

# Beirut Ring Road Project

## Section A2 / B (Part I)

### Hazmieh - Boulevard Camille Chamoun (Sayyad-roundabout)

#### **Introduction:**

Section A2 / B (Part I) is considered the most important part of Beirut ring road since it forms and develops the eastern entrance to the capital, it is also a link between roads and vitally important landmarks such as Sham road, airport road, entrance to the Presidential Palace, old Saida road, Boulevard Camille Chamoun, Beirut river road and Baabda / Al-Hadath main road. Therefore, this section is considered a fundamental backbone for the region and makes its implementation an urgent need which allows the user to utilize the other sections that were previously implemented and takes advantage of them as planned.

#### **Project Characteristics:**

The implementation of this road and placing it in service will lead to complete termination of traffic jams at Sayyad intersection, since intersections that are at the same level in that region would be cancelled and replaced by bridges and tunnels in order to secure non-stop traffic in all directions.

#### **Description of the Road:**

This road which starts from Boulevard Camille Chamoun reaching Sayyad- roundabout and extends to the intersection of the Presidential Palace is considered a vital and strategic joint which highlights the completed network of Beirut ring road and which is a part of the connected links attached to the ring highway from the south and Bekaa towards the city of Beirut .



This road or section A2 / B forms a complementary link to the already completed loop junctions which are:

- Section PN3: or the road parallel to Beirut River, which one of its sections starts from the west side of Beirut river from the headquarters of the Ministry of Energy and Water to beyond its intersection with the coastal highway. While the second section starts from the end of the first section and stretches south towards Sham road –Sayyad-roundabout which is known as A3 symbol.

- Adliyah-Sham Road – Tayouneh link: which is symbolized as A1 secures the connection from A3 road – Sham road – Sayyad-roundabout to Bekaa region without the need to pass through Chevrolet intersection; it also provides traffic to Achrafieh and Furn-Al-Subak easily.

- Hazmieh - Airport Road link: starts with A2 / B Section (Part II) from the airport road to Haret Hreik, while the other part which is known by symbol B extends from Haret Hreik towards Boulevard Camille Chamoun, where it will be connected in future with Section A2 / B (Part I) Hazmieh road- Boulevard Camille Chamoun upon completion and which will provide a smooth transit from the airport and the south to the capital and the Bekaa via Hazmieh passage.



The length of this section is about 1.4 km in addition to all its complementary bridges and tunnels which provides traffic in different directions.

### **Description of Works:**

The project works which extends to a length of around 1.4 km consists of bridges, tunnels and lower passageway which integrate with one another to secure traffic to various directions. The bridges are distributed in the project as follows:

- A bridge over Baabda –Hadath (near Aoun supermarket) with a length of 140 meters and a width of 7 meters in addition to two lanes in one direction.
  
- A bridge over Boulevard Camille Chamoun with a length of 224 meters and a width of 14 meters in addition to two lanes in each direction.
  
- A bridge over Sham road - Presidential Palace road (from Fayyadieh direction to Presidential Palace road) with a length of 130 meters and width of 5.5-meters and one lane.

As for the tunnels they are distributed as follows:

- Low-level road from the Presidential Palace toward Sayyad-roundabout with a length of 180 meters and a width of 7 meters along a two linear course in each direction which are broken up into two tunnels:
  
- A tunnel from Al Fayyadieh direction towards Camille Chamoun Boulevard with a length of 150 meters (connected to link B Airport Road) and a width of 7 meters and a tunnel from Fayadieh towards Gallery Semaan with a length of 180 m and a width of 7 meters along a two linear course in one direction.

As for the lower corridor it runs from the Presidential Palace towards Sayyad-roundabout with a length of 31.5 meters and a width of 11.5 meters.

As to the typical cross-section of this road it consists of a two linear course in each direction with a width of 15 meters, as well as sidewalks on each side with a width of two meters and an Isle in the middle along with a concrete barrier with a width of 0.60 meters. Moreover, Hazmieh - Boulevard Camille Chamoun project works also includes infrastructure and superstructure works which includes rain water drainage channels, sewer, drinking water system, lighting of roads, support Concrete walls and bridges for pedestrians.

In addition Hazmieh – Boulevard Camille Chamoun project is considered one of the few projects which encompass services and many complex infrastructure features which its specific sites well known, this reduces the possibility of surprises in the workplace except for conversion of traffic during the implementation of the works and the transfer of critical services related to the Presidential Palace and the Ministry of Defense such as electricity and telephone.

**Information on Contract:**

- Consultant: Associated Consulting Engineers. (ACE)
- Contractor: Nicolas Srouji Ets. For contracting (NSE)