

TRAFFIC MANAGEMENT SCHEME FOR ITO INTERSECTION

MARCH 2015

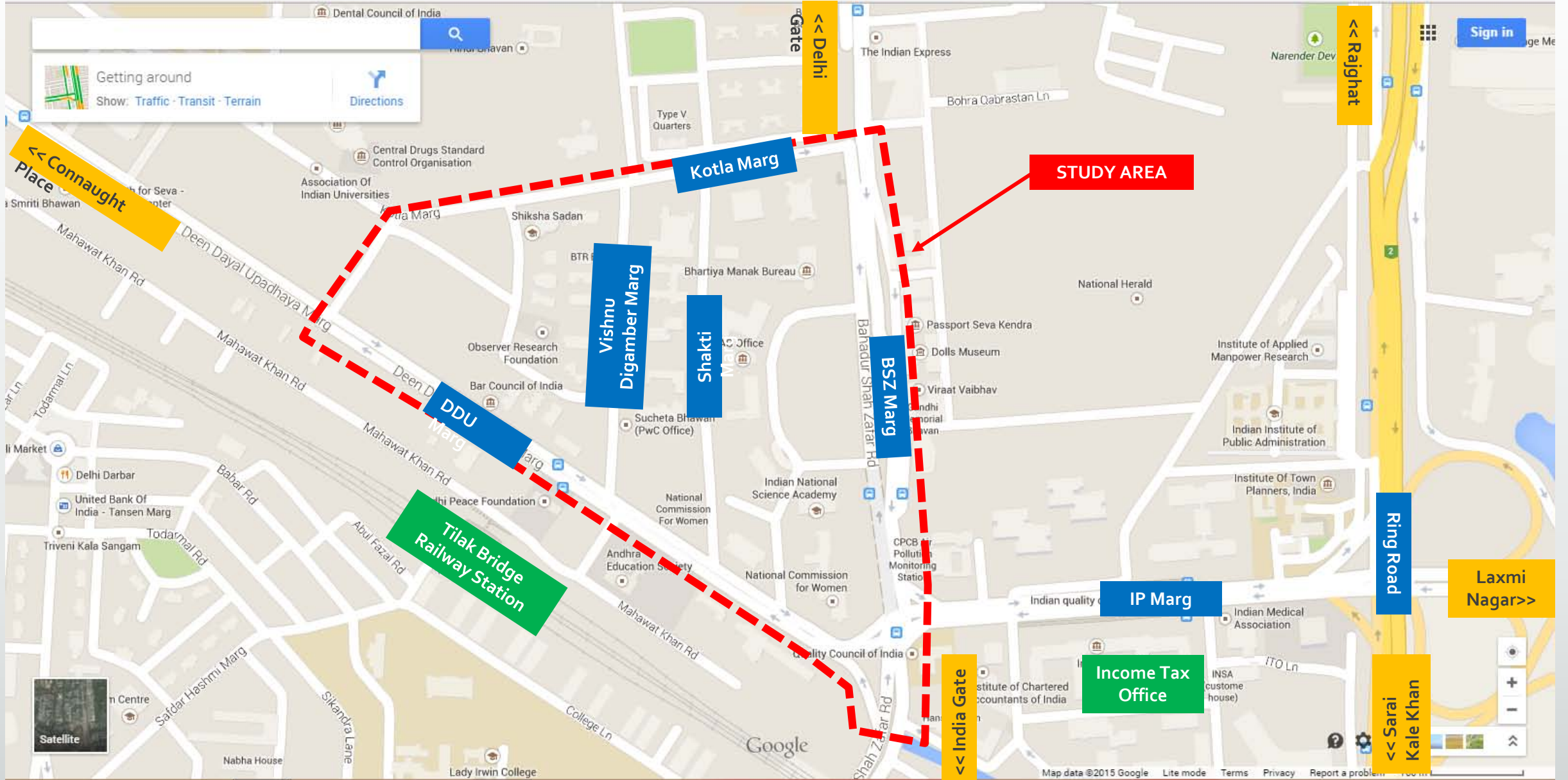


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Study Area



Objectives of the Project

- TO EASE THE TRAFFIC FLOW AT ITO INTERSECTION AND ITS SURROUNDING ROAD NETWORK
- TO FORMULATE STRATEGIES FOR TRAFFIC MANAGEMENT FOR PUBLIC AND PRIVATE VEHICLES OF STUDY AREA.
- TO SUGGEST LOW COST IMPROVEMENT PROPOSALS.

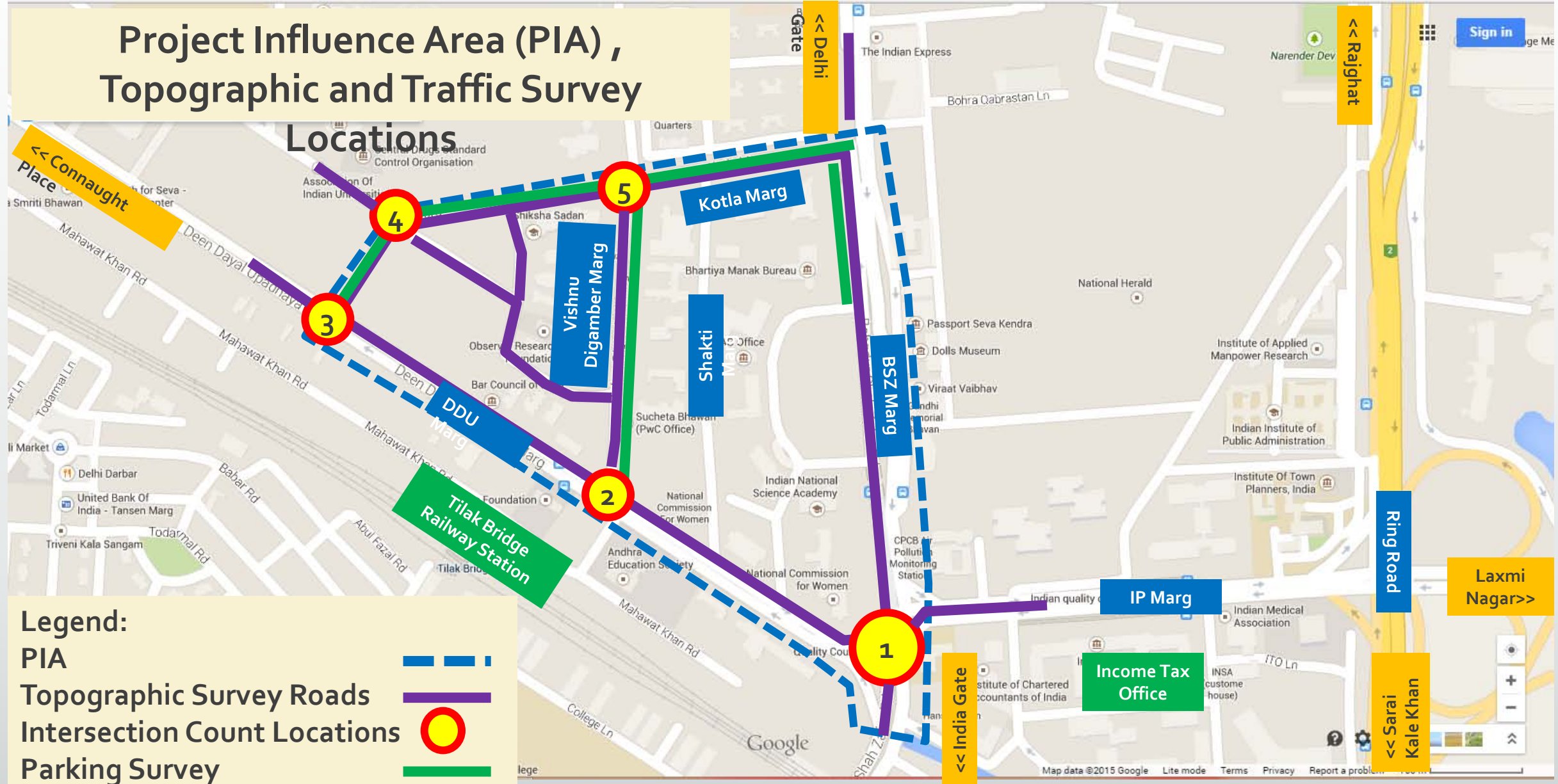
Scope of Work

- RECONNAISSANCE AND DELINEATION OF STUDY AREA
- TOPOGRAPHIC SURVEY ALONG STUDY AREA
- CLASSIFIED TRAFFIC VOLUME COUNT AT SELECTED LOCATIONS
- PARKING SURVEY ALONG SELECTED CORRIDORS
- GEOMETRIC IMPROVEMENTS OF ROAD NETWORK IN STUDY AREA INCLUDING INTERSECTIONS
- CAPACITY ANALYSIS OF MID-BLOCK LOCATIONS TO ACCOMMODATE THE PEAK HOUR TRAFFIC
- TO SUGGEST THE ROAD USER INFORMATION SYSTEM (SIGNAGE'S AND LANE MARKINGS) FOR FACILITATING THE TRAVEL THROUGH THE PROJECT INFLUENCE AREA.
- TO SUGGEST RELOCATION OF SERVICES AND UTILITIES FOR ACCOMMODATING THE PROPOSED IMPROVEMENTS
- TO ESTIMATE THE QUANTITIES AND COST OF IMPROVEMENTS

Field Surveys

Project Influence Area (PIA), Topographic and Traffic Survey

Locations



Legend:

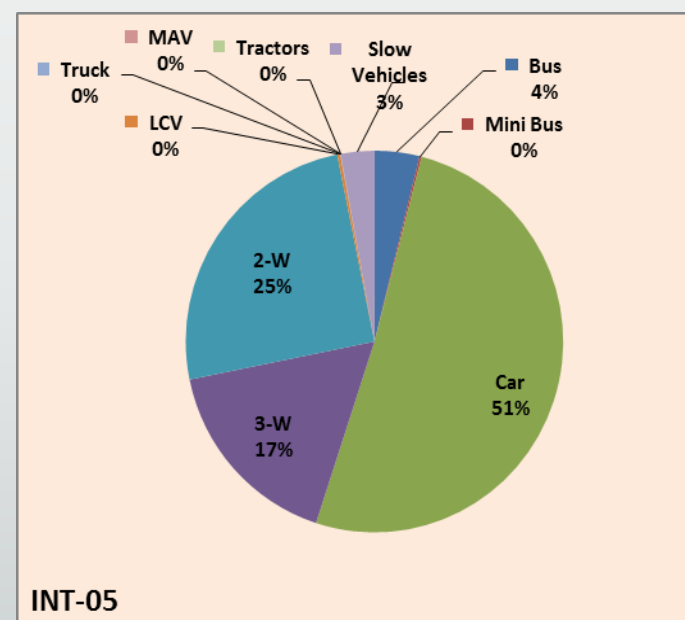
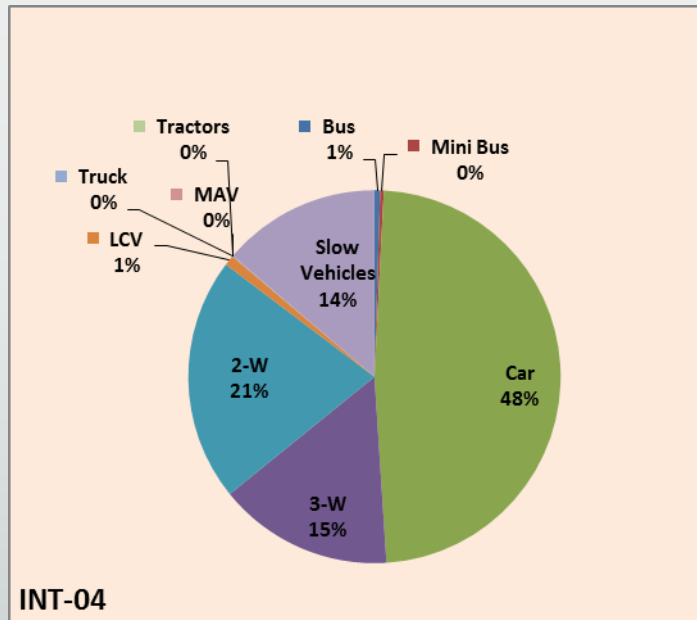
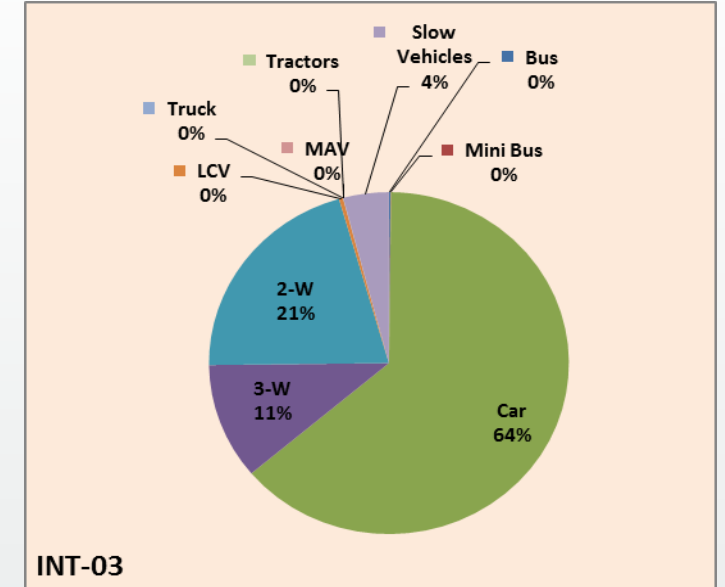
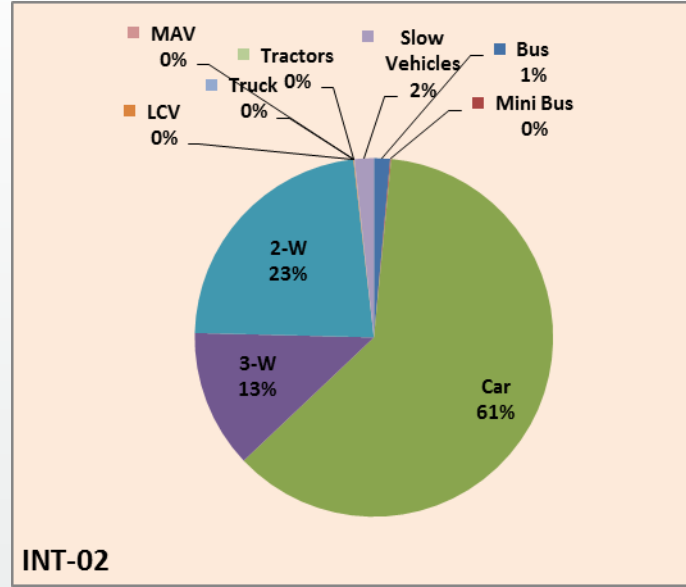
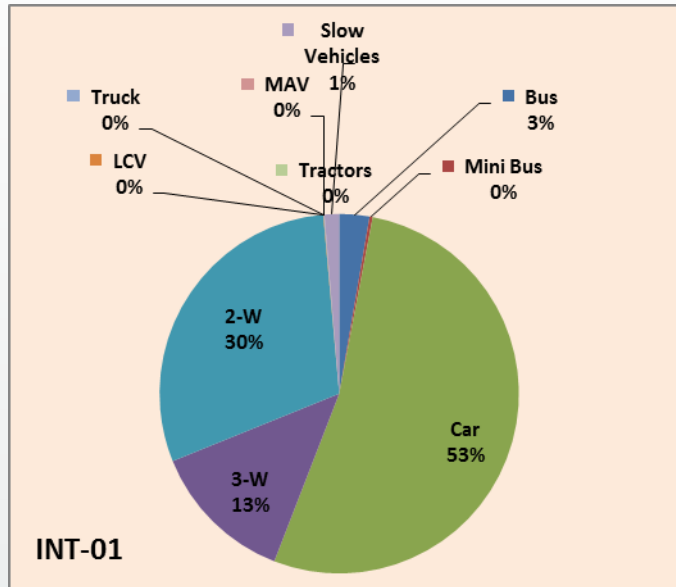
- PIA
- Topographic Survey Roads
- Intersection Count Locations
- Parking Survey

Data Analysis

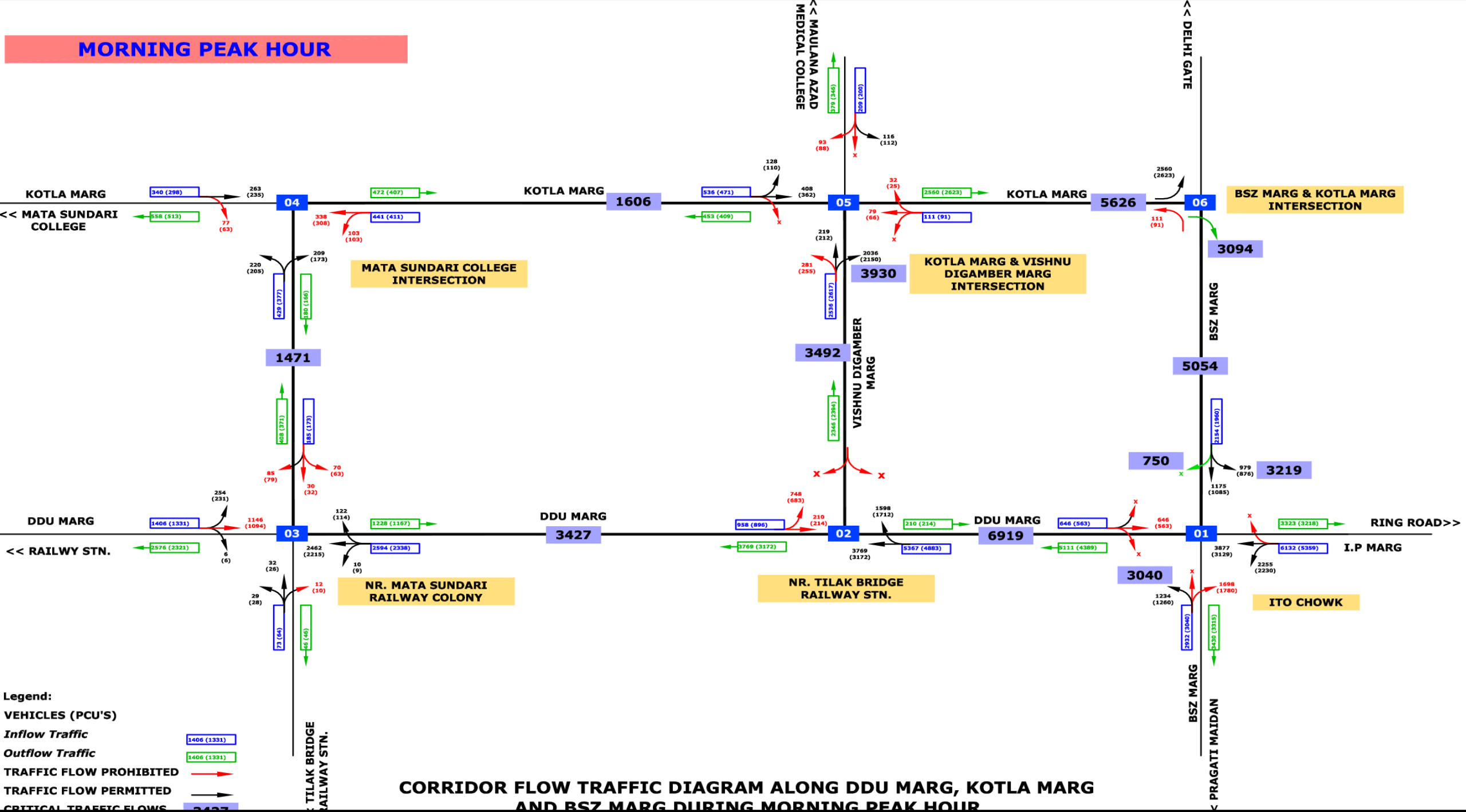
Traffic Characteristics at Intersection

S.No.	Name of Intersection	Entire Day (PCU's)	Morning Peak Hour (PCU's)	Evening Peak (PCU's)
01	ITO Chowk	134265	10921	14002
02	Intersection of DDU Marg – Vishnu Digamber Marg	65333	5779	7503
03	Intersection of DDU Marg and Mata Sundari Lane	43858	3905	4682
04	Intersection of Kotla Marg and Mata Sundari Lane	12739	1086	1401
05	Intersection of Kotla Marg and Vishnu Digamber Marg	26071	3378	2271

Traffic Composition at Intersections

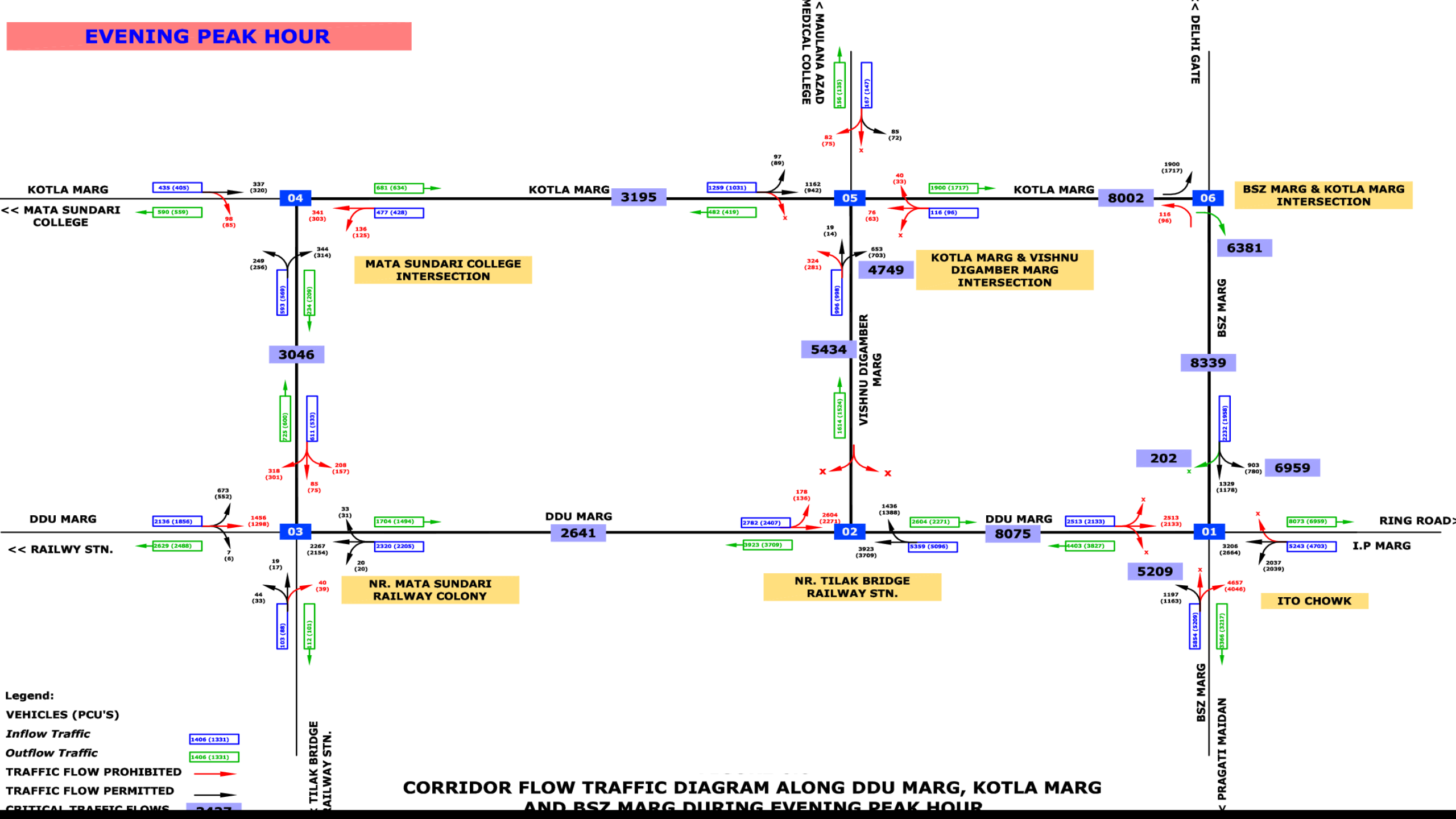


MORNING PEAK HOUR



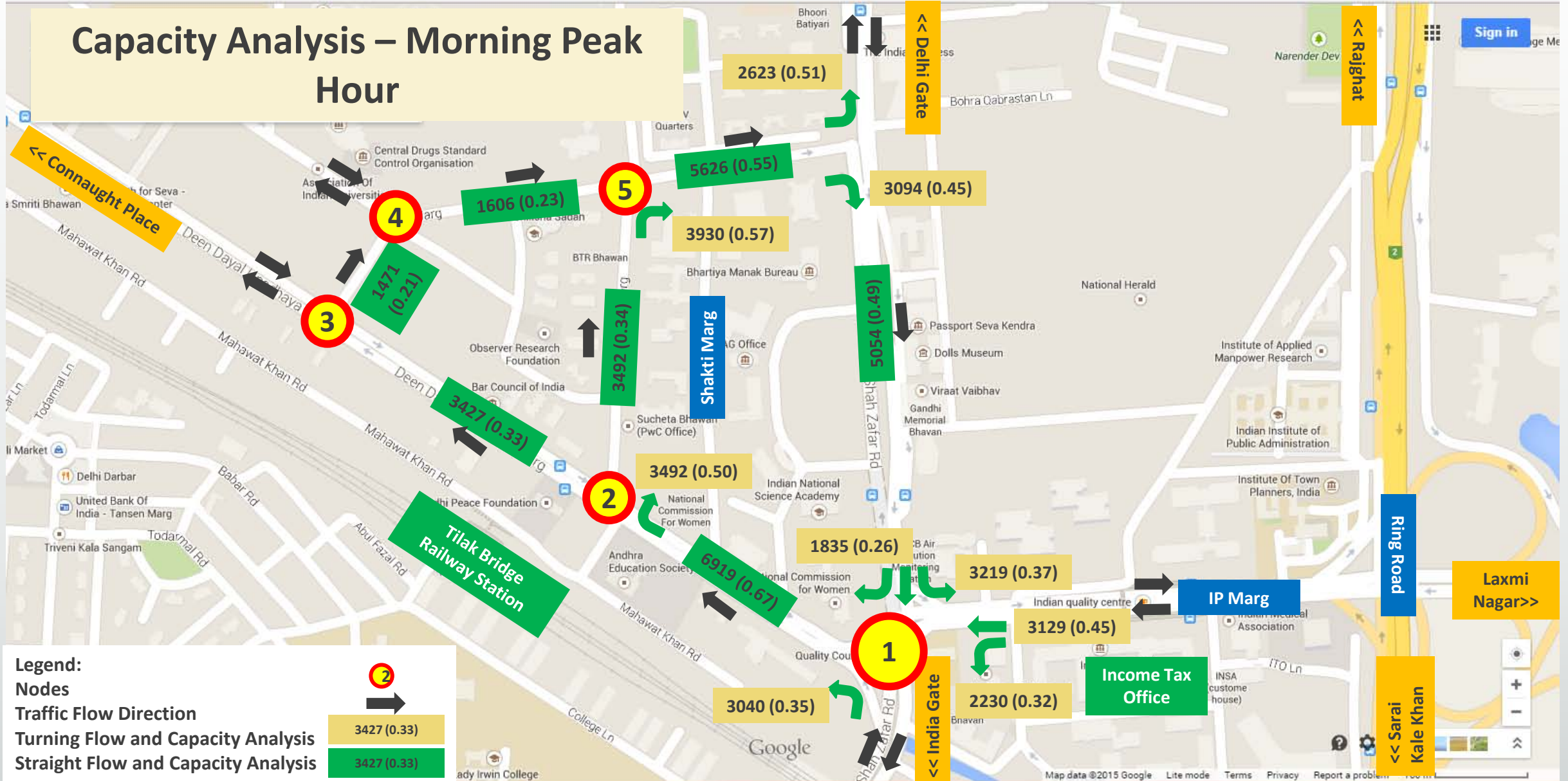
CORRIDOR FLOW TRAFFIC DIAGRAM ALONG DDU MARG, KOTLA MARG AND BSZ MARG DURING MORNING PEAK HOUR

EVENING PEAK HOUR

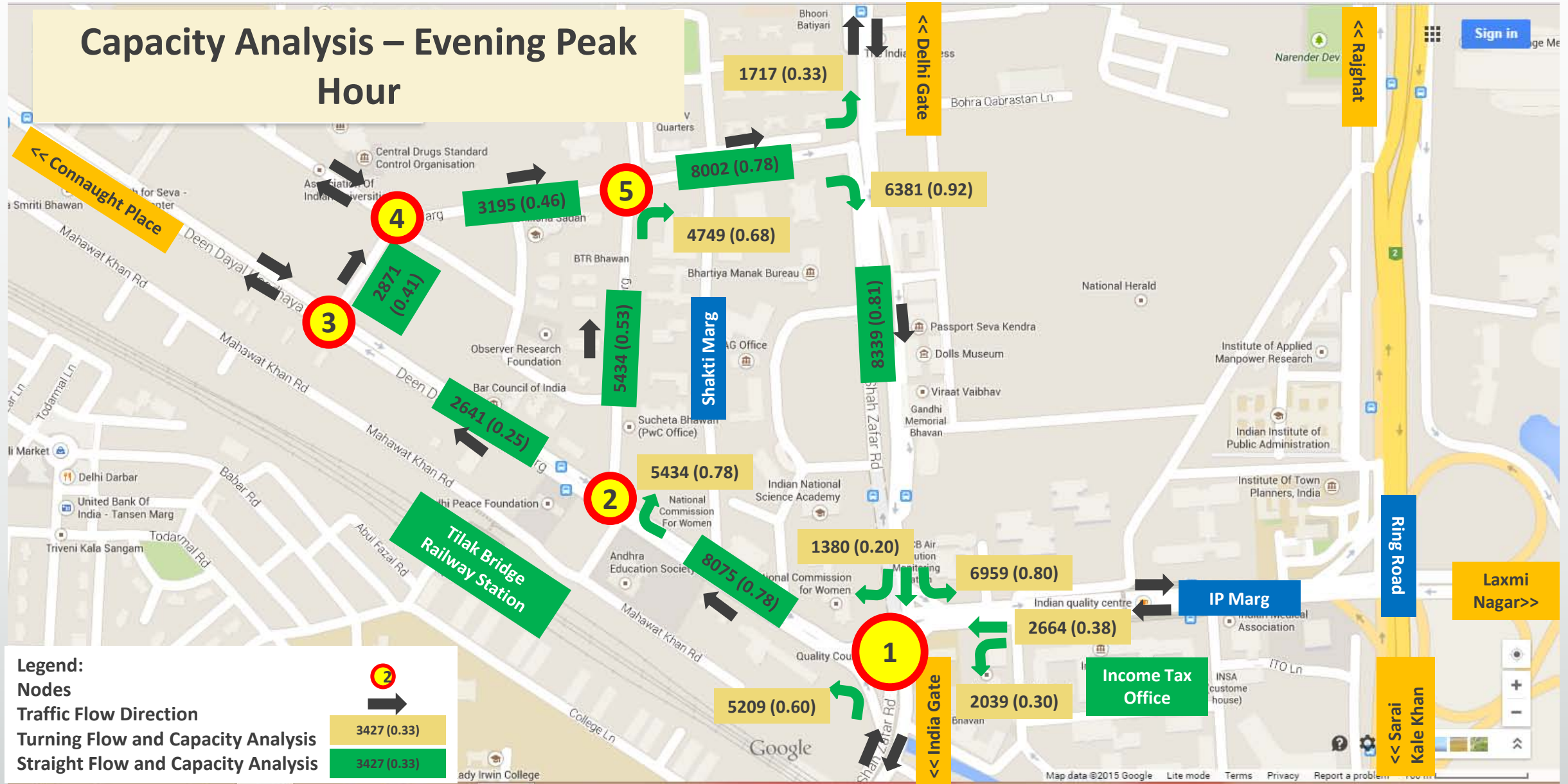


CORRIDOR FLOW TRAFFIC DIAGRAM ALONG DDU MARG, KOTLA MARG AND BSZ MARG DURING EVENING PEAK HOUR

Capacity Analysis – Morning Peak Hour



Capacity Analysis – Evening Peak Hour



On Street Parking Survey and Analysis



Node	Parking Stretch	Peak ECS	Hourly Average ECS
B-C	Mata Sundari Lane - Left	3	1
C-B	Mata Sundari Lane - Right	17	9
C-D	Kotla Marg - Left	66	31
D_C	Kotla Marg - Right	48	36
D-E	Kotla Marg - Left	101	61
E-D	Kotla Marg - Right	81	55
A-D	Vishnu Digamber Marg - Left	119	57
D-A	Vishnu Digamber Marg - Right	79	53
E-F	Indian Post Office (Service Road)	129	87

Traffic Management Proposals

Highlights of Traffic Management Proposal

- (i) WIDENING OF EXISTING ROADS
- (ii) RELOCATION OF BUS STOPS AND DEMARCATING PARATRANSIT STOPS
- (iii) GEOMETRIC IMPROVEMENT INCLUDING CROSS SECTION IMPROVEMENTS, INTERSECTION DESIGN, MODIFICATION OF CENTRE LINE ETC.
- (iv) SIGNAGES AND LANE MARKINGS
- (v) REDESIGN OF SIGNAL PHASING SCHEME
- (vi) INTEGRATION OF SUBWAY FROM METRO STATION WITH FOOTPATHS AND BUS STOPS AS WELL AS OTHER IMPROVEMENT PROPOSAL FOR THE STUDY AREA
- (vii) PARKING RELOCATION
- (viii) SHIFTING OF UTILITIES, SERVICES AND REDUNDANT SIGNS

THANK YOU