Traffic Safety Reality and Challenges on Public Roads

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Road Safety Challenges In Lebanon

- In Lebanon, over 600 people are killed each year due to traffic accidents. For example, each year:

<table>
<thead>
<tr>
<th>Year</th>
<th>Crashes</th>
<th>Injuries</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>5042</td>
<td>6567</td>
<td>563</td>
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<tr>
<td>2017</td>
<td>4086</td>
<td>5348</td>
<td>517</td>
</tr>
<tr>
<td>2018</td>
<td>4679</td>
<td>6130</td>
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<td>2019</td>
<td>4926</td>
<td>6576</td>
<td>559</td>
</tr>
<tr>
<td>2020</td>
<td>3155</td>
<td>4173</td>
<td>412</td>
</tr>
<tr>
<td>2021</td>
<td>2648</td>
<td>3279</td>
<td>375</td>
</tr>
</tbody>
</table>

- Over the last year and because of economical challenges in the country, the goal is to improve road safety in the necessary requirements for a safe road for drivers to use at any time even at night without traffic lights and electricity shortage.

- For that, the goal for the ministry is to invest in infrastructure of the roads and all necessary equipment needed to achieve at least the minimum requirements cited by International Road Safety Standards.
Ministry of public Works and Transport,

- Committees to applying the laws, regulations, and specifications issued by the Lebanese Standards Institution for public safety by studying and implementing its projects, including traffic safety on public roads.

- Participates in The National Road Safety Council in Geneva in its programs, seminars and lectures to improve roads and transport in the presence of some non-governmental organizations and also raise awareness of traffic safety on the roads and in front of schools ... etc. Also, seminars and lectures were presented by us.

- She always participates in the meetings of the National Traffic Safety Committee, which among its tasks:
  1. Conducting studies and research to develop traffic safety and submitting them to the Council to take a decision on it.
  2. Submitting the necessary suggestions to develop the traffic law and expressing opinion on draft laws and regulatory decrees...etc.
An opportunity to demonstrate the strength of the road safety partnerships - Geneva

Each year, road accidents lead to the loss of 1.35 million lives and cause more than 50 million serious injuries. But these numbers are not just numbers. They were once life, childhood, dreams and expectations. In Lebanon, the number has exceeded 600 victims in the last two years as a result of traffic accidents on public roads.

As road safety policy makers, we have known that many lives are suddenly stopped or irreversibly changed by road accidents. Maybe a job interview, a vacation to plan, a proper wedding dress...etc.

The UN Road Safety Fund provides an opportunity to make sure that we don't just look at those statistics, but work on new actions to revive hopes and ambitions.

We can turn the page, change the story and ensure a safe journey for everyone, everywhere.
And that is through:

- Funding new methodologies that create the right political conditions to combat the social and economic cost.
- Through partnerships with all actors involved in road safety to improve road safety in low- and middle-income countries.
- In the first year, the fund raised nearly 20 million $ in pledges here. The significance of the PPP.
- It does not need only political statements from governments and expressions of goodwill from the private sector but also tangible financial commitment and support for the implementation of the Fund’s projects.
- Inviting governments and the private sector to activate the partnership to improve safety on national roads.
Public Roads and Traffic Safety

The Ministry of Public Works and Transport, always ready for essential tasks:

1. Rehabilitation of the public roads.

2. Snow removal in winter season.
Public Roads and Traffic Safety

3. Maintenance of public roads, including:

- Retaining wall maintenance
- Expansion joint maintenance
- Maintenance of damaged asphalt and holes...
Traffic Safety in the Study and Implementation of Public Roads

It is studied and implemented according to the technical planning characteristics and technical specifications.

- Extra width in curves per lane
- Transverse slope in curves
- Slopes in the longitudinal section
- Visibility in the longitudinal section
- Gradual connections in curves
- Walls and technical constructions
- Channels and sides
Traffic Safety in the Study and Implementation of Public Roads

It is studied and implemented according to the technical planning characteristics and technical specifications.

- Earth leveling works
- Create a base layer auxiliary and backfill
- Create a base layer
- Asphalt works
- Concrete works
- Stone masonry work
- Providing and installing Barlabakh from reinforced concrete pipes
- Superficial salary layer
- Reinforcement steel
- Gabion cages

The minimum bridge height is 5.25 m.

Adherence to payload schedules in the traffic law

Traffic Analysis
Traffic Safety in the Study and Implementation of Public Roads

It is studied and implemented according to the technical planning characteristics and technical specifications.

Pedestrian bridges are positioned or located as follows:

- Within the criteria where its users can easily access and use.
- In dangerous locations where accidents abound.
- On highways that include a large number of city entrances.
- Be visible so that its users are not exposed to theft.
- Permanent lighting at night to protect its users from infringement.
Traffic Safety in the Study and Implementation of Public Roads

Only lighting on **international roads** is the responsibility of the Ministry of Public Works and Transport.

The sidewalks are studied and implemented according to engineering standards, where pedestrians and bicycles can ... as well as people with special needs (people of determination) in accordance with Law No. 220/2000 for their use.

Side and middle guardrails, roundabouts or islands...etc.
Traffic Safety in the Study and Implementation of Public Roads

- Delineators, road signs, Object Markers, Kilometers and Support Assemblies shall be installed in compliance with LIBNOR Road Safety Standards.

- Traffic signs:
  - Directions
  - Corridor pedestrian
  - Bus Stop
  - Bicycle lane, handicapped... etc
  - Delineators, Border Markers
Traffic Safety in the Study and Implementation of Public Roads

Guidance and directional signs

Warning signs

Regulatory Banners

End Banners Ban

Mandatory end banners

Mandatory signs
Traffic Safety in the Study and Implementation of Public Roads

The use of prominent paving marks, including cat eyes, large or small, as well as ceramic. (shock absorbing devices)

Use of phosphorescent reflectors and road light reflectors...etc.

Using the Scotch line on roads, lighting poles...etc.
At the end of the day, the goals are simply: Security and Safety

THANKS