

Need, Objective and Scope of Study

PROBLEM STATEMENT

Problem Statement

Worsening Traffic Congestion

Uncomfortable & Unaffordable Mobility Options

Environmental Degradation

Social Inequality

Lack of Safety- Road accidents

Segregated Land Uses

• Increased no. of Trips

More CARS & Demotion of Public Transport.

Large Urban Block Perimeter

Supply of Extra Wide Roads and

• Non- walk able blocks

vide Roads and urban sprawl • Encourage Cars

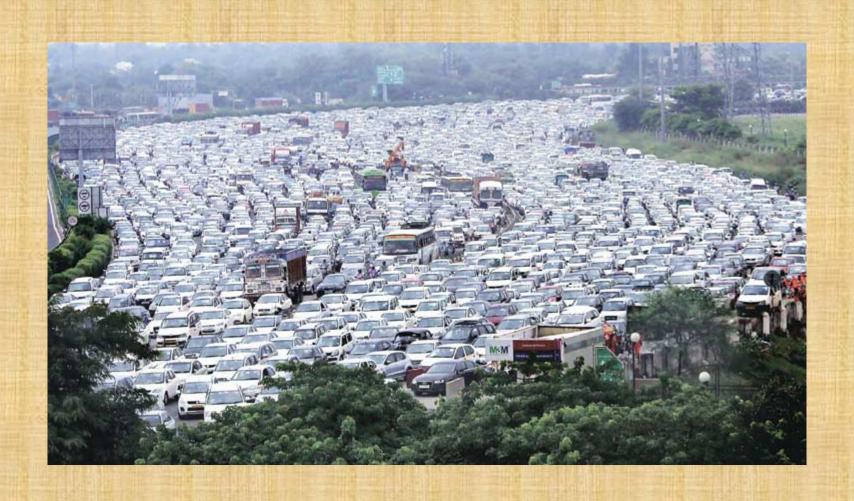
Lack of Street Infrastructure

• Lack of Safety

No Proper Footpaths

• Discourage walking

Massive Traffic Jam at Gurgoan on Delhi –Jaipur National Highway in August 2016



NEED FOR TRANSIT ORIENTED STRATEGIES FOR INDIAN CITIES

TOD a smart growth strategy to shift people from private vehicles to public transportation by offering more attractive alternatives like:

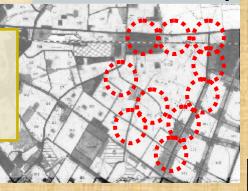
- low cost, comfortable, non-motorized transport
- pleasurable walking experiences
- easily accessible and comfortable mass transportation with easy, convenient and comfortable intermodal transfers for last mile connectivity

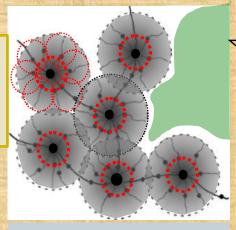
The National Urban
Transport Policy (NUTP)
2006 has also advocated
promotion of TOD
concept for Indian cities

All cities where metro system are being planned are restructuring their cities based on TOD As the construction of Metro system entails huge capital investment for its construction, operation and maintenance, TOD becomes imperative to ensure smart growth and financial sustainability.

In the absence of appropriate policy guidelines for formulation of Corridor level plan in TOD or DOT (Development Oriented Transit) policy in Gurgaon, it is necessary to evolve a corridor plan to regulate the land use and frame zoning regulations for TOD//DOT in SPR which is also known as Golf Corse Extension road.

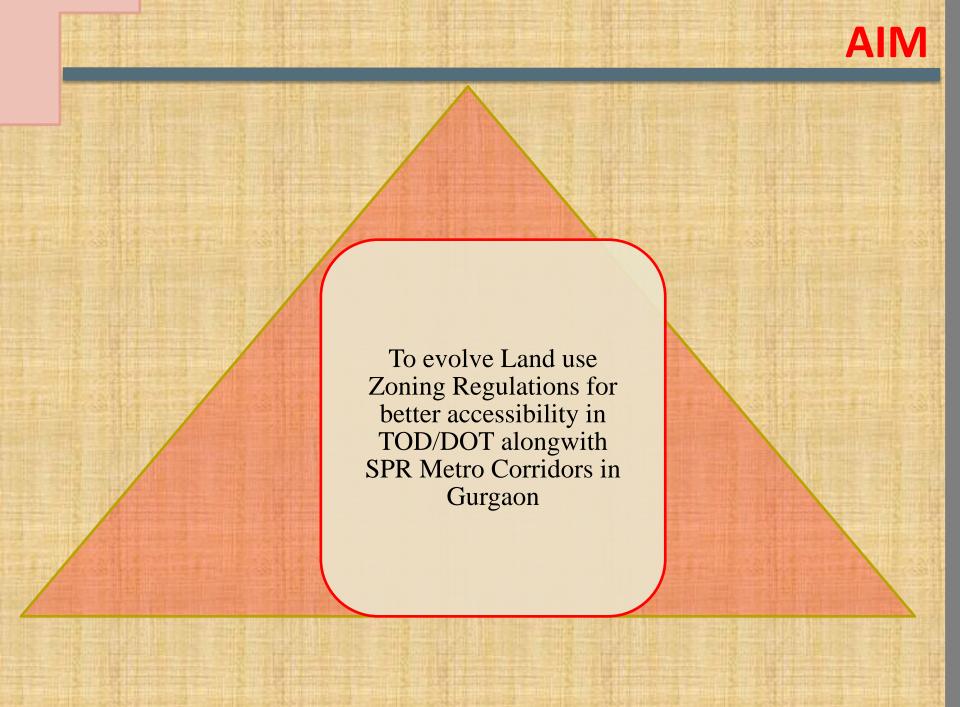
Auto-Oriented City





Transit-Oriented City

mage Source: LITTIPEC 2011



OBJECTIVES

To appreciate and understand the concept of Transit Oriented Development (TOD) or Development Oriented Transits(DOT)

To review best practices of TOD around the globe and its related land uses and zoning regulations.

To Prepare a Land use Zoning Regulations for corridor level Plan proposed TOD/DOT corridor on Southern Periphery Road which is also known as Golf Course Extension Road, Gurgaon

RESEARCH METHODOLOGY

Problem Identification- based on background study and finalisation of study objectives

Literature Review (Phase -1)

Data Collection (Phase-2)

Primary

- 1. Real Estate Survey
- 2. Metro User Survey
- 3. Reconnaissance Study

Secondary

- 1. Review of Existing Development Plan and zoning regulation and TOD policy.
- 2. Detail about metro corridor alignment and area under development /developed
- 3. Ridership details.

RESEARCH METHODOLOGY

Data Analysis

- 1.Land Use Pattern/Built up space around Southern Periphery Road TOD corridor.
- 2 Metro User Characterises and other stakeholders.
- 3. Status Public Transport & NMT Road Network Supply in catchment area of existing metro stations sector -29 Gurgaon

Corridor level Plan for Southern Periphery Road (SPR)

PRIMARY DATA COLLECTED IN PHASE-2

PRIMARY SURVEYS

- 1. Land use survey along existing metro operational corridor and SPR
- 2. Metro user surveys regarding willingness to walk at HUDA city Centre Metro Station
- 3. Real Estate Surveys / Builder consultation in the TOD workshop

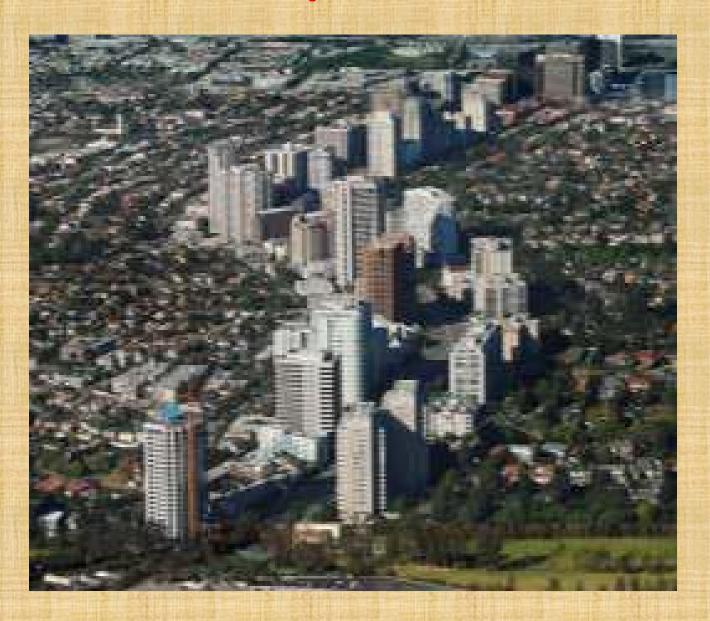
SECONDARY DATA

 Number of licence granted on SPR and status of construction and areas available for future development and NMT

SCOPE & LIMITATIONS

- 1. The study was based on secondary data and further supplemented by limited primary surveys.
- 2. Purposed corridor level plan for Southern Periphery Road in Gurgaon shall be recommended and father ground truthening is required.

Concept of TOD



CONCEPT OF TOD

Density

Adequate population density for transit ridership

Diversity

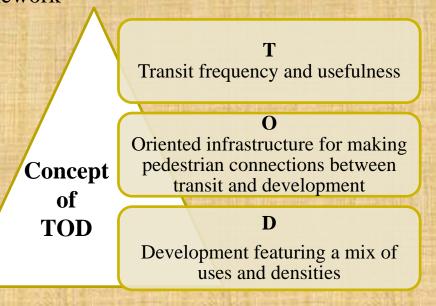
Mixed Use, Mixed Income that use transit

Design

Safe, comfortable, active environment to promote walk ability and access through design

HOLISTIC CONCEPT OF TOD

TOD is about densification and redevelopment along with transport corridor, it is also the Integration of various components of Sustainable Community Planning into a holistic framework



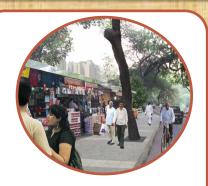


KEY COMPONENTS OF TOD



Improved Densities

Increased population and employment densities place more potential riders within walking distance of transit station /stops.



Mixed uses

Retail, office, residential and public space promote concentration of public activity around transit station/stops, increasing physical and cultural prominence of transit in the community, as well as facilitating trip changing linked to transit



Pedestrian Orientation

Placing daily goods and services, as well as recreational destinations, within walking distance reduce use of car supporting transit use for commuting and other regional travel; orienting building entrances towards transit stops



Urban Design

Urban design aspects
play an important role
in making the TOD
communities
pedestrian friendly and
ensuring more active
lifestyle

KEY COMPONENTS OF TOD

KEY COMPONENTS OF TOD



Compact Development

The scale of transit oriented development approximates the scale of the pedestrian. The extent of these neighborhoods is based on a comfortable walking distance from edge to centre (approximately 300 to 800 meters in radius)



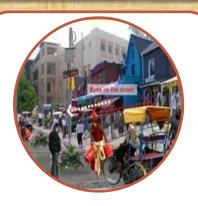
Interconnected Streets

An interconnected street pattern is a traditional urban design technique that reduces congestion, encourages travel choice, and supports mixed use development



Parking

TOD is an opportunity to reduce parking in station reduced residential vehicle ownership etc. Setting both minimum and maximum parking standards can help ensure the success of a station area as well as optimize transit ridership



Safety & Security

Developing the pedestrian environment to maximize safety and security will enhance user's experience and transit ridership

KEY COMPONENTS OF TOD

BENEFITS OF TOD

Economic Benefits

- Contribute in affordable housing
- Increase transit ridership
- Encourages use of nonmotorized transportation
- Creates compact, sustainable urban form
- Increases land values

Social Benefits

- Increase public safety
- Increases mobility choices
- Reduce Travel time
- Increases health benefits

Environmental Benefits

- Reduce energy consumption
- Reduce green house gas emission
- Preserve resource lands and open space
- Save land from Urban Sprawl

TRANSIT ORIENTED DEVELOPMENT

Key Learning

Intensification of mix land use development along transit corridors

Adequate accessibility for safe and sustainable transportation systems

Traffic and pedestrian safety management

Provision of less /no Parking

Policies for retrofitting, redevelopment/infill and green field developments;

TOD influence zones for areas within a certain radius of transit stations or stops;

Detailed influence zone plans for creating pedestrian friendly environment, multimodal connectivity, modal shifts and high density development



CASE STUDY -HONG KONG

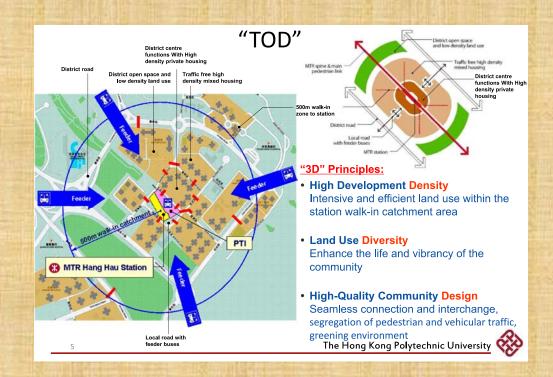
- Highly developed transportation network.
- Over **90% of daily travels** (11 million) are on **public transport**.
- Urban development generally follows
 a "Public Transport-Oriented
 Development" approach. Its unique
 characters in terms of dense
 population and limited size of land
 have shaped Hong Kong to be
 capable of adopting the concept of
 TOD.
- The Hong Kong 2030 Planning Vision and Strategy, an integrated approach land-use, transport to and environmental protection, was adopted, leading to a "Preferred Development Option" which highlighted the planning concepts of setting development axes along railways and allowing more intensive development around railway stations.



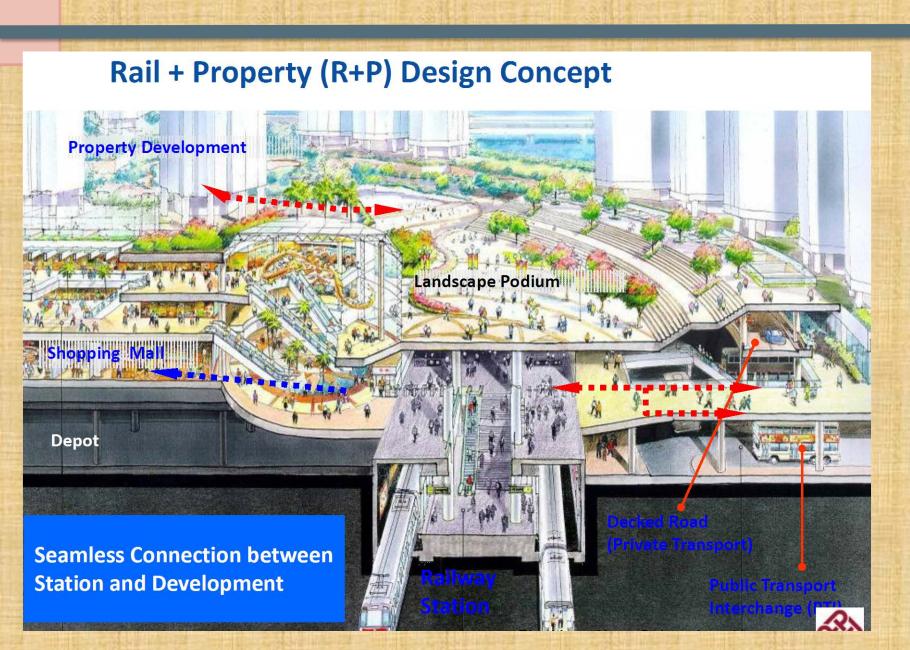
Hong Kong is a good example of a city where the transit authority is able to discuss/negotiate with the developers to facilitate direct access from high-impact developments to the transit station via underground/overhead walkways

CASE STUDY -HONG KONG

- Approximately 42% of the housing and employment population and 75% of the commercial and office floor areas are located within a radius of 500 meters of railway stations which demonstrates the integration of land use and transport planning and a compact efficient urban development approach.
- The compact development have various residential housing choices within walking distance of a transit facility ranging from 0.4 to 0.8 km radius, or up to a 15 minute walk

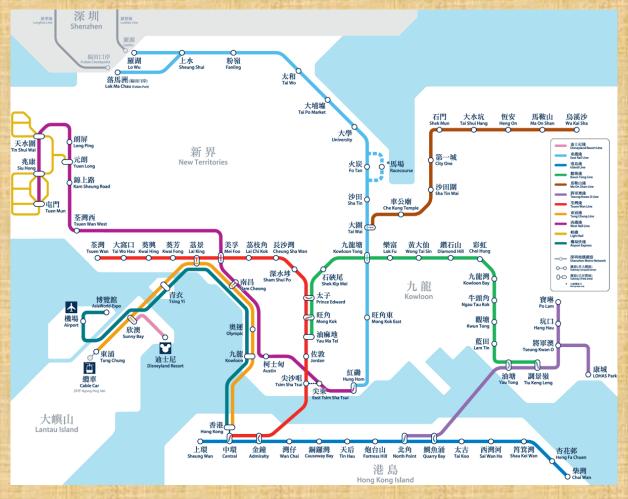


INTEGRATED DESIGN



Sustainable transportation Strategy

- 1. Better integration of transport and land use planning
- 2. Better use of railways as the back-bone of transport system
- 3. Better public transport services and facilities
- 4. Better use of advanced technologies in transport management
- 5. Better environmental protection



HONG KONG: SUCCESS FACTORS

- Key Success Factor: Railway (Metro) plus Property Development Financing Model
- Property Sales and Rental Profits cover a major part of capital investments of the
 Metro lines
- Fare income covers the operating costs
- Competitive tender of property packages to developers
- MTR (Metro operator) contributes property rights, oversees design and construction
- Developers pay land premium & development costs



Application of TOD Influence Zone

Zone 1: Intense TOD Zone	Zone 2: Standard TOD Zone	Zone 3: TOD Transition Zone
• 300 M influence zone of all MRTS Stations • 800m* (10-min walking) influence zone of Regional Interchange Station (i.e. Rail -MRTS, or two MRTS lines.)	800m* (10-min walking) influence zone of all MRTS Stations.	2000m** (10-minute cycling distance) influence zone of all MRTS Stations.

^{*}Walking speed is considered approx. 5 km/hour.



^{**}Cycling speed is considered approx. 12 km/hour.



Norms:

At least 30% residential and 20% Commercial & Institutional use (min. 5% commercial and min. 5% institutional use) of FAR is mandatory in every new/redevelopment project within the Influence Zone.

- i. New/ Redevelopment projects with more than 1.5 FAR of Commercial use shall be permitted/ located only within the 300 m walking distance from the MRTS station (Intense TOD zone).
- ii. At least 50% of total street frontage length of any TOD project should have an active frontage, i.e. a mix of at least two types of uses with different peak hours of activity stacked vertically, to provide round-the-clock 'eyes on the street'.





Permissible FAR and Density*					
	Minimum permissible density (with ±10% variation)				
Gross FAR (site)	Residential dominated project	Predominantly non-residential			
	(Residential FAR ≥ 50%)	(Residential FAR ≤ 30%)			
Below 1.0	Under-utilization of FAR	Under-utilization of FAR			
Delow 1.0	(not permitted)	(not permitted)			
1.1 - 2.0	200- 400 du/ha	100 - 200 du/ha			
upto 3.0	400 - 600 du/ha	250 - 400 du/ha			
3.1 - 4.0	600 - 800 du/ha	400 - 600 du/ha			
* Site level FAR shall be based on Approved TOD Influence Zone Plan.					

Minimum Ground Coverage.

The minimum Ground Coverage requirement for all plots, blocks and projects within TOD influence zones is 50%. In developed areas, this norm would apply to redevelopment or infill development projects only.





Non-Permissible Uses for all new projects within TOD Intense

Car-sales showrooms

Banquet halls

Automobile-repair/ services/ vehicular servicing shops

LPG Godowns

Electric Substation 220 KV (Check Buffer requirement/ restriction)

Bus Depot (permitted only if clubbed with terminal & in form of mixed-use development site

Cremation ground

Stand-alone Multi Level Parking without on-site mixed use.

Open ground parking lot (if provided shall be counted as FAR consumption)

Any trade or activity involving any kind of obnoxious, hazardous, inflammable, non-compatible and polluting substance or process shall not be permitted.





HARYANA TOD POLICY

Haryana TOD policy

1st notified

• Sep. 5th, 2014

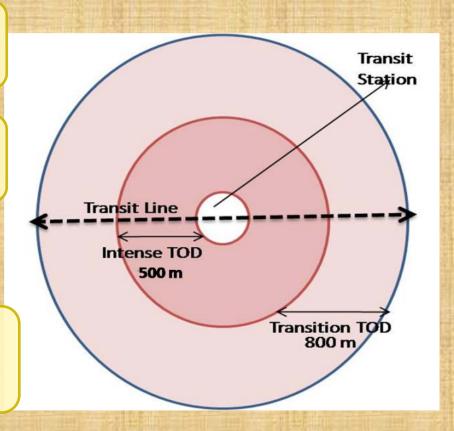
Amended

 Feb. 9th, 2016 and 23rd Nov 2016

TOD Zones

Intense TOD Zone

• First 500 mtr

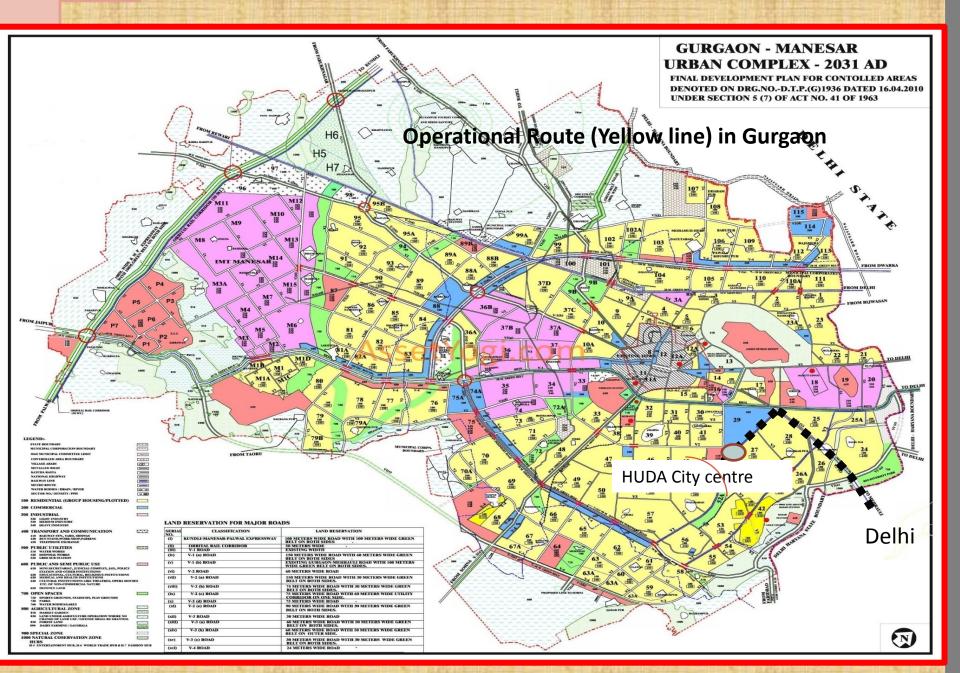


Transition TOD Zone

• Between 500 to 800 mtr

METRO ROUTES (WITHIN HARYANA TERRITORY)

Sr. No.	Metro Corridors	Remarks	
1	Delhi Metro extension (popularly known Yellow Line) along Gurgaon- Mehrauli road upto Sector -29 (HUDA City Centre), Gurgaon. There are 5 stations in Gurgaon. First is Dronacharya.	Operational	
2	Rapid Metro developed in PPP mode by DLF Ltd in collaboration with HUDA in Gurgaon. This metro connects Yellow line at Sikandarpur Station	Operational	
3	Metro Link along Northern Periphery Road as proposed in the Final Development Plan 2031 AD of Gurgaon -Manesar Urban Complex.	In-principle approved by the Govt.	
4	Metro Link along Southern Periphery Road as proposed in the Final Development Plan 2031 AD of Gurgaon- Manesar Urban Complex	In-principle approved by the Govt.	
5	Metro Link from Badarpur (Delhi) to Ballabgarh, District Faridabad.	Operational upto YMCA Chowk Faridabad	
6	Metro Link from Mundka (Delhi) to City Park, Bahadurgah , District Jhajjar	Work in progress	



Master Plan - Gurgaon Manesar Urban Complex – 2031 AD

PLANNING PARAMETERS

Purpose	TOD Zone	Maximum Ground Coverage	FAR	Population Densities
Group Housing	Intense	40 Percent (50)	3.5	600 (±10 percent)
	Transition	40 Percent (50)	2.5	430 (±10 percent)
Integrated Commercial /mix land use	Intense	40 Percent (50)	3.5	-
	Transition	40 Percent (50)	2.5	-
IT /ITES	Intense	40 Percent (50)	3.5	-
	Transition	40 Percent (50)	2.5	-

Parking Norms

Up to 100 sq m Carpet area dwelling unit	0.5 ECS
100-150 M	1.0 ECS
More than 150 M	15 ECS
COMMERCIAL AREA @50 M	1.0 ECS

APPLICABLE NORMS

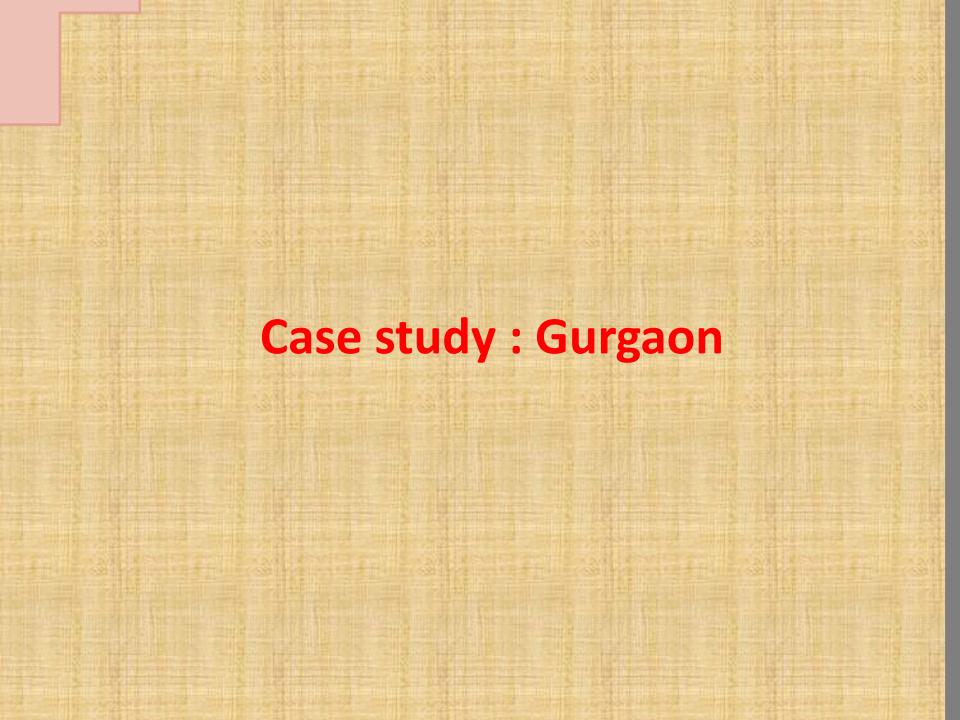
- In approved projects where the 75% of the permissible ground coverage has already been utilized, the benefit of FAR of 3.5 or 2.5 shall be allowed to be availed, even if demolition of only part ground coverage is sufficient to avail the benefit of additional FAR.
- Additional FAR: Existing or under construction developments, where no third
 party rights have been created, may be allowed as per norms of ground
 coverage, green area etc.
- Minimum density norms would not be made applicable in such cases.
- Certified structural stability of the existing and proposed constructions by a qualified structure Engineer having experience more than 10 years

APPLICABLE NORMS

- ➤ The land owners of plots in a compact block of plotted colony having an area of 0.5 acre and abutting 18 mtrs/24 mtrs wide roads may be permitted to convert into group housing colony for re-densification purposes.
- Provisions of this notification will also be allowed to be availed in those projects where group housing is a part of any plotted colony.
- Subsequent to these amendments, building plans shall be sanctioned with higher FAR as per provisions of this policy.

APPLICABLE NORMS

- Applicant shall submit a detailed technical proposal.
- The Director of TCP, after satisfying himself with regard to the suitability of the above proposal/amendments shall recommend to the Government for sanction of the proposed FAR and density.
- In case of Greenfield Metro Projects like on SPR and NPR etc., the existing licensees need to get the permission within a period of six months from the date from which the proposed policy is made applicable.
- Thereafter, they would have to deposit 15% extra "Infrastructure Augmentation Charges" for every six months delay.



CITY PROFILE- GURGAON

LOCATION OF GURGAON AND DISTANCES FROM IMPORTANT PLACES





CITY PROFILE- GURGAON

Strategic location

- Satellite town located south of Delhi
- falling in NationalCapital Region
- Latitude 28°27′55″ N
 Longitude 77° 01′00″ E

Connectivity

- Close proximity (Appx. 4 Kms) to IGI Airport
- Delhi through NH8 expressway, MG Road
- **Delhi Metro** corridor
- 100m wide Kundli
 Manesar -Palwal (KMP)
 Expressway

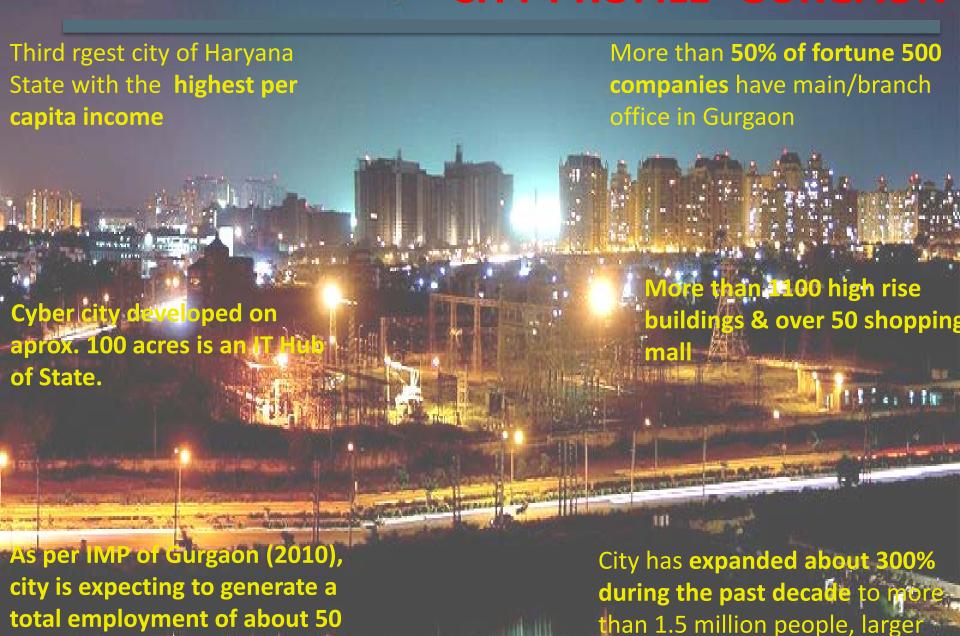
Population

- Existing 15.5 lacs & envisaged 42.5 Lacs in GMUC 2031.
- Higher percentage of working population with thousands of expats.

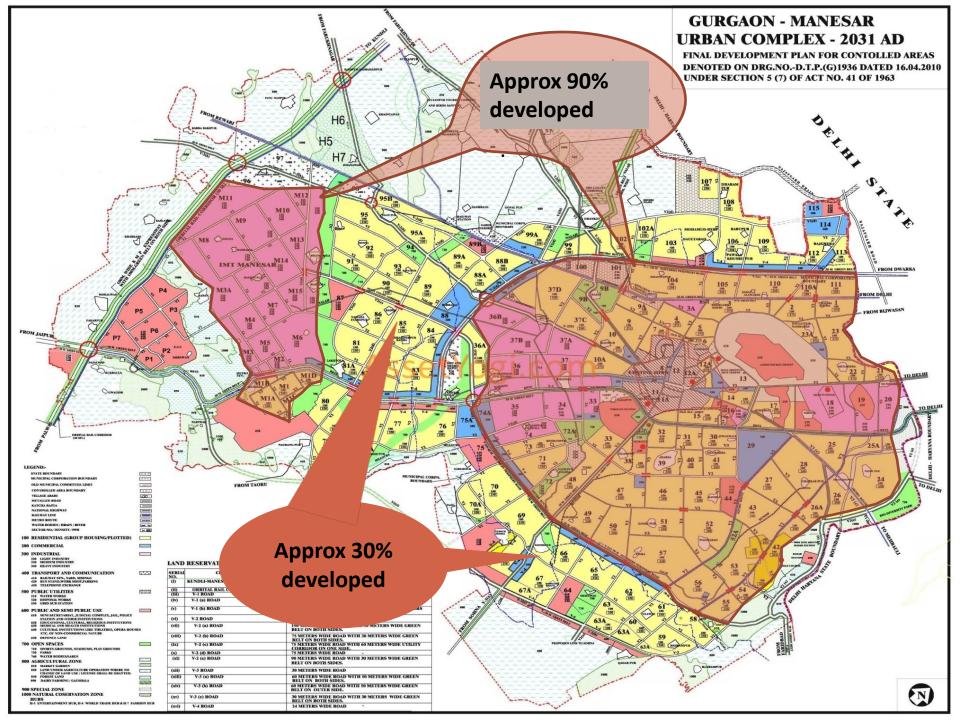


CITY PROFILE- GURGAON

than most American cities



lakhs.



PROPOSED LAND USE 2031

	Sr No.	Land Use	Area (in hectare)	In %
i	1	Residential	16021	48.57
	2	Commercial	1616	4.90
į	3	Industrial	4613	13.98
	4	Transport and Comm.	4428	13.42
	5	Public Utilities	608	1.84
í	6	Public and Semi Public	2027	6.14
i	7	Open Spaces	2928	8.88
Ì	8	Special Zone	114	0.35
	9	Defence Land	633	1.92
		Total	32988	100.00
	Open Sp	633		

Public and Semi Public 2027 6%

Public Utilities, [VALUE], [PERCENTAGE]

Transport and Communication 4428 13%

Residential 16021 49%

2%

Industrial 4613 14%

Commercial 1616 5%

2928

9%

Status of Transport

On an average **250 vehicles** are getting registered **daily**, in which two wheelers and cars constitute about two-third;

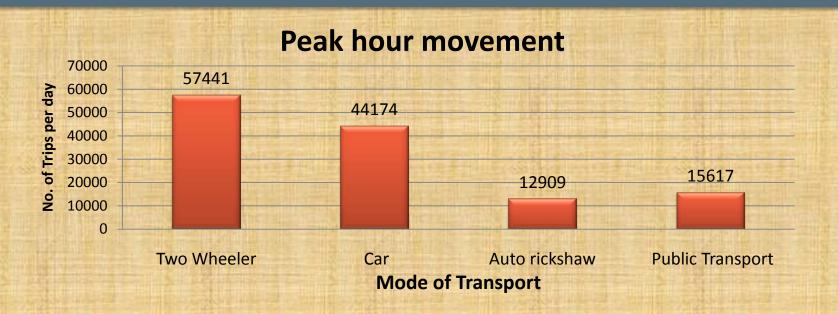
During past four years, vehicle registration has marked a **growth rate** more than **20% per annum**;

Particularly personal modes have registered a very high growth rate, cars are growing at the rate of 30%, while two wheelers at 22%;

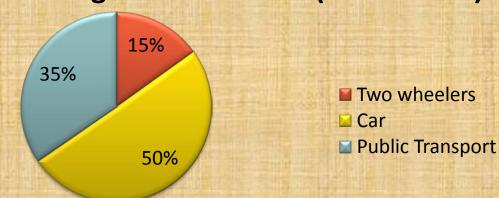
Due to the absence of public transport in Gurgaon, **Intermediate Public Transport modes** are **adding** more in the vehicle population.

Source: IMP, Gurgaon (2010)

TRAFFIC CHARACTERISTICS







Source: IMP, Gurgaon (2010)

PUBLIC TRANSPORT



Presently served mainly by intermediate public transport like mini buses and shared Auto.



The requirement of mass transport system has been tested with the transport demand for 2011, 2021 and 2031.



It is expected that the Passenger Per Hour Per Direction (PPHPD) in the transit network, along many of the major corridors, would be more than 10000 PPHPD

Source: IMP Gurgaon, 2010

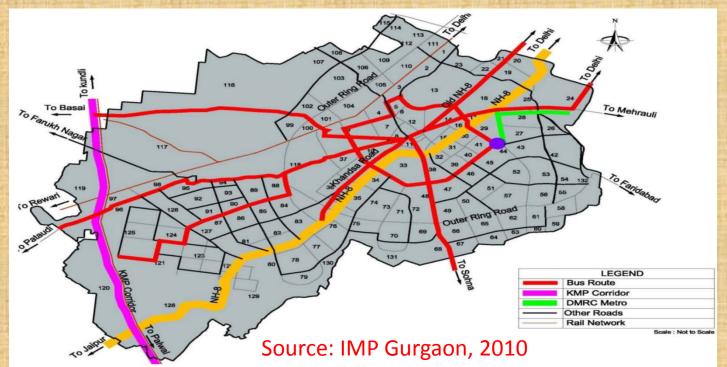
2031 Transport Indicators Gurgaon

	Indicators	Do Nothing	Benchmark
(15) (=)	Average Journey Speed	11 Kmph	30 kmph
	Public Transit Share (motorised)	4%	70%
(5%)	Walkability (Footpath Length / Road Length	5-10%	100%
	Cyclability (Cycle path Length / Road Length	0 %	30-50%
P	Fatality Index (Fatalities/ Lakh Population)	20+	Reduce by 50%
All redoc voluide	On- Street Parking Index	30-50%	0-5%
All motor volucion prohibitod	Non-Motorized Travel Index	15-20%	30-50%
:10=0p	Emissions/hr (per square km)	5 kg	Reduce by 50%

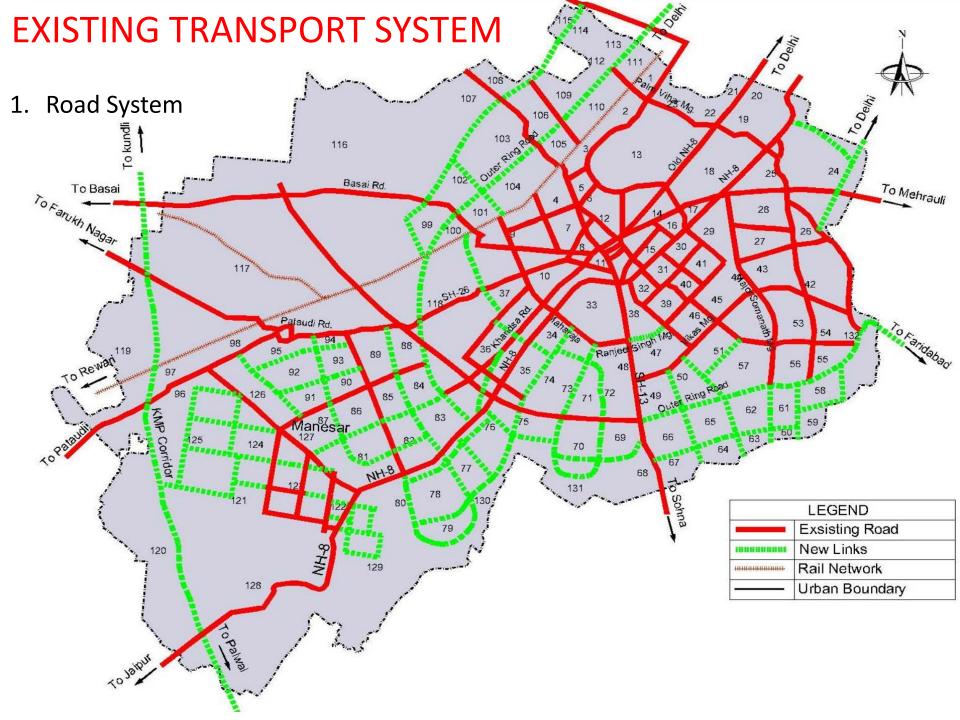
Source: IMP Gurgaon, 2010

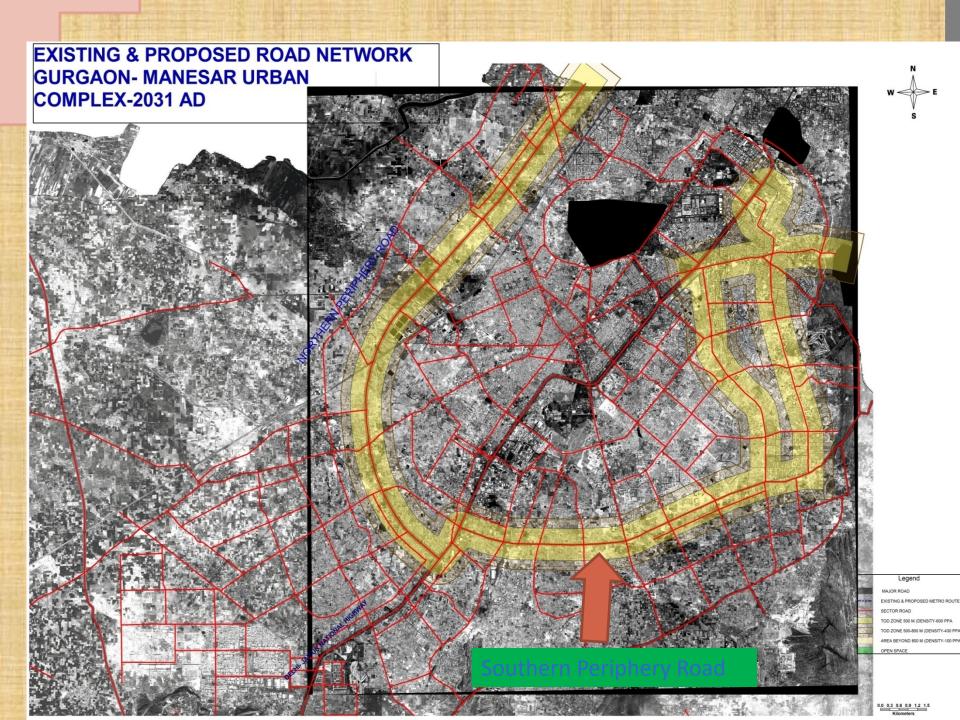
STATUS OF PUBLIC TRANSPORT

- 1. No organised bus services at present.
- 2. Bus augmentation alone will not be able to cater to the increased public transit load. The strategy for Public Transport improvement hence will be:
 - Introduction of an organised bus transport immediately.
 - Higher Order Mass Transit System in the future

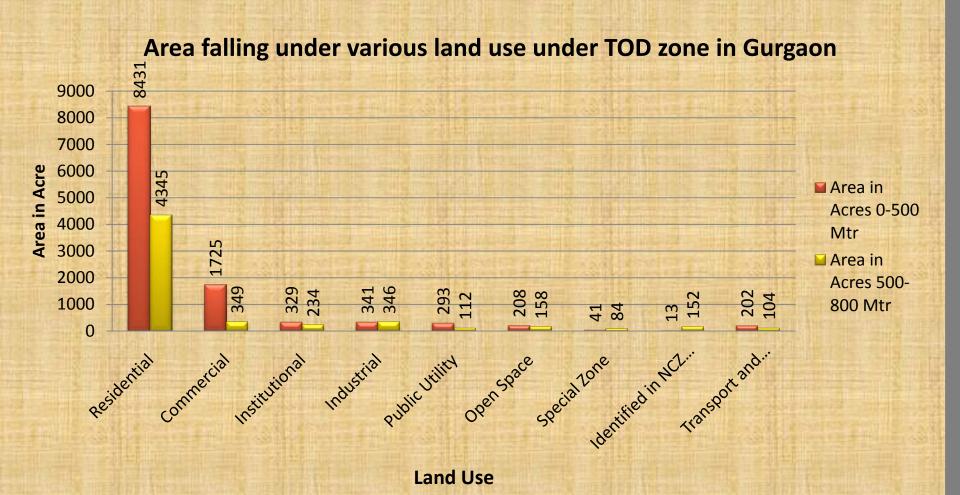


Corridor Level Plan For Southern Periphery Road (SPR)

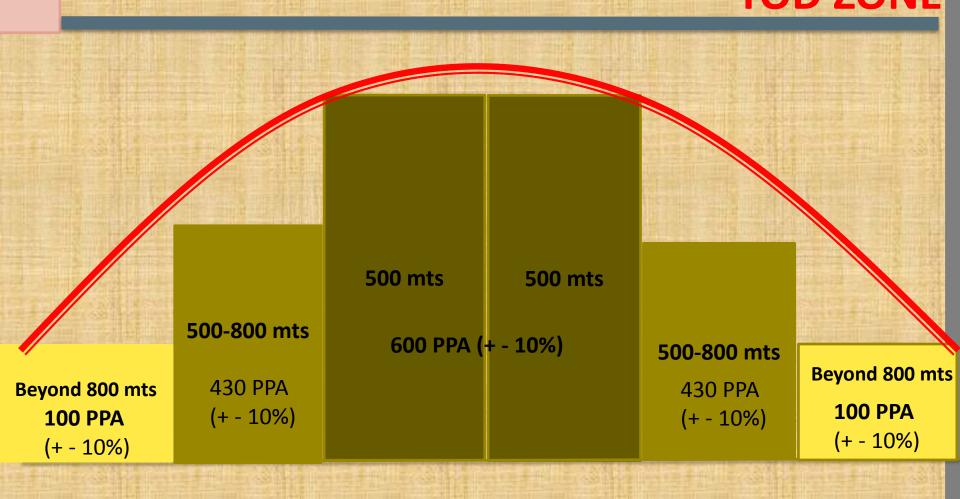




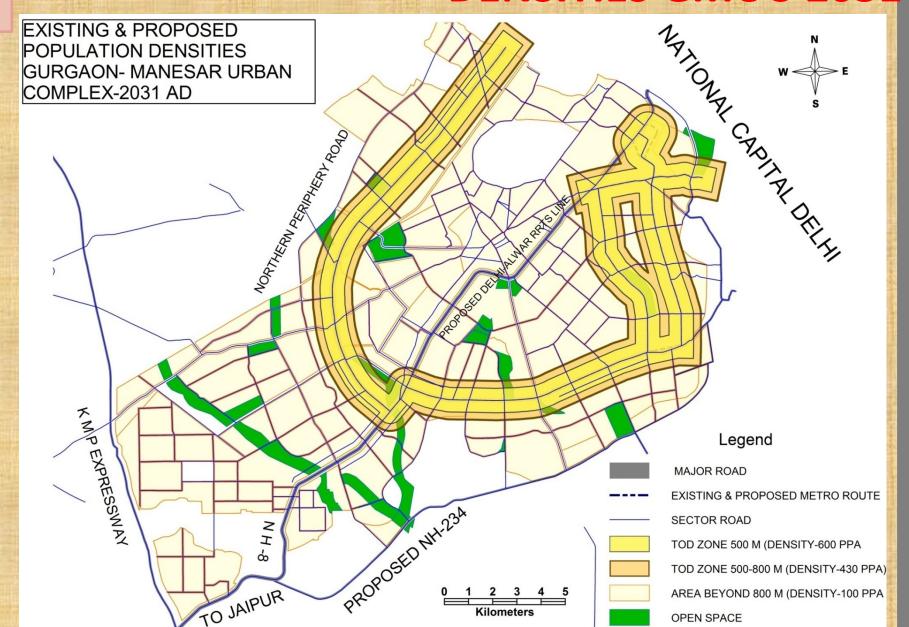
AREA UNDER TOD ZONE IN GURGAON



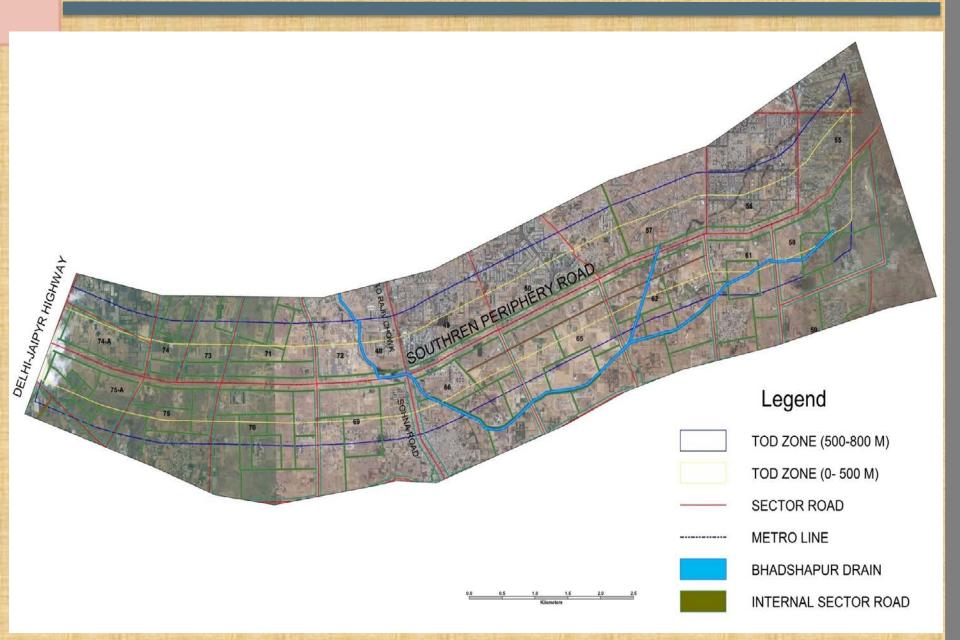
PROPOSED POPULATION DENSITIES AS PER TOD ZONE



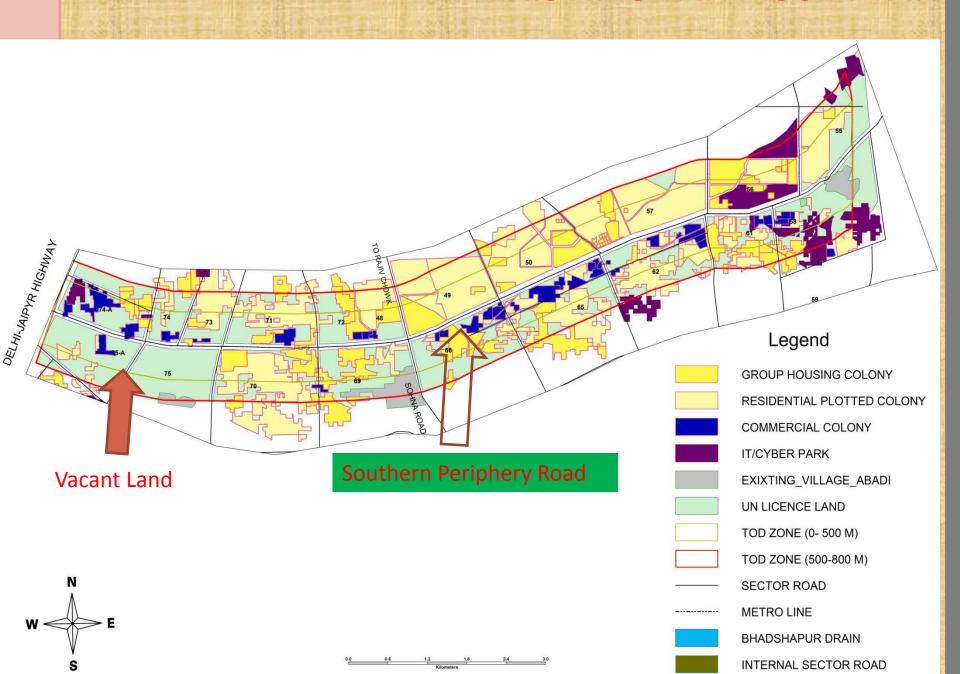
EXISTING AND PROPOSED POPULATION DENSITIES GMUC-2031



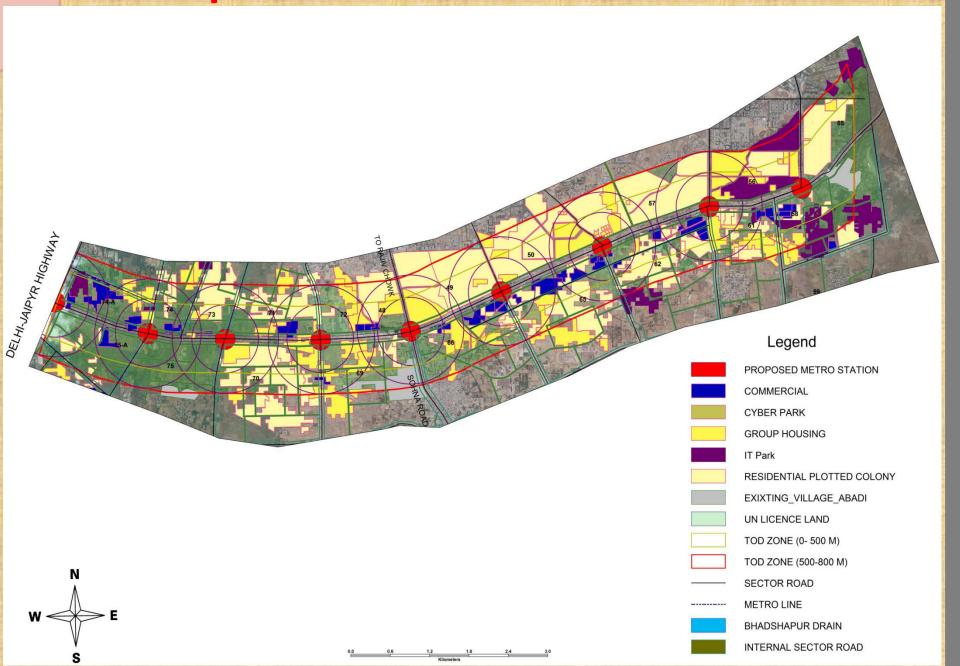
SOUTHERN PERIPHERY ROAD-TOD CORRIDOR



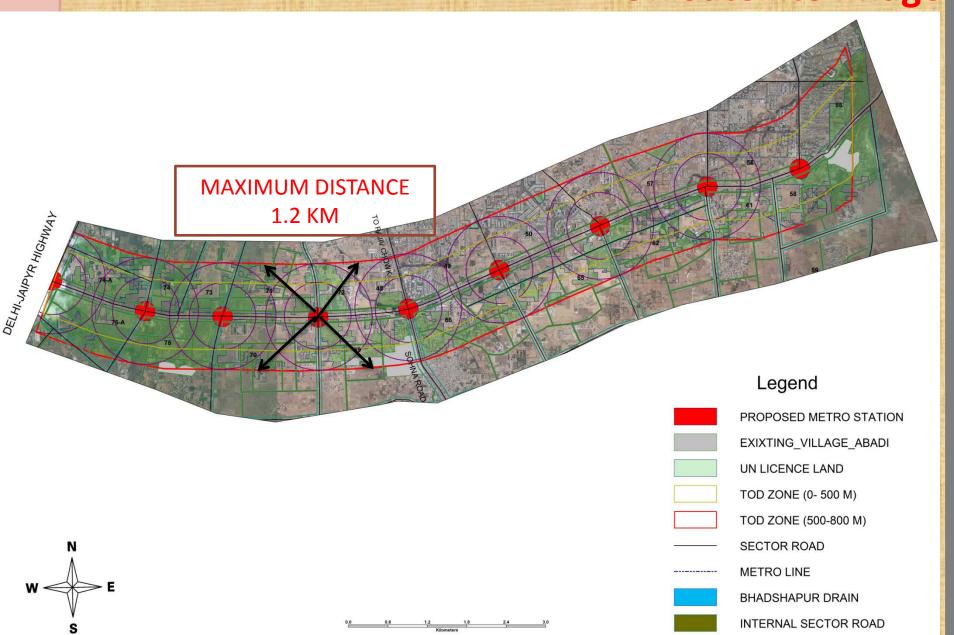
EXISTING LAND USE PLAN



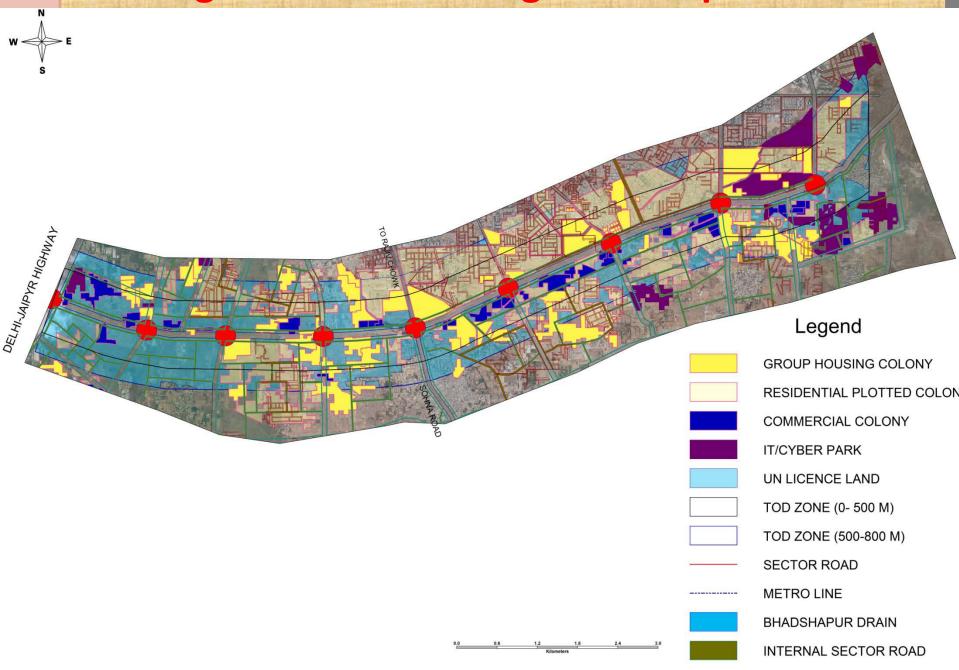
Proposed Metro Station on SPR Corridor



Proposed Metro Station on SPR Corridor On Satellite Image

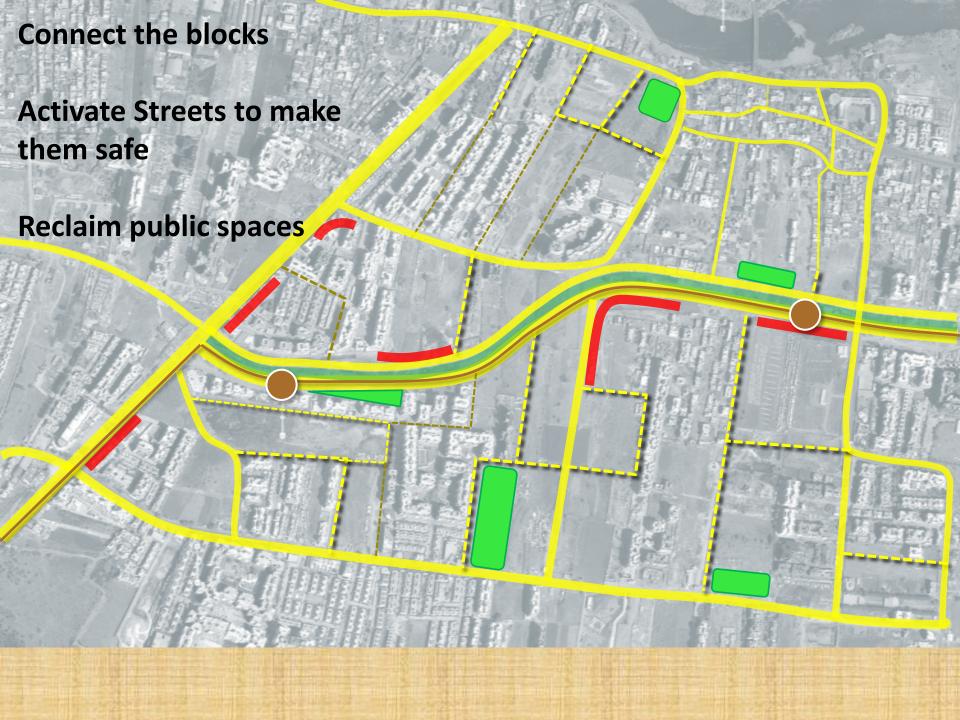


Existing RD network along with Proposed station



PROPOSED ROAD TO INCREASE THE ACCESSIBILTY















DUMBO, Brooklyn

Before: Community leaders requested more open space for a burgeoning residential and commercial district. After: DOT reclaimed road space to create a new public plaza.





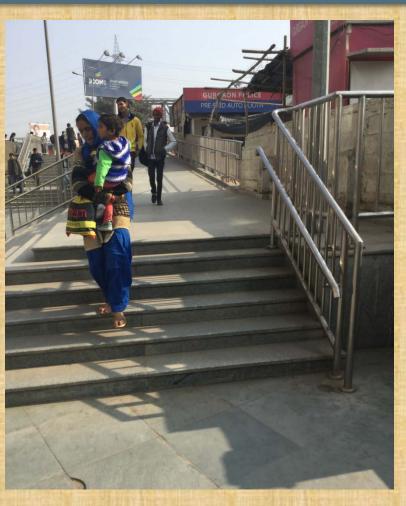
Reclaim Public Space!

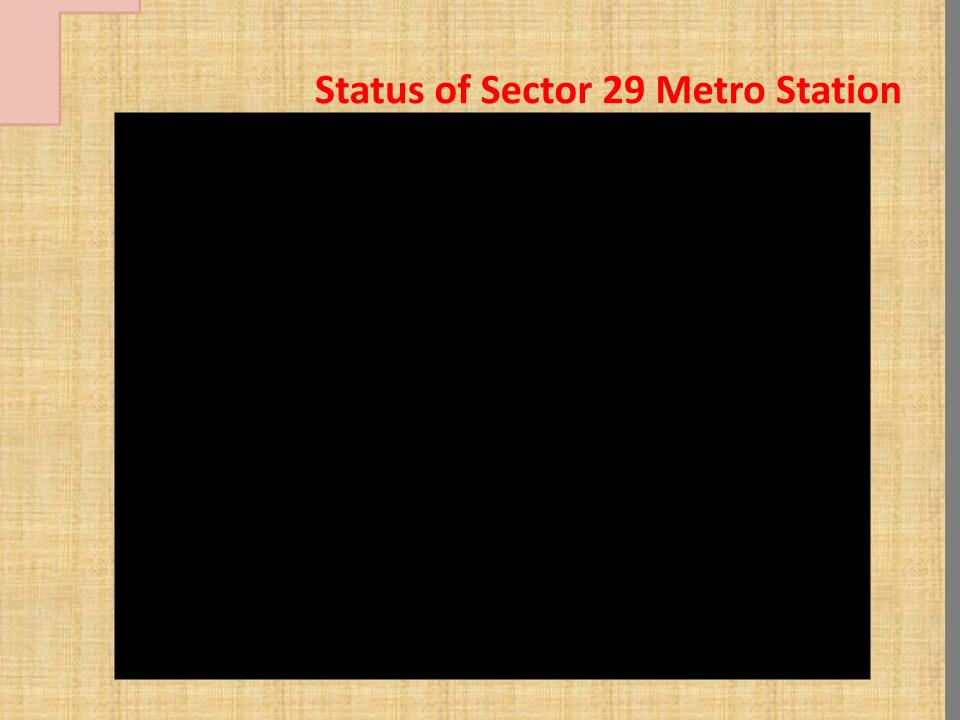
PRIMARY SURVEY OF EXISTING CONDITION OF METRO STATION-29 SECTOR



PRIMARY SURVEY OF EXISTING CONDITION OF METRO STATION-SECTOR29

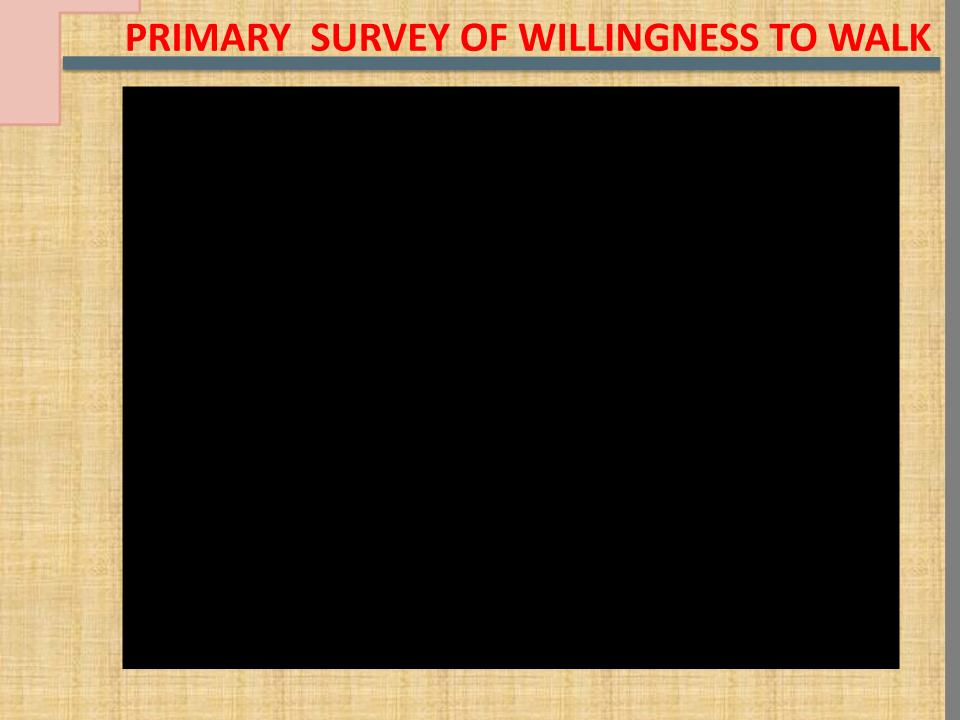






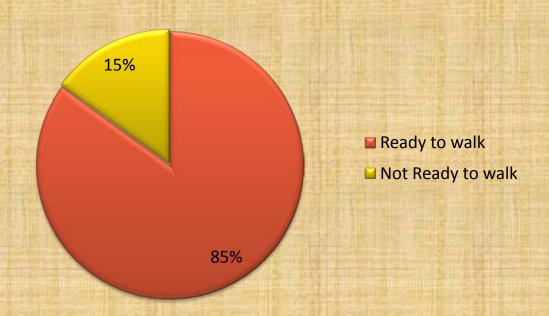
Status of Sector 29 Metro Station





PRIMARY SURVEY OF WILLINGNESS TO WALK 800 M

Willingness of Local people to Walk 800 M



TOD Consultation with Town Planners and Real Estate Developers



Inaugural Session of workshop

Workshop held with
Town Planners and
Real Estate Developers
and other experts at
Gurgoan on 19th
November 2016



RECOMMENDATIONS

Multi Modal Transport Integration

Haryana TOD policy does not provide integration of multi modal transportation.

Recommendations

Coordination of local transit service schedule and routes

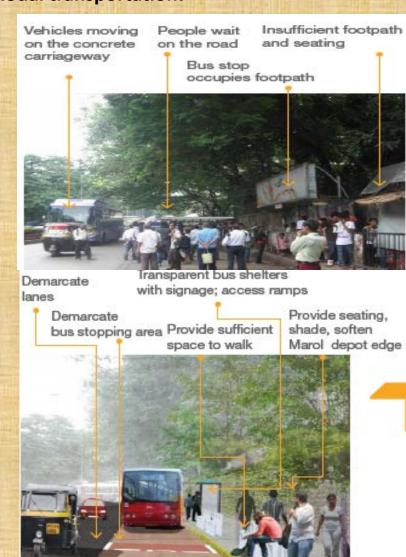
Provision of clearly marked, visible & protected access for pedestrians and cyclist at station areas.

Provision of multiple mode options for all sections of society with safety and affordability.

Wherever lack of adequate multiple mode options, need to create new networks and facilities for various NMT and IPT modes.

All public transport and IPT modes should be available within accessible distance of homes/ offices etc.

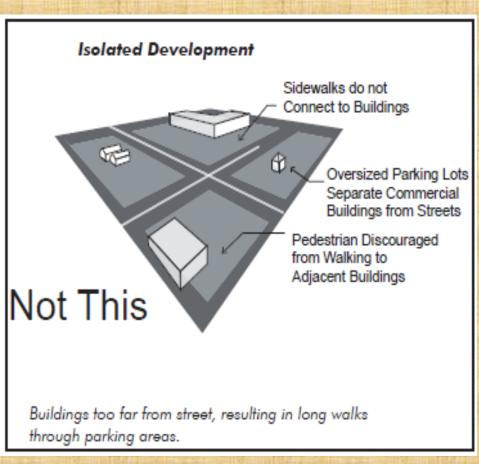
Routes should be direct and accessible to wheelchairs, strollers, scooters and other mobility aids.



RECOMMENDATIONS

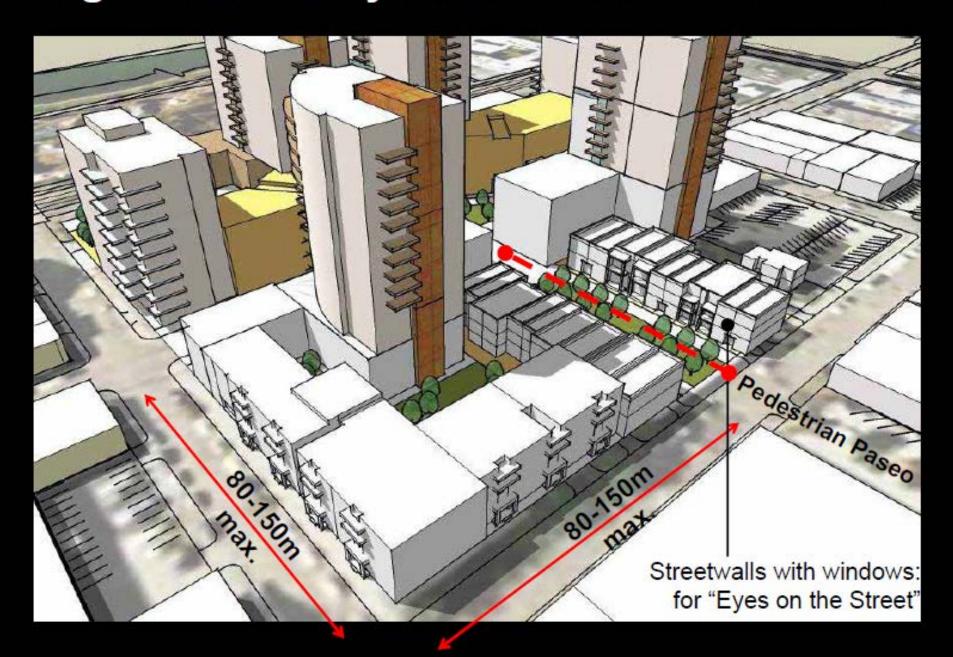
Compact Development

Extent of TOD neighborhoods is based on a comfortable walking distance from edge to centre.





High Connectivity: Smaller block-widths - greater permeability



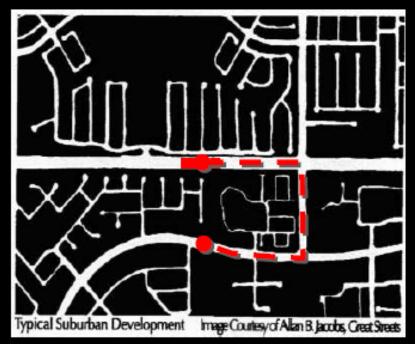
High Connectivity: Should be FASTER TO WALK, than to drive.



Typical Delhi Housing Block



Vancouver Block: e.g. 80 x 125 M



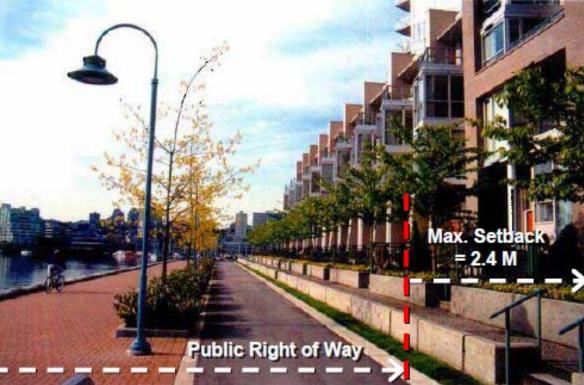
Network of Connected Streets

Image Courtesy of Alan B. Jacobs, Creat Streets

Minimized Setbacks and Front entries opening on to the street

Help create Safety through "eyes on the street"









Commercial Streets are designed with ZERO Setbacks To create Safety & Comfort for Pedestrians:



PROPOSED view of Commercial Street WITH ZERO SETBACKS:

With: Built-to-edge buildings, Wide sidewalks, "eyes on the street"

= SAFE STREETS

AMENDMENT IN THE TOD POLICY AFTER THE PROJECT

Date	Amendment in the policy
05.09.2014	Draft policy notified
09.02.2016	TOD Policy finalized along with Corridors
16.11.2016	Clarification regarding fee and charges
11.04.2017	 Area norms relaxed from 10 Acres to 4 acres for Group housing and 2 acres for commercial to reduce the building blocks size to provide the high and faster connectivity to faster the walk Mix land use (70 % resi and 30% comm) allowed on the institutional zone
13.06.2017	The parking sizes were defined – 1 ECS 23 sq m open , 28 sq m stilt and 32 sqm for basement
17.07.2017 and 10.10.2017	Procedure for grant of licence- and existing licencee will submit the detailed technical proposal including conceptual plans/schematic design with respect to utilization of the proposed enhanced FAR clearly highlighting in the conceptual scheme with the help of overall blocking / massing to establish and confirm the feasibility of absorption of enhanced FAR were examined and shall be decided .

GURUGRAM METROPOLITAN DEVELOPMENT AUTHORITY (GMDA)

The Haryana cabinet had approved the GMDA Ordinance, 2017 June 1 and Gurugram Metropolitan Area was notified on August 14 and Further GMDA Bill was approved by assembly in the special session on 24th October 2017 under section 21. of the GMDA Ordinance provisions have been made for mobility management plan which are as under:

(1) The Chief Executive Officer shall, in consultation with the Commissioner of Police, Gurugram, Commissioner of the Municipal Corporation, Gurugram, Deputy Commissioner, Gurugram and after such other consultations as the Chief Executive Officer deems fit, prepare from time to time, a mobility management plan for managing mobility in the notified Area.

The mobility management plan shall include -

- a) measures for infrastructure development, including improvement of road junctions, construction of roads, bridges, pedestrian footpaths, subways and any other such construction or improvement, as the case may be;
- (b) measures for infrastructure development aimed at enhancing safety of life and prevention of accidents on public roads;
- (c) measures in regard to public transportation, mass transportation, integrated multi-modal transportation, bus shelters, parking and their improvement;
- (d) measures to regulate parking, traffic, including through installation of traffic signals, and the transit of vehicles, including its speed, form, construction, weight or size or laden with such heavy or unwieldy objects as may be likely to cause injury;

- (e) measures to regulate access to premises from any particular public street carrying high speed vehicular traffic;
- (f) such other measures, as in the opinion of the Chief Executive Officer, the Commissioner of Police, Gurugram, and the Commissioner of the Municipal Corporation, Gurugram, as may be required and subject to any other law for the time being in force for managing mobility in the notified Area. (3) The mobility management plan shall be submitted to the Residents Advisory Council and the Council shall make such recommendations, if any, as it may decide.
- 4)The mobility management plan shall be submitted to the Authority along with the recommendations, if any, of the Residents Advisory Council; and the Authority shall approve the plan with such amendments or modifications, if any, as it deems fit.

- (5) The Chief Executive Officer shall cause the mobility management plan, along with such amendments or modifications as the Authority may direct, to be published on the website of the Authority, immediately as soon as may be practicable, on approval of the plan.
- (6) The Commissioner of Police, Gururgam, the Commissioner of Municipal Corporation, Gururgam or such other officer as may be empowered under the law for the purpose, shall be responsible for enforcement of the measures in regard to clauses (d) to (f) of subsection (2) requiring the imposition of any penalty for violation of such law for the time being in force.
- (7) The exercise of powers by the Commissioner of the Municipal Corporation, Gurugram under section 221 of the Haryana Municipal Corporation Act, 1994, shall be in accordance with themobility management plan.

