

CAPITAL REGION DEVELOPEMENT PROGRAMME- II

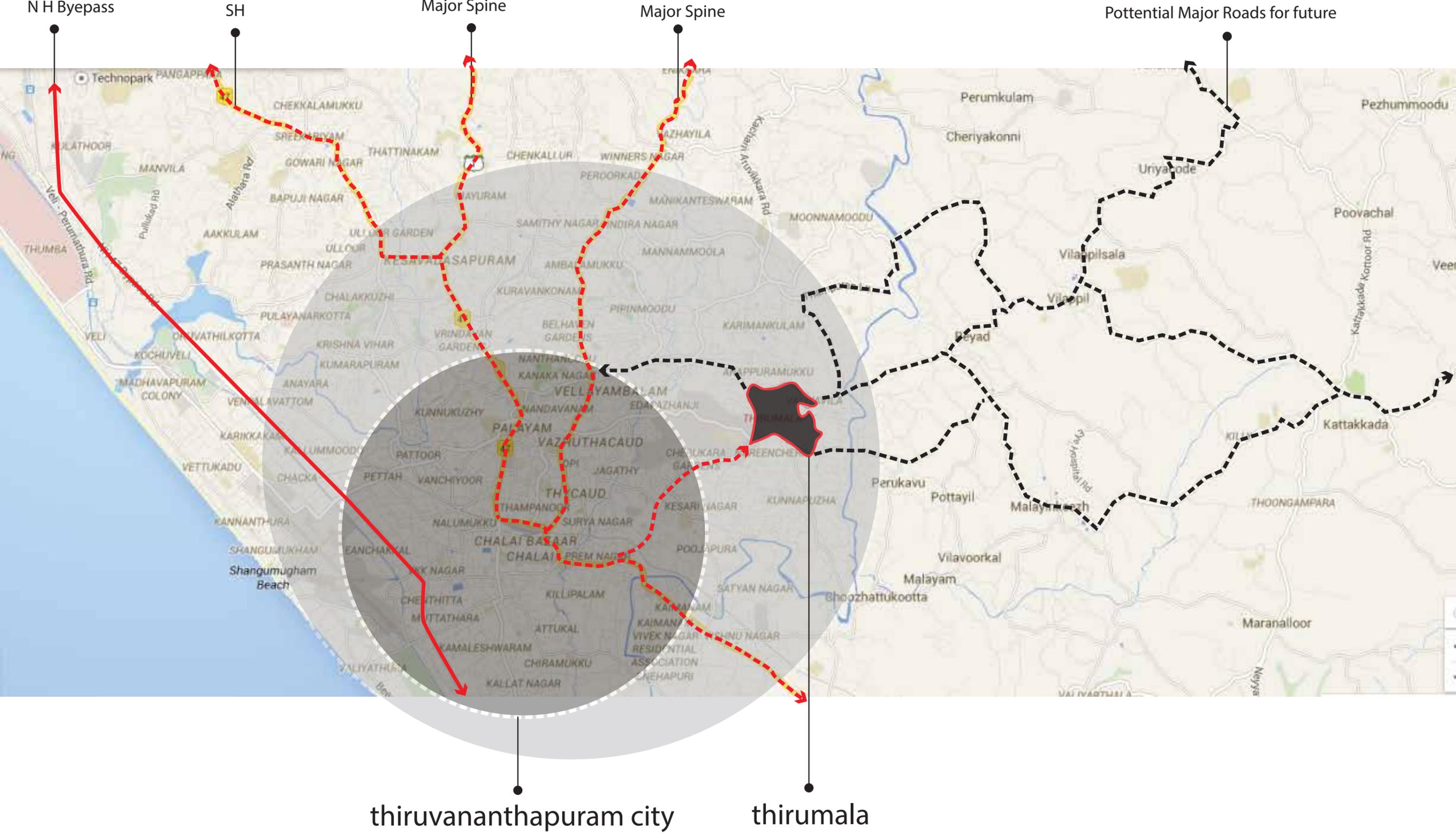
Sustainable improvement of urban environment of the Capital Region and to take care of the future requirement of the Capital City”

To kick start the next stage of development cycle in the capital region comprising historic city of Thiruvanthapuram and its fast growing suburbs, Government of Kerala has launched an ambitious Program under Capital Region Development Program –II (CRDP –II).

The Program aims to find sustainable solution to the infrastructure constraints affecting the daily lives of people in the city and its suburbs and usher in a new paradigm of inclusive, equitable and sustainable development cycle.

The major initiatives planned under the program include developing pedestrian infrastructure, remodeling of busy traffic junctions, retrofitting of old market areas, developing public parking facilities, sustaining and improving the greenery of city landscapes

Thirumala - Location, Connectivity



Thirumala - Context

Thirumala Junction is one of the most important Junction to the entry route to city of Thiruvanthapuram from the fast growing suburbs in Maruthamkuzhy, Peyad and Mangattukadavu. The junction has evolved into a mini commercial hub catering to the daily shopping needs of the people from these suburbs. The junction also serves as the closest commercial hub to the Army cantonment in Pangode which is the most cosmopolitan cluster located close to the junction.

The fast paced growth witnessed over the last two decades in the suburban areas around the Junction has also thrown up its own challenges in the capacity of the existing infrastructure.

A unique opportunity has been presented under the Capital Region Development Program-II (CRDP-II) for the people of Thirumala to demonstrate their progressive and pragmatic development initiatives and show case a path breaking model for sustainable and inclusive junction redevelopment.

An integrated redevelopment plan has been conceived to develop Thirumala Junction as one of the most livable, socially and commercially vibrant community hub in the capital region. The plan envisages an inclusive approach to offer something for everyone whose lives are connected to Thirumala Junction.



Thirumala - Present Issues

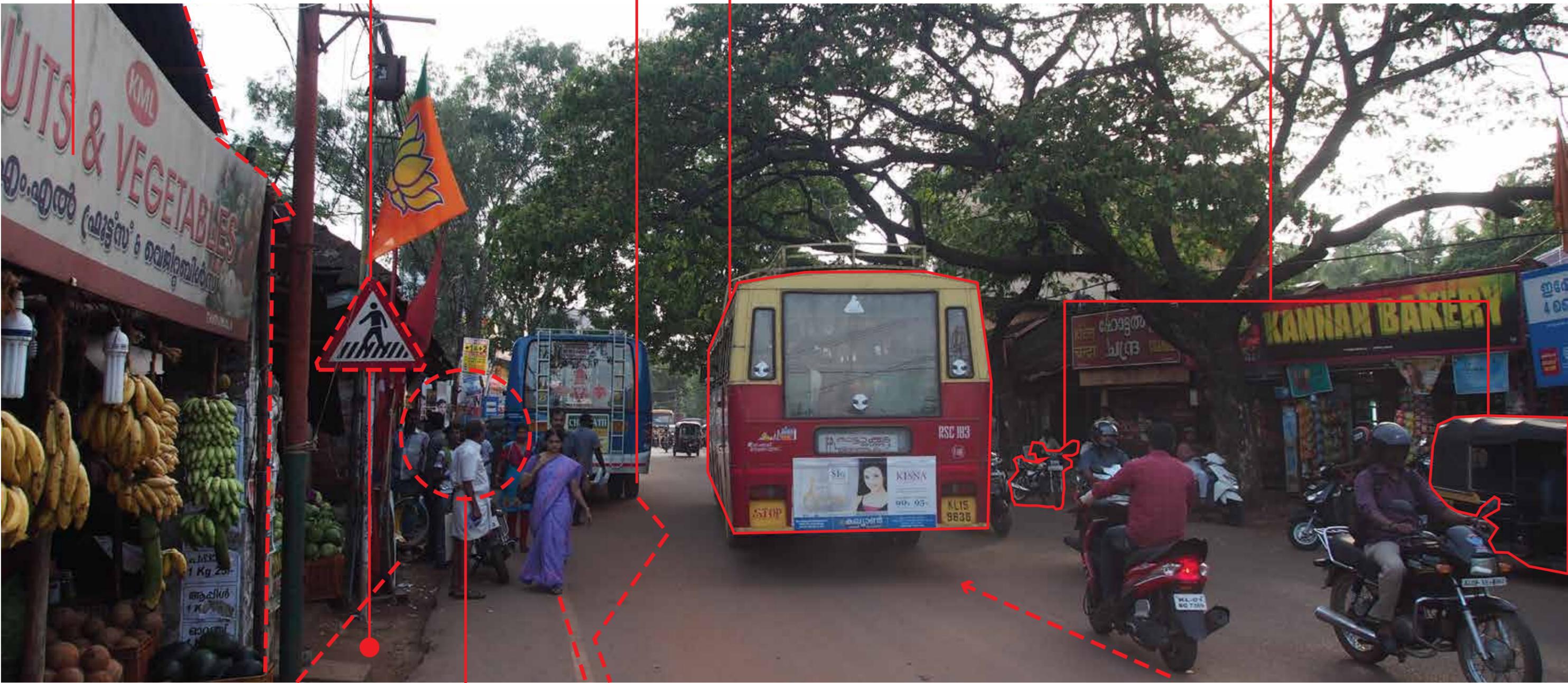
Shops opens directly to the main road

No safe footpath

No bus bays

Current bus stops produce dangerous overtakings & queuing of vehicles

Street parking, right at the junction eating up the public space



No bus shelter

Thirumala - Present Issues

Motorists - Road conflict



Motorists - Parking



Shop Keepers



Commuters using Public transport

Thirumala - Present Issues at a glance

Stake Holders	Issues	Impact
Shop Owners	No parking space; Staggered bus stops away from Jn , Several Old Shops in bad built condition	Loosing customers to shops in other areas, Space constraints for expansion
Commuters (4 W/ 2W)	Heavy congestion and chaos in peak hours	Safety concerns, Lack of parking space loss of time, fuel etc.
Pedestrians/Bus commuters	Staggered bus stops, long walk to shops, no safe cross overs	Safety concerns, Physical difficulty for elders
Land Owners	No proper access, narrow lanes	Lower than possible land value
Community	No public amenities, Lack of open space, Polluted environment ,	Activities spill over to streets, Spaces convert to dumpyards, No public activities



PROPOSAL

Thirumala - Project scope

Pedestrian & Commuter Convenience

Pedestrian circulation connecting shopping zone, bus bays, parking zones, markets, without any conflict with traffic

Multilevel Parking space to accommodate all kinds of vehicles, which is connected to all transit intersections, markets, shopping spaces

Integrated Bus bays connecting each other and to rest of thirumala

Safe & congestion free Traffic

Signal Free Junction

seperate disconnected bus bays to avoid dangerous overtaking situations

2 Lane 2 Way underpass for vehicles To & from Valiyavila-Pangode/TVM city

Ground level road way for Mangattukadavu route

Commercial & residential Zone

well connected shopping tower to the public domain

Shopping tower

100% R&R of affected shops

Residential Tower

To help unlock land value for land owners

Social infrastructure with public square, market square and other amenities

Thirumala - Junction Improvement scheme - Strategies

Busy traffic junctions with high commercial activities to be remodeled

Road Widening or Grade separators for signal free traffic

Integrated bus bays with commuter convenience

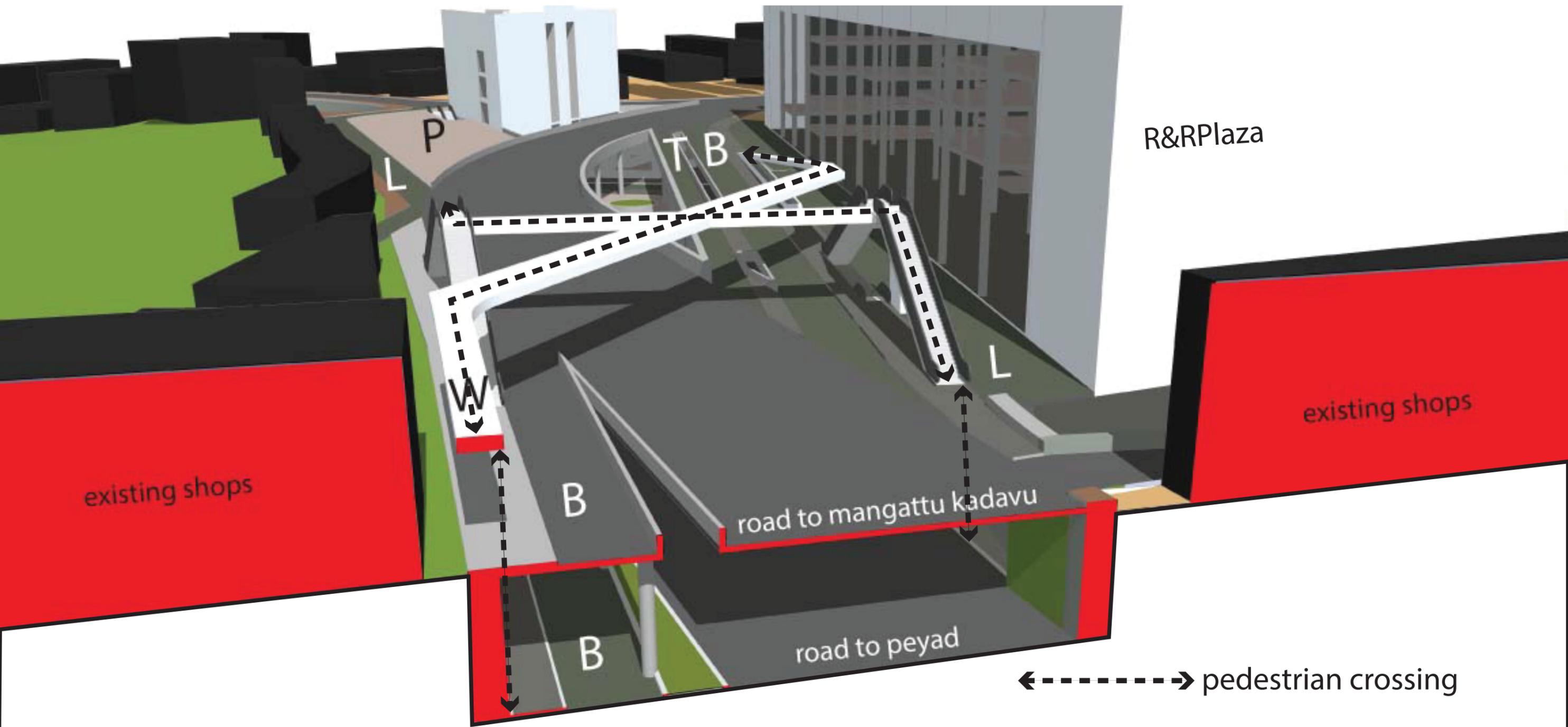
Multilevel Parking facility for 4/3/2 wheelers strategies

-  vehicular movement
-  vehicular connections
-  pedestrian connections

- B** Bus stops
- A** Auto rikshaw stand
- T** Taxi stands
- M** Market (Existing)
- S** Square
-  Commercial
-  Residential



Thirumala - Schematic section





PROJECT FEATURES



Dedicated bus bays interconnected through over bridge

towards magattukadavu - valiyavila



from peyad



from magattukadavu - valiyavila



Foot over bridges with escalators and ramps to cross the road safely.

Connects the bus bays in the underpass and also at the road level.

urban square connecting city via footpaths on both sides

Pedestrian safety infrastructure

Facilities for vehicles

2-Lane traffic in all directions



Parking facilities for 300 cars approx



Improved junction with public square

Parking facilities for autorikshaws and taxis

Squares on top and below for public gathering

Public amenities

Thirumala - How to make it Possible ?

Advantages:

Minimum land acquisition from built areas and lesser number of PAPs (compared to 24m wide widening)

Rehabilitation of ALL affected shops made at the Junction itself and close to integrated bus stops and parking areas which is expected to benefit the shops.

Public spaces and squares created for public gatherings/recreation.

More green spaces and shade areas developed integrating with the development plan..

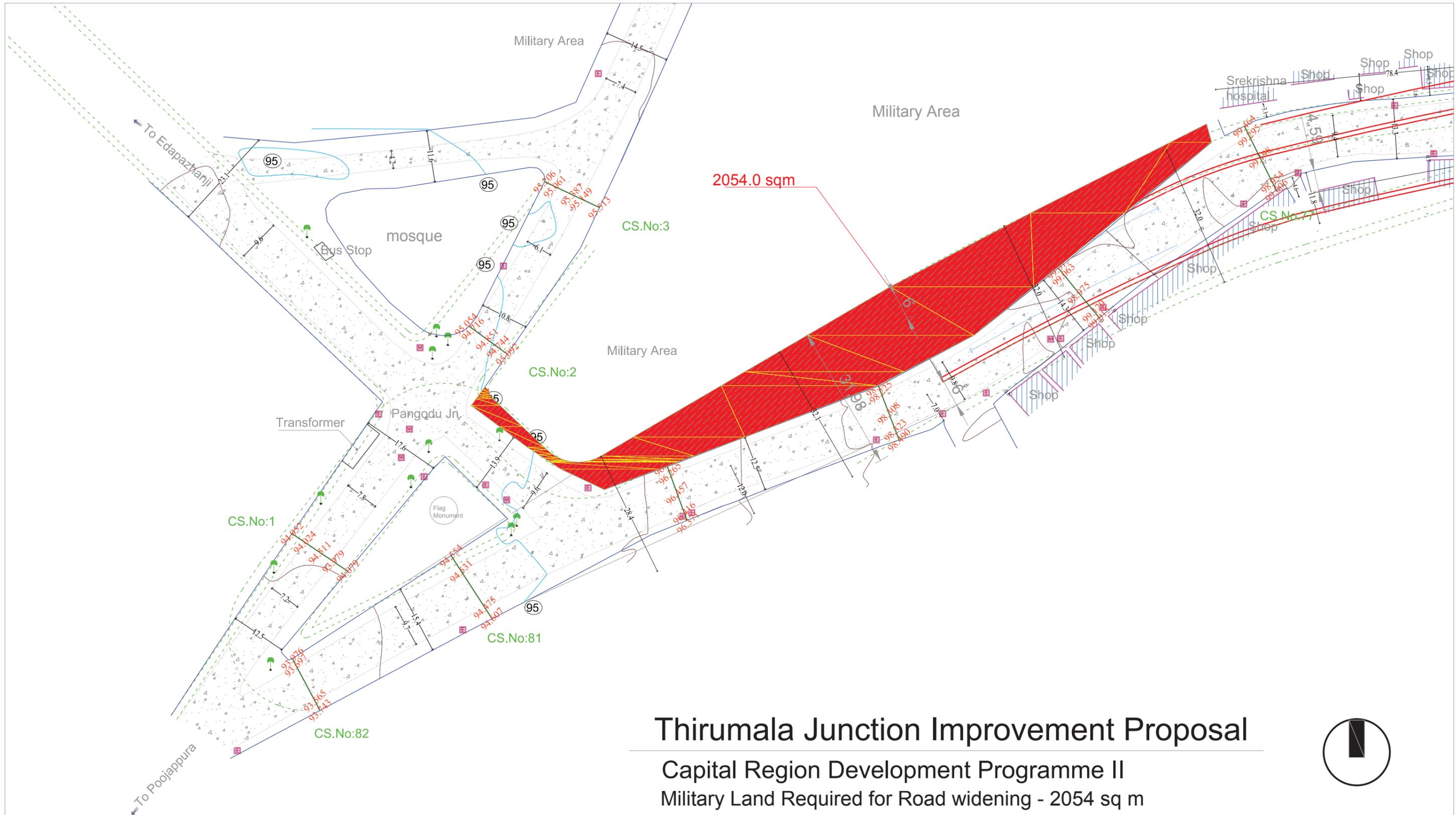
Benefits :

A congestion free junction layout with world class infrastructure which would cater to the traffic and growth of next 30 years min.

Potential to Attract more facilities to the area like multiplex, gymnasiums, & even BPOs

Public square to serve as a unique window for amateur artists/professionals

Thirumala - Military Land Required road



Thirumala Junction Improvement Proposal

Capital Region Development Programme II

Military Land Required for Road widening - 2054 sq m

