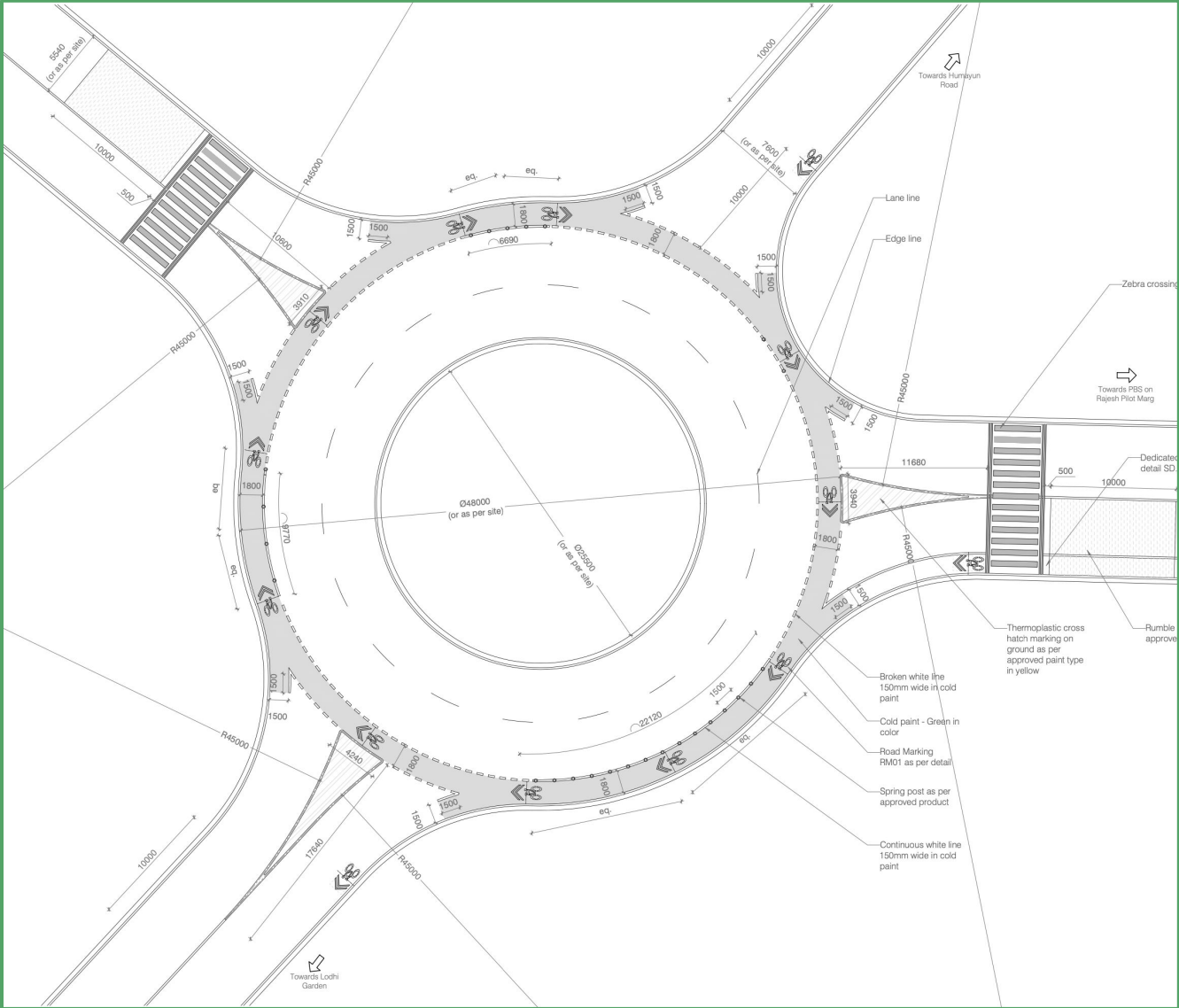
## Safety features for intersections

- Retro-reflective, flexible spring posts
- Dedicated cycle track marking on surface with green paint
- Cycle symbols
- **Speed calming marking on all approaching roads to slow speeds of motorised vehicles and make it safe for the cyclists**



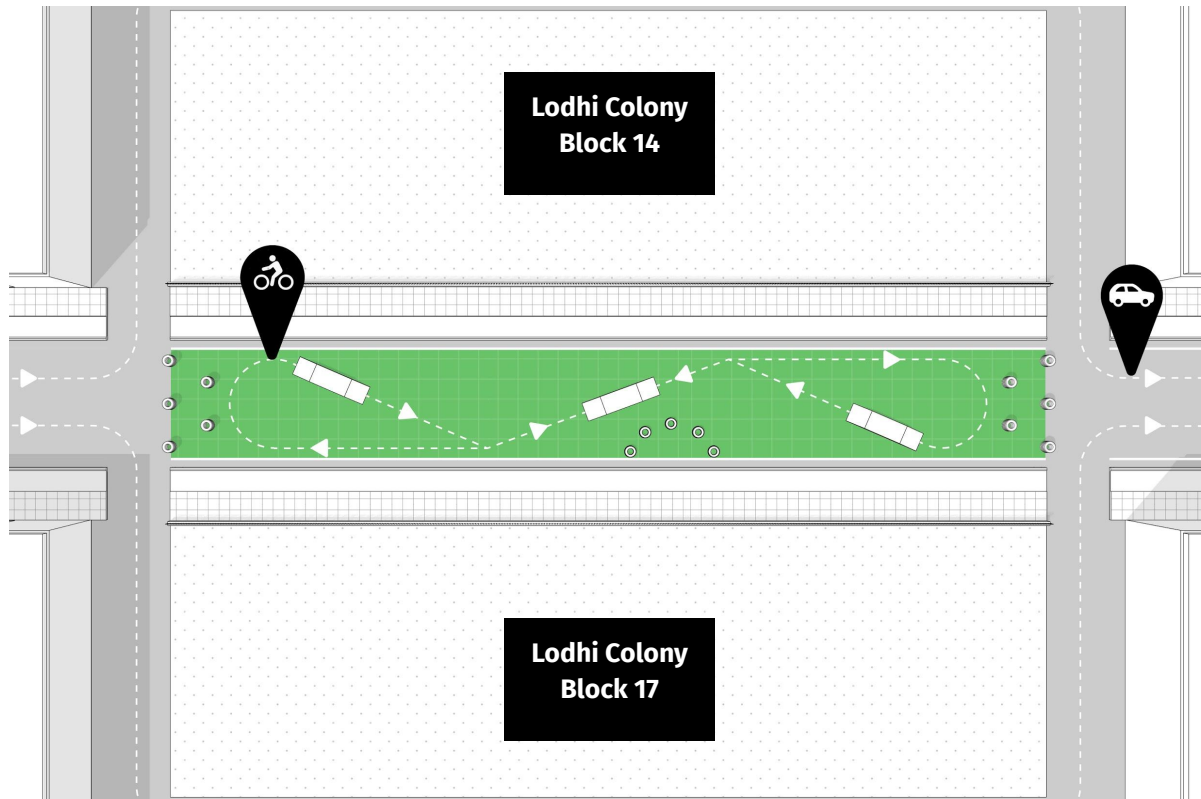


# Design for intersections





# Design for neighbourhood — Reclaiming public street



Pop-up cycle plaza as a reclaimed public street for citizen engagement and recreational activities through painted street and placement of wooden ramps, painted tyres with safety cones for guiding

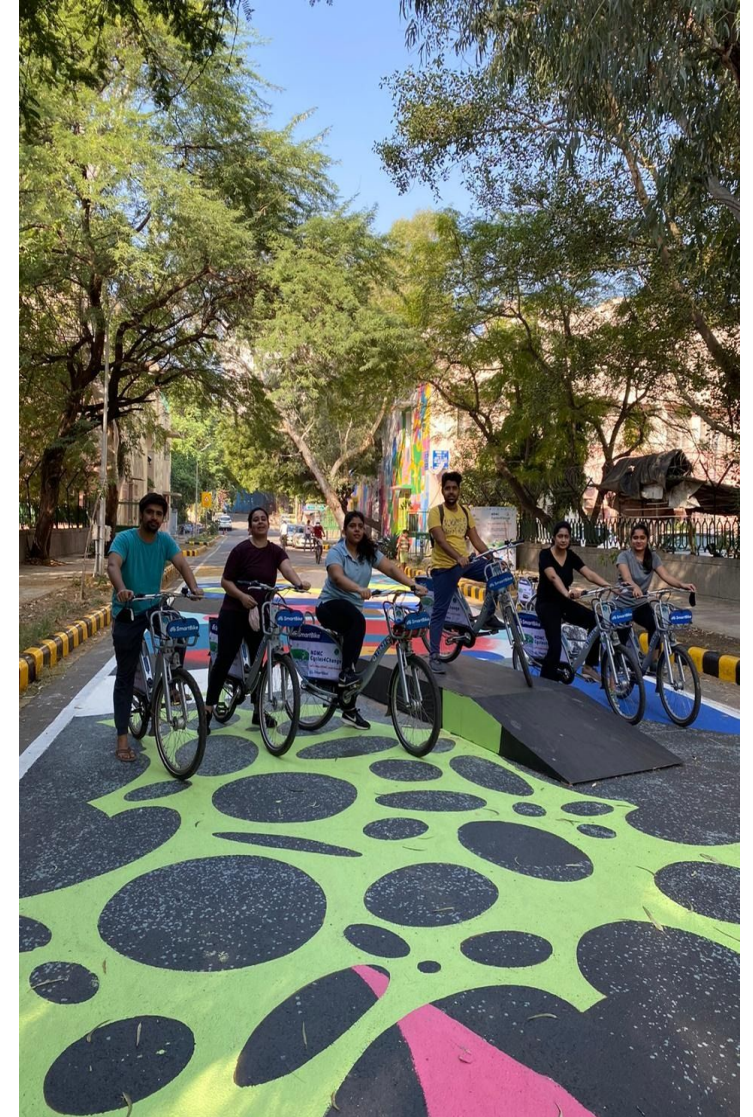


# Implementation Process





# Implementation Process





# October 2nd to 10th — Pilot Demonstration



## Guided tours for promoting cycling and lane driving Mornings (6am to 9am) & evenings (5pm to 7pm)

- Cycling batches were organised every hour from Bikaner House PBS station
- 8-12 cyclists per group
- Marshals on ground guide cyclists through the route

**5000+**  
participants from general public and  
cycling groups across Delhi NCR



# Observations

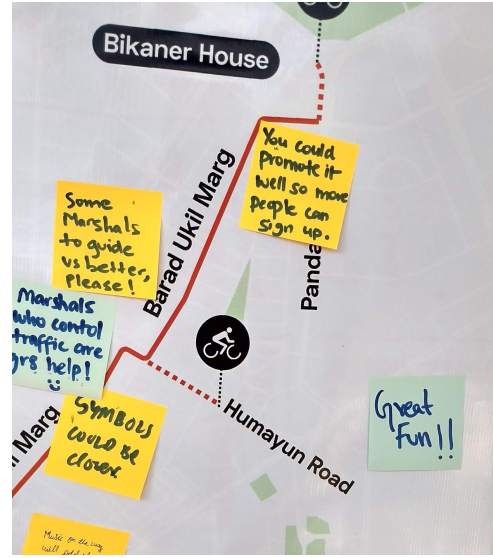
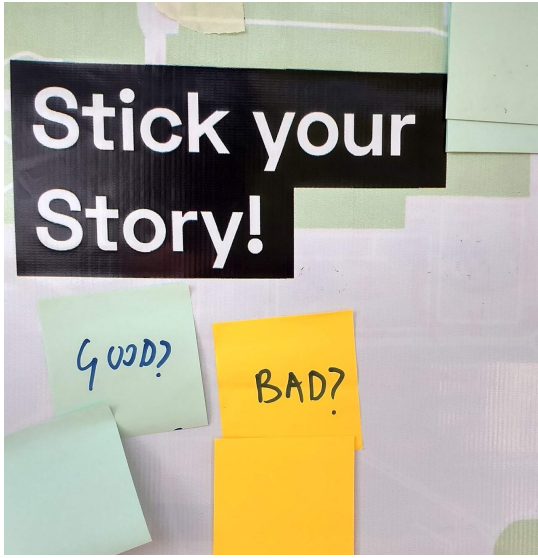


## TIMELAPSES TO STUDY BEHAVIOUR AT INTERSECTIONS





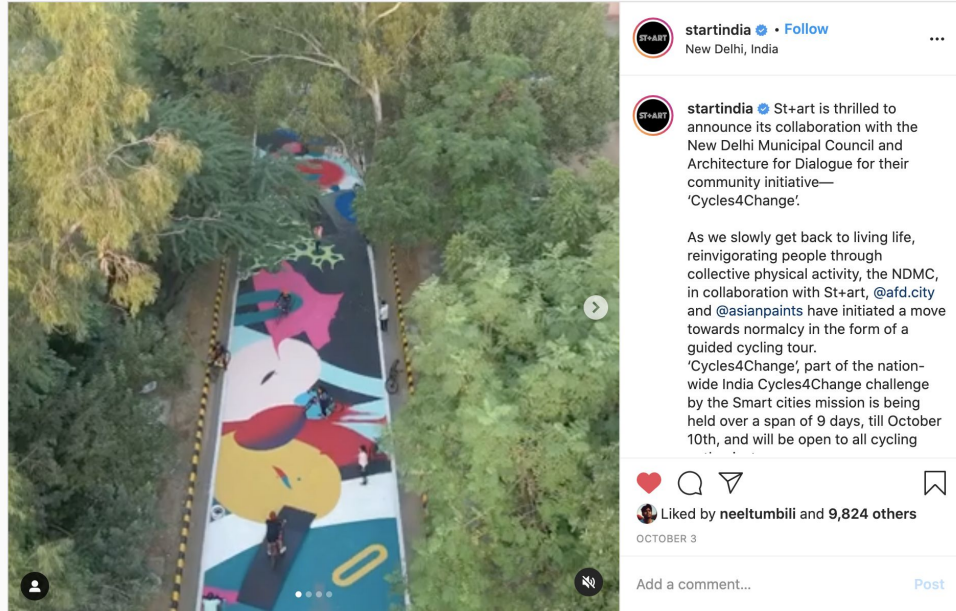
# Testing designs on ground : Interaction sessions



Let's make NDMC cycle-friendly!



# Media Engagement — Social Media + Press



## NDMC inaugurates 6 km cycling corridor from India Gate to Jor Bagh Metro station

### OUR CORRESPONDENT

**NEW DELHI:** To promote cycling in the national Capital, the New Delhi Municipal Council (NDMC) has built a dedicated 6 km cycling corridor from India Gate to Jor Bagh Metro station via Lodhi Garden. NDMC Chairperson Dharmendra flagged off a cycle ride tour Friday on the occasion of Gandhi Jayanti from Bikaner House near India Gate as part of the 'NDMC Cycles4Change' initiative.

At a time when physical and sports activities have been drastically curtailed in view of the COVID-19 pandemic, NDMC's initiative is a move towards normalcy and road safety", he said. To elevate the safety, convenience and experience of cyclists, NDMC has also added wall murals, paintings and recreational spaces throughout the 6 km stretch.

The cycling tour will continue till October 10. The timings will be for three hours in



the morning between 6.00 am to 9.00 am and two hours in the evening from 5.00 pm to 7.00 pm every day. The route will be from Bikaner House (India Gate) to Humayun Road, Amrita Shergil Marg, Lodhi Garden Gate No.6, Lodhi Garden Gate No.11, Avenue Road-

II, Lodhi Colony Block-17, Lodhi Colony Cycle Plaza and Jor Bagh Metro Station. E-Bike, Scooters and Motorcycles are not allowed on the cycle tracks. To ensure the safety of the participants, especially for women and children, NDMC has deployed Marshals

during the specified timings at nearby cycle track locations.

Secretary-NDMC, Amit Singla, invited citizens to take part in the cycle rides. Citizens can bring their own cycle or rent smart bikes from Smart Bike Stations. Smart Bikes are already available in public bike sharing systems at 50 Smart Stations.

The transformation of road stretches, intersection roundabouts with temporary/permanent marking of cycle tracks have improved cycling infrastructure and will encourage people to opt for cycling in their day-to-day life. Based on the success of this pilot project, many more corridors will be dedicated in other areas under NDMC jurisdiction in the coming winter seasons, he added.

The Health Department of NDMC has also organised a 'Swachhta Rally' to spread the message for make and maintain neat, clean and green New Delhi.

**NDMC Cycles4Change**

Let's make NDMC cycle friendly  
Elevating the safety, convenience and experience of cyclists in New Delhi

Dated : 2nd Oct. 2020 (Friday) to 10th Oct. 2020 (Saturday)  
Timing : 6.00 am to 9.00 am and 5.00 pm to 7.00 pm

Route : Pilot corridor Starting from India Gate, Bikaner House to Jorbagh Metro Station Via Lodhi Garden and Cycle Plaza Lodi Colony

Logos: NDMC Smart City Limited, NDMC, Smart City, Mobile App, SmartBike, ITDP, FIT INDIA, etc.

### PUSHING GREEN WHEELS

NDMC to conduct pilot project for Cycle 4 Change from October 2 to 10

Timings: 6-9am, 5-7pm  
Area covered: 6km

**ROUTE:** India Gate-Bikaner House-Jorbagh Metro station via Lodhi Garden, and Cycle Plaza, Lodhi Colony

**ARRANGEMENTS MADE**

- Cycling tracks on this route repaired and made hindrance-free
- Stretches being painted at places, including at entrance of gate nos. 11 and 6 of Lodhi Garden and between blocks 14 and 17 of Lodhi Colony to encourage cyclists
- Marshals will be deployed for convenience and safety of cyclists
- More cycling events will be organised in NDMC areas in winter

**HOW TO RENT A BIKE**

- User will have to download NDMC 311 app, choose a bike and enter its number, and tap on 'rent a bike'
- One can scan QR code and unlock a smart bike

**CHARGES**

- ₹10 for first-timers for first 30 mins, will increase by ₹5 every 30 mins after that
- For registered users of app, first ride will be free for first 30 mins

Spots to rent smart bikes include gate no. 1 at Bikaner House, Lodhi Garden, Khan Market and Jorbagh Metro stations

afd.city  
Lodhi Art District

afd.city What happens when you give a street back to its people?

With NDMC and good friends at @startindia, we transformed an internal street in Lodhi Art District into Delhi's first pop-up cycle plaza -- a dedicated recreational space for cyclists and families alike. No vehicles allowed.

In the past week, residents have ventured out of their homes to reclaim the street and spend quality outdoor time with their families and neighbours at the plaza.

Cyclists visiting from all over the city are engaging in discussions and expressing their love for cycles.

Liked by manyu.singhal and 146 others  
OCTOBER 7

Add a comment... Post

**TOTAL SMARTBIKE RIDERS:** 100,000+

**TOTAL RIDES:** 172,000+

**TOTAL DISTANCE TRAVELLED:** 650,000 Km +

**NON-EMITTED CARBON DIOXIDE (CO2):** 162,500 Kg



# Thank you

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[ndmc.gov.in](http://ndmc.gov.in)

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**NDMC Smart  
City Limited**