

Traffic Plan Udaipur-2020 at a Glance



**District Administration,
Urban Improvement Trust,
Municipal Corporation & Udaipur
Smart City Limited, Udaipur**



माननीय मुख्यमंत्री महोदय, राजस्थान सरकार द्वारा राज्य परिवर्तित
बजट घोषणा 2019–20 (बिन्दु सं. 92.0.0)

“उदयपुर शहर की ट्रेफिक समस्या के समाधान हेतु एक समग्र DPR बनाकर
इस वित्तीय वर्ष में 50.00 करोड़ के कार्य प्रारम्भ करवाये जायेंग”



1.0 Preamble

Udaipur city is considered as one of the oldest cities in India. Udaipur was constituted as a municipality in 1922 by the Mewar dynasty. In April 2013, it got the status of Municipal Corporation. Famous not only for its beautiful lakes and gardens, but it also prides on having one of the most beautiful and largest palace complexes in the state along with several other historic monuments in and around the city. A city once known for its rich history of warriors, and a flamboyant cultural heritage is now famous internationally as one of the most beautiful cities in the world and attracts more than a million tourists annually from across the globe¹.

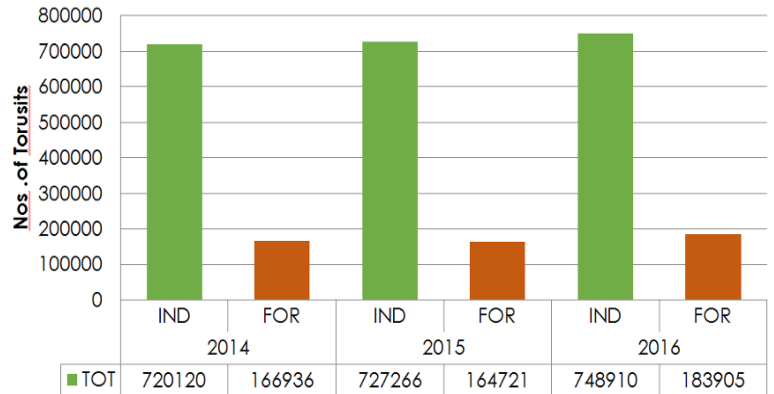


Figure 1 Number of Tourists in Udaipur on yearly basis, Domestic & International (Source- RTDC, Udaipur)

Udaipur, being the beautiful amalgamation of rich heritage legacy and the new developments, brings an interesting mix of local and tourist population sharing the limited, common spaces as offered by the city. The city, which not so long ago was reeling itself under the glory of its rich past is now facing the harsh realities of crumbling infrastructure and serious traffic and transport problems. Roads in the city are severely impacted by frequent traffic congestions and experience substantial traffic throughout the day. The traffic problems escalate in peak tourist season (from Oct- Dec), as with no effective traffic management in place it becomes nightmarish for motorists and pedestrians to traverse through the city. Since the trips of modes shown in figure 2 are based on Year 2014 (LCMP). It has been substantially increased in the last 5 years by 25%.

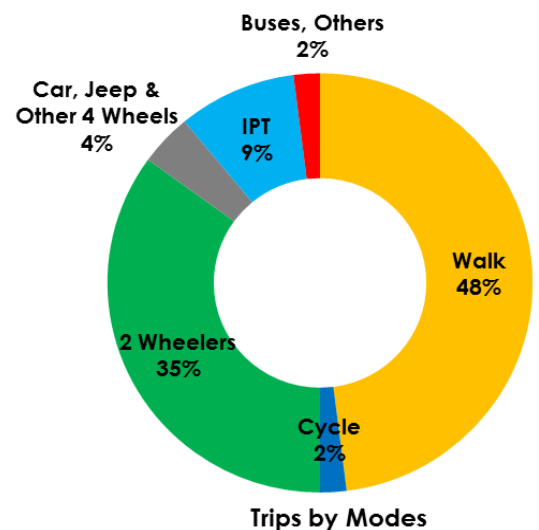


Figure 2 Trips by Modes, (Source- LCMP, Udaipur, 2014)

As per the latest data on mobility for the city, around 50% of trips are taken by foot and cycle. Despite the reliance on Non- Motorised Transport (NMT) modes, the city areas experience traffic pressure, congestion and clogging of streets on regular basis. In absence of any pedestrian or bicycle infrastructure, it is always a

¹ Rajasthan Tourism Department Corporation (RTDC), Surajpole, Udaipur

constant struggle between motorists and pedestrians to use the limited RoW, which more often than not results in conflict between these two road users.

2.0 Proposed Intervention in TAP 2020

As part of Traffic Action Plan 2020, number of initiatives are planned for improving the traffic situation in the city. The key intervention, of highest priority, are as below:

1. Parking Complexes – Mechanical and Civil both
2. Intersection improvements
3. Road widening
4. Elevated Roads & Flyovers
5. Removal of Bottle-Necks from Right of Way (RoW) of roads.

District Collector, Udaipur has appointed Committee to prepare Comprehensive Traffic and Transport Study & Formulation of Traffic Management Plan (TMP) for the Udaipur Urban Area having following members :-

1. Additional Chief Engineer, Udaipur Smart City Ltd., Udaipur.
2. Superintending Engineer, Municipal Corporation, Udaipur.
3. Superintending Engineer, Urban Improvement Trust, Udaipur.
4. Regional Transport Officer, Udaipur.
5. Deputy Superintendent of Police (Traffic), Udaipur.
6. Technical Advisor, Urban Improvement Trust, Udaipur.

After detailed discussion with stakeholders, prominent citizens of Udaipur and various line departments (Implementing Agencies related to Traffic) have finalized the Traffic Management Plan for Udaipur Urban Area and A city-wide analysis of various interventions are proposed to be implemented in the period of two (2) years are as follows:-

2.1 Delhi Gate

Delhi Gate is the busiest junction from traffic intensity point of view in Udaipur City and high traffic congestion remains always in this area. Udaipur Smart City Limited has prepared General Alignment Drawing (GAD) of Flyover to ensure the traffic situation at Delhi Gate. In this proposed GAD, an Underpass of 7 meter has been proposed between Bapu Bazaar and Shakti Nagar road by raising the road surface of both lanes (7.5 meter width of each lane) towards the Delhi Gate starting from Town Hall link road. After this, the road leading up to Delhi Gate will have two-lane road (7.5 meter) and will go up to Delhi Gate Junction, then from Delhi Gate Junction one-lane (5.5 meter) will go to Ashwini Bazaar and another one lane (5.5 meter) will go towards Court Chouraha (Collectorate). This elevated road will be constructed on single pillar. The proposal has been prepared by Udaipur Smart City Limited and this project of Flyover has also been shared with Mayor, Municipal

Corporation and all committee members of Traffic Management Plan and Ayad River Smart Front Development and Beautification Project.

It is worthwhile to mention here that Hon'ble High Court of judicature for Rajasthan at Jodhpur in Writ Petition D.B. Civil Writ No. 6801/2018 dated 12.12.2018 has ordered the followings which is reproduced as below :-

1. In application no. 02/2018 NHAI has informed that estimated cost to carry out the necessary exercise and submit a report by CRRRI was Rs. 30,24,930/-, and that on account of high cost of acquisition of land, a decision has been taken to withdraw the advertisement inviting technical bids from eligible parties, but without disclosing whether the proposed Elevated Road Project is withdrawn. It is pleaded that NHAI shall not continue with present Project without seeking prior approval of this court.
2. Under the circumstances the writ petition is disposed of binding NHAI to the stand taken by it is in Misc. Application no. 02/2018.
3. Should in future NHAI desire to revive the Project, as it is or with modification, in terms of the pleading of NHAI, prior approval from this Court would be taken.
4. We clarify if UIT, Udaipur intends to the construct elevated road, even it would seek prior approval from this Court.

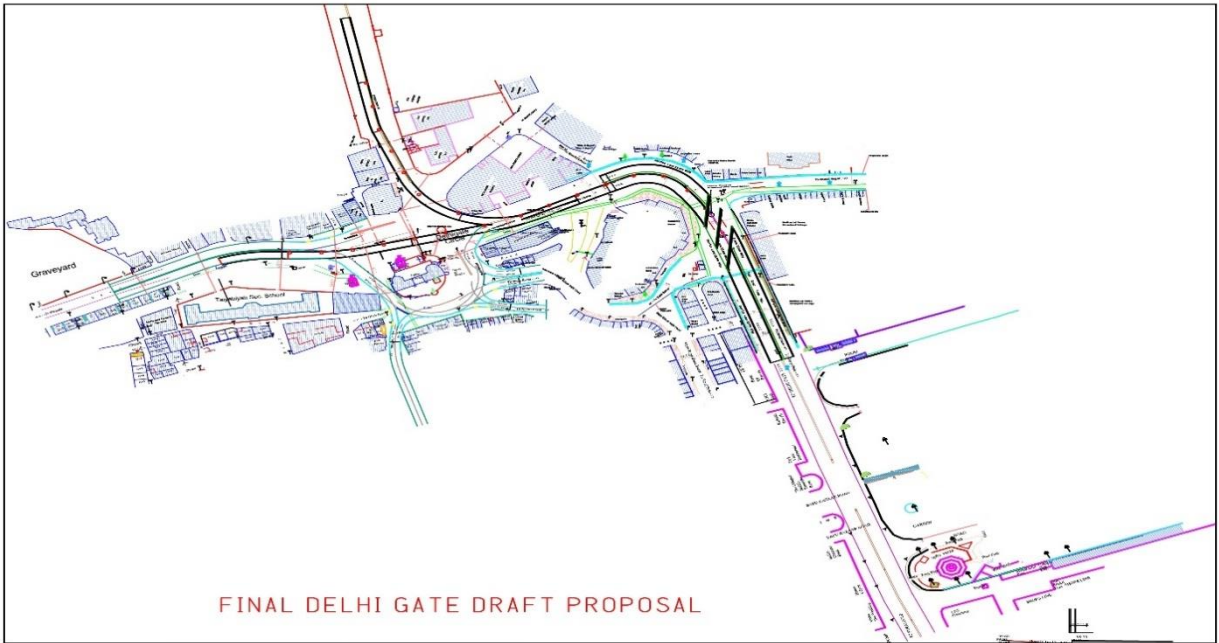
Keeping in view the above orders of Hon'ble High Court of judicature for Rajasthan at Jodhpur the work of Flyover at Delhi Gate will be taken up only after seeking prior approval from the Hon'ble High Court of Jodhpur.



The Existing intersection design and traffic situation at Delhi gate



Proposed Flyover



The details of the proposed project are as below:

Length	750 meters
Width	7.50 meter
Technical Features	Flyover with Single Pillar
Estimated Cost	Rs. 25 Cr.

2.2 Kumharon Ka Bhatta



Existing traffic situation at Kumharon Ka Bhatta

Udaipur Smart City Limited and Udaipur Municipal Corporation has conducted a detailed traffic survey at Kumharon ka Bhatta. The proposed project is found to be technically feasible for construction of Flyover. Previously Municipal Corporation prepared estimate of flyover in year 2013 and same is being under revision now, along with structural drawings/designs are also being under revision due to Flyover on Single pillar.



Proposed Flyover

The details of the proposed project are as below:

Length	600 meters
Width	12 meter
Technical Features	Flyover with Single pillar
Estimated Cost	Rs. 20 Cr.

2.3 Sukhadia Memorial Junction (Durga Nursery Junction):

The detailed Survey of main road of Ashok Nagar has been done by Udaipur Municipal Corporation. From Shakti Nagar Junction, ahead to the Sukhadia memorial junction, the divider is not in the middle of the road. The road width on the left is less as compared to right side. The main reason for this the main drain (nallah) is coming from Shakti Nagar is above the level of the existing road on right side.

The following works have been proposed:

- 1- Work of main drain (nallah) to be constructed at the level of road.
- 2- Widening of existing road.
- 3- Shifting the divider in the middle of the road.



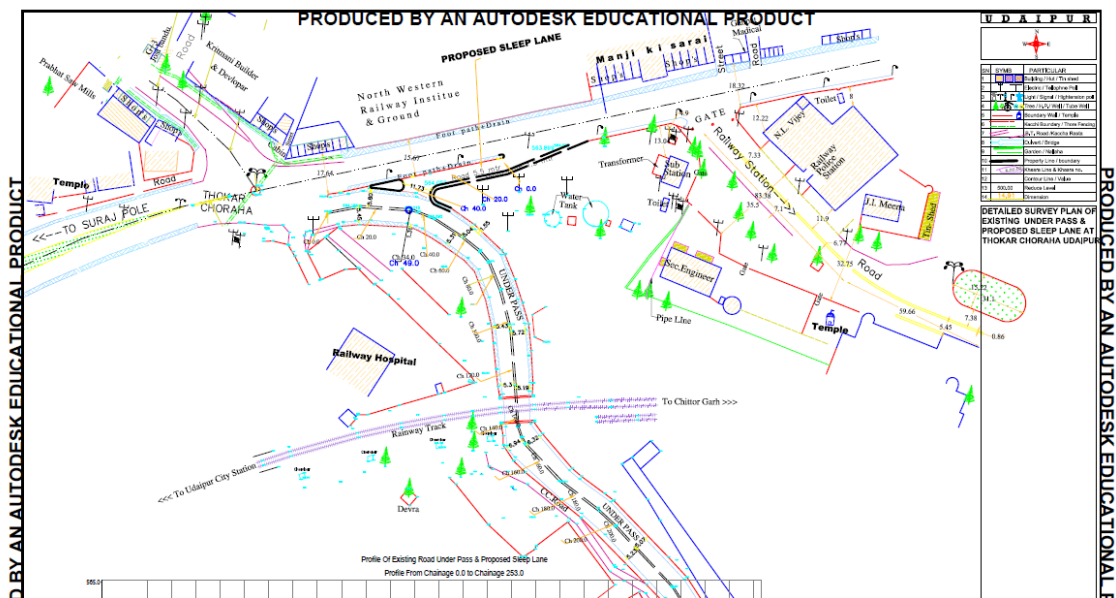
Existing view of main road Ashok Nagar to Sukhadia Memorial Junction

2.4 Thokar Chouraha :

A Railway Under Bridge (RUB) has been constructed by Northern-Western Railway Ajmer at L.C.-76 (Thokar Chouraha Uadipur) on cost sharing basis between UIT and Northern-Western Railway equally and RUB is functioning. Presently two wheelers and four wheelers (LMV) coming from Pratap Nagar side and going to Kanpur Madri Industrial area creating Traffic congestion at the entry point of RUB i.e. Thokar Chouraha Junction. To resolve the problem at this junction DRM, Northern-Western Railway Ajmer has been requested to provide a slip lane in Railway boundary to avoid traffic congestion at this point. A meeting in this regard was held with Railway authorities on 14.01.2020. and matter is in under consideration with Northern-Western Railway, Ajmer.



Existing view of Thokar Chouraha Junction & RUB



Typical drawing showing Slip lane in Railway boundary at Thokar Chouraha RUB.

2.5 Sevashram Chouraha

To sort out traffic congestion at Sevashram Chouraha, UIT Udaipur appointed Consultant to explore the possibility of construction of Flyover and the feasibility report for developing a flyover has been received on 21.01.2020 by the UIT, Udaipur from Consultant. As per report, flyover at Sevashram intersection is technically feasible. It is worthwhile to mention here that after completion of work of Vented Causeway at Ayad River from Subhash Nagar to Dhulkot Marg and Master Plan 60 feet road from Lakecity Mall to Subhash Nagar will also substantially increase the traffic intensity at Sevashram Chouraha in future. Consultant has also assured to submit the complete drawing and Structural design, Estimate and BoQ with Geotech Survey etc. in 45 days.



Existing view of traffic situation at Sevashram Chouraha



Proposed Flyover

The details of the proposed project are as below:

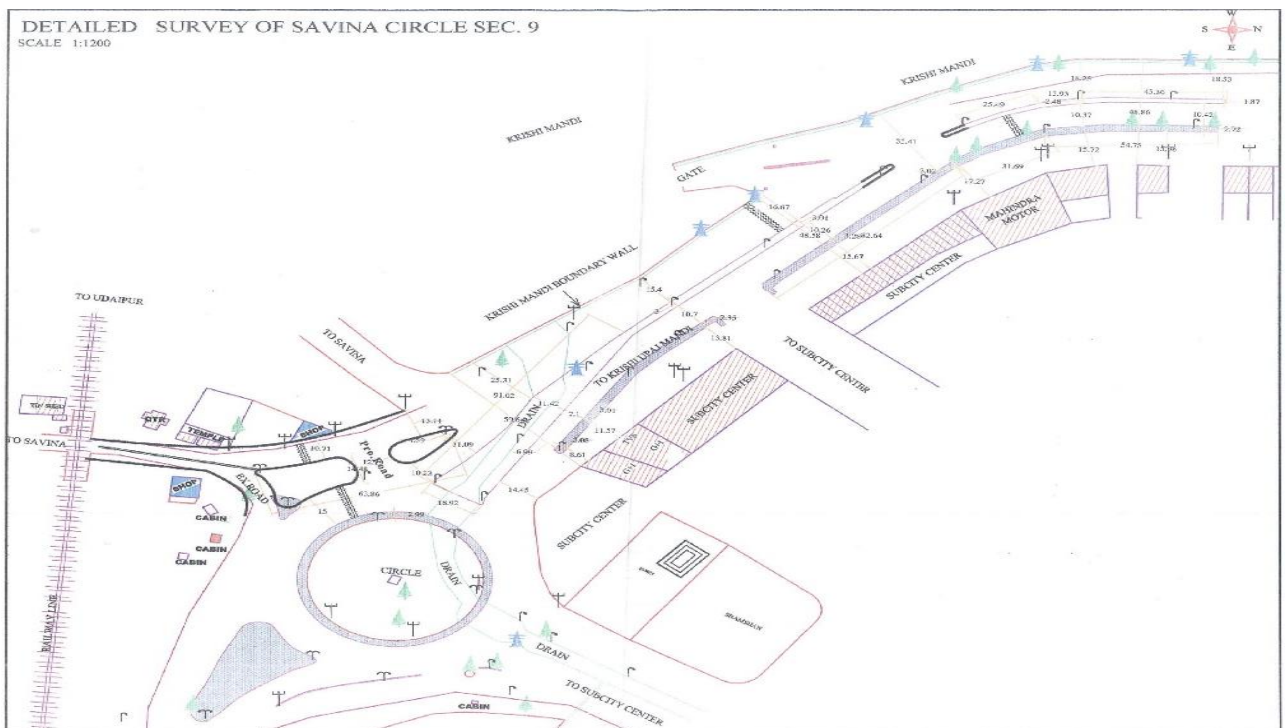
Length	400 meters
Width	12 meter
Technical Features	Flyover with Single pillar
Estimated Cost	Rs. 22 Cr.

2.6 Savina Sabji Mandi (Hada Rani Circle)

Hada Rani Circle near Savina Sabji Mandi is also an important junction having traffic congestion due to main entry & exit point for Banswara State Highway-32 road. A joint site inspection has been carried out on 10.01.2020 by the Technical Officers of Urban Improvement Trust with Deputy Superintendent of Police (Traffic) and his Traffic Team to resolve the Traffic congestion at this junction. After inspection, the island located on Hada Rani Circle has been redesigned as suggested and work of redesigned island has been started by UIT and will be completed by March-2020.



Existing traffic situation at Savina Sabji Mandi (Hada Rani Circle)



Proposed drawing showing improvement and Redesign of Hada Rani Circle at Savina.

2.7 Mechanical Parking for Bikes at various locations

The installation of mechanical bike parking is essential from the point of view of managing traffic at Sevashram Chouraha, Bank Tiraha, Bapu Bazaar, Roadways Bus Stand, Durga Nursery Road Near (Commercial Complexes), Pahari Bus Stand and out side parking of Asind Ki Haveli. An action plan shall be prepared by Udaipur Smart City Limited, Udaipur shortly.

2.8 Bridge from Chandpole to Brahmpole

Presently from Chandpole to Brahmpole road traffic congestion is very high due to narrow existing road. To resolve this issue Udaipur Smart City Ltd. has conducted survey of bridge from Chandpole Puliya via Rangсар Talab and Kumaharia Talab up to Brahmpole (In Lake bed). Udaipur Smart city Ltd. board has already accorded in-Principal approval of this proposal. Since this work is in lake bed area, therefore proposal is to be forwarded to State Level Rajasthan Lake Development and Protection Authority through District Level Lake Development and Protection Committee, Udaipur, after detailed discussion with all the stakeholders related to Lakes and members of District Level Lake Development and Protection Committee, Udaipur for approval and issuing of NOC for this project.



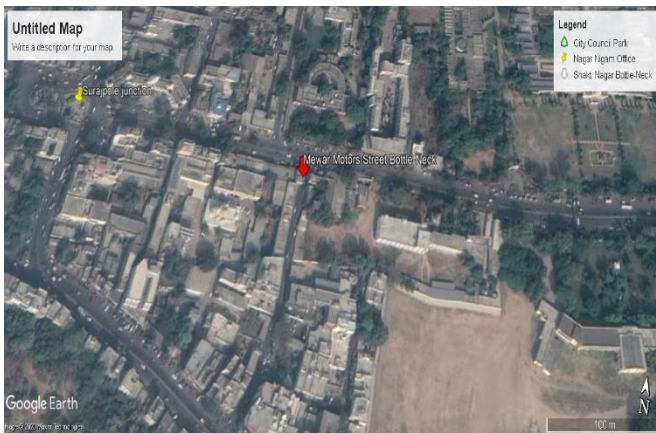
Proposed google map showing bridge from Chandpole to Brahmpole

The details of the proposed project are as below:

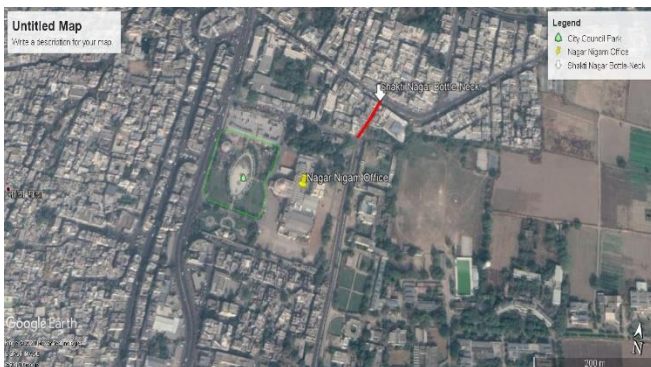
Length	500 meters
Width	5.5 meter
Estimated Cost	Rs. 9.50 Cr.

2.9 Surajpole :

Surajpole area is heart of Udaipur City and traffic intensity in this area is also very high creating traffic congestion in this area. Udaipur Smart City Ltd. is developing this junction and work is under progress and likely to be completed by March-2020. After developing this junction actual traffic position/situation will be adjudged and if required modification of this junction will be taken up. Apart from this there are two Bottle-necks one is near Mewar motors street and another is in RoW of road behind Townhall leading to Shakti Nagar. In this regard a decision has been taken that Municipal Corporation, Udaipur will explore the possibility of removal of Bottle-necks at both the junctions with the mutual consent of owners of buildings coming in the Right of Way (RoW) of these roads.



Mewar Motors Street Bottle-Neck



Shakti Nagar Bottle-Neck

2.10 Saheliyon Ki Badi:

Saheliyon ki Badi is the most beautiful & popular tourist place in Udaipur City. Lot of Indian tourist & foreigners visiting this busiest place every day. Presently there is no parking facility available in an around Saheliyon Ki Badi. There is very high traffic congestion on this road in front of Saheliyon ki Badi. Udaipur Smart City Ltd. is developing a surface parking in front of Saheliyon ki Badi in SCERT office campus and work is in under progress. Apart from the above UIT has also identified the land of PHED adjacent the Saheliyon ki Badi and proposal has been sent to Govt. of Rajasthan for giving NOC for developing surface parking in PHED land where old staff quarters and office of Junior Engineer exist, by constructing the new office and quarters at multistoried building in the same premises with funding from UIT. After getting the NOC from PHED work of developing parking will be initiated by UIT.



Existing Staff quarter & office building of PHED

Proposed drawing of parking to be developed at PHED land



Existing photos of Saheliyo Ki Bari Road

2.11 Hathipole

There is a vegetable market building located near Hathipole, which is having a basement, ground floor and first floor. Presently this building is having following uses: -

- 1- Basement: - In one part of the basement, auto parking of municipal door to door garbage collection is being done. There is also a leakage of water in the basement.
- 2- Ground Floor: - The ground floor of the building has been developed as a vegetable market, where the Municipal Corporation had earlier allotted platforms to vegetable vendors. But the vegetable sellers are sitting outside the building, only one or two vegetable vendors are sitting in the building.
- 3- First floor: - On the first floor, a community building was constructed by the Municipal Corporation in half portion, about 7-8 years ago, the remaining part remains unusable.

The area of the above building has been built in about 15 x 55 and is about 20 years back. In view of the current status of the building, a parking lot cannot be developed on the existing building.

To use this space of building as a parking lot a new construction has to be done by dismantling the existing building. It has been decided that Municipal Corporation will put up this proposal in their Board meeting to take appropriate view/decision.

2.12 To Widen the existing narrow road from new Puliya to Chandpole

Municipal Corporation is conducting survey to Widen the existing narrow road from new Pulia to Chandpole. It has been decided that Municipal Corporation will explore the possibilities to widen this road with mutual consent of the building owners.



Bottle-Neck at Imli Ghat, New Puliya to Chandpole

2.13 Construction of Vented Causeway at Ayad River from Subhash Nagar to Dhulkot Marg

To divert the traffic and resolve the traffic congestion from kumharon ka Bhatta and Durga Nursery road etc. Construction of Vented Causeway at Ayad River from Subhash Nagar to Dhulkot Marg has been proposed and Urban Improvement Trust Udaipur has issues work order of amount Rs. 78 Lakhs for Construction of Vented Causeway at Ayad River from Subhash Nagar to Dhulkot Marg. And work is in under progress and likely to be completed by June-2020. The length of this vented causeway is 150 meter and width of this causeway is 7.5 m



The details of this project are as below:

Length	150 meters
Width	7.5 meter
Estimated Cost	Rs. 0.78 Cr.

2.14 Construction of Master plan road Lake city mall to Subhash Nagar- (60 feet)

To divert the traffic going to Hiran Magri sector 3,4,5,6 etc. from main Ashok Nagar & city and to resolve the traffic congestion from Durga Nursery road and road leading from Kumharon ka Bhatta to Sewashram Chouraha, UIT has taken up the work of construction of Master plan road from Lake city mall to Subhash Nagar (60 feet) amounting to Rs. 2.3 Cr. and tender for the same has already been invited and is under process of issuing Work-Order.



The details of the proposed project are as below:

Length	750 meters
Width	7.5 meter
Estimated Cost	Rs. 2.30 Cr.

2.15 Expansion of existing bridge across link channel on P.P. Singhal Marg near WRD gang-hut:



To is out traffic congestion at the junction of P.P. Singhal Marg & Fatehsagar Lake work of expansion of existing bridge across the link channel near WRD gang-hut is under progress and is likely to completed by the end of April 2020.

Expansion of bridge on Fatehsagar-Swaroop sagar link channel

The details of this project are as below:

Length	18 meter
Width	9 meter
Estimated Cost	Rs. 0.55 Cr.