

# **APPENDIX E**

## **Public Transport Project Profile**

## PROJECT PROFILE

Project No.D01

Project Name	Public Transport				
Existing Condition	Public bus is not yet in service in Greater Tripoli.				
Objective	<ul style="list-style-type: none"> <li>- Decrease the road network traffic congestion.</li> <li>- Introduce of environmental friendly transport mode.</li> <li>- Mitigate the parking problem in the city center.</li> <li>- Encourage utilization of new developing areas.</li> </ul>				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
City Bus Route No.1 & No.2	2002~2003	1.90	1.76	0.24	2.0
	2011~2020	3.80	3.52	0.48	4.0
City Bus Route No.3 & No.4	2006~2008	1.90	1.76	0.24	2.0
	2011~2020	3.80	3.52	0.48	4.0
Behsass Central Terminal	2002~2005	7.60	7.04	0.96	8.0
North Intercity Terminal	2006~2010	2.38	2.20	0.30	2.5
Central Tripoli Bus Terminal	2002~2003	0.33	0.31	0.04	0.35
El Mina Bus Terminal	2002~2003	0.14	0.13	0.02	0.15
El Bedawi Bus Terminal	2002~2003	0.14	0.13	0.02	0.15
Abou Samra Bus Terminal	2002~2003	0.14	0.13	0.02	0.15
New Areas Bus Terminals	2006~2020	0.24	0.22	0.03	0.25
Total (billion LL)		22.37	20.72	2.83	23.55
Remarks					

## PROJECT PROFILE

Project No.:D02

Project Name	Taxi Transport Services				
Existing Condition	There are no standard taxi terminals or taxi stands in Greater Tripoli. Taxi are parking on street that creates severe traffic congestion and has very bad effects in the environment of the city.				
Objective	- Mitigate traffic congestion due to illegal taxi parking. - Provide the public transport user with a comfort facilities.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
Central Tripoli Taxi Terminal	2002~2005	0.14	0.13	0.02	0.15
Southern Taxi Terminal	2002~2005	0.24	0.22	0.03	0.25
Northern Taxi Terminal	2006~2010	0.09	0.09	0.01	0.10
El-Mina Taxi Stands	2002~2005	0.14	0.13	0.02	0.15
El-Bedaoui Taxi Stands	2002~2005	0.14	0.13	0.02	0.15
El-Qoubbe Taxi Stands	2002~2005	0.14	0.13	0.02	0.15
Abou Samra Taxi Stands	2002~2005	0.14	0.13	0.02	0.15
Ras Maska Taxi Stands	2002~2005	0.14	0.13	0.02	0.15
New Area Taxi Stands	2006~2020	0.24	0.22	0.03	0.25
Total (billion LL)		1.41	1.32	0.18	1.50
Remarks					

## PROJECT PROFILE

Project No.:D03

Project Name	School Bus				
Existing Condition	School buses and taxi are the current modes of public transport. Recognizable traffic congestion is due to repeated stopping of large school buses and due to parking of buses on streets in the front of schools.				
Objective	Improve the city environment by eliminating the causes of traffic congestions.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
School Bus Parking Stalls	2002~2005	0.14	0.14	0.01	0.15
Service Taxi and Private Car Stalls	2002~2005	0.09	0.09	0.01	0.10
Replacement of Large Buses by Miniones	2002~2020	0.38	0.35	0.05	0.40
New School Parking Facilities	2002~2020	0.29	0.26	0.04	0.30
Total (billion LL)		0.90	0.84	0.11	0.95
Remarks					

# **APPENDIX F**

## **Traffic Management Project Profile**

## PROJECT PROFILE

Project No.E01

Project Name	Signals				
Existing Condition	In the time being there are no traffic signals in Greater Tripoli. However, there is an ongoing project to install traffic signals at major intersections. The plan include the installation of 13 signals and providing another two intersection with yield and stoop signs as a first phase. In the second phase another 15 intersection will be provided by signals.				
Objective	Increase safety of road users and improve the city environmental condition.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
Traffic Signals Phase I (15)	2002~2005	0.56	0.52	0.07	0.59
Traffic Signals Phase II (15)	2002~2005	0.74	0.69	0.09	0.78
Traffic Signals of Secondary Intersections	2006~2010	0.95	0.88	0.12	1.00
Pedestrian Traffic Signals	2002~2005	0.10	0.10	0.01	0.11
Warning Traffic Signals	2002~2005	0.07	0.07	0.01	0.08
Total (billion LL)		2.43	2.25	0.31	2.56
Remarks					

## PROJECT PROFILE

Project No.E02

Project Name	Signs				
Existing Condition	<p>Informatory signs are located only in arterial roads. These signs can not be observed inside the cities within Greater Tripoli.</p> <p>Most of warning signs are placed at and near to the city center. Same as the warning sign is the prohibitory sign.</p>				
Objective	Increase safety of road users.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
Warning Signs (240)	2002~2005	0.038	0.035	0.005	0.04
Warning Signs (240)	2006~2010	0.038	0.035	0.005	0.04
Informatory Signs (240)	2002~2005	0.019	0.018	0.002	0.02
Informatory Signs (240)	2006~2010	0.019	0.017	0.003	0.02
Prohibitory Sign (120)	2002~2005	0.105	0.100	0.01	0.11
Prohibitory Sign (120)	2006~2010	0.105	0.100	0.01	0.11
Total (billion LL)		0.324	0.305	0.035	0.34
Remarks					

## PROJECT PROFILE

Project No.E03

Project Name	Marking				
Existing Condition	Road marking cannot be observed in Greater Tripoli. Even at major intersections marking cannot be seen. Therefore, road marking will start from the first step.				
Objective	Increase safety of road users.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
Intersection	2002~2005	0.048	0.044	0.006	0.05
Major Corridors	2002~2005	0.181	0.167	0.023	0.19
Secondary Corridors	2006~2010	0.114	0.106	0.014	0.12
Total (billion LL)		0.343	0.317	0.043	0.36
Remarks					



## PROJECT PROFILE

Project No.E04

Project Name		Pedestrian Overpass / Underpass				
Existing Condition		Recently, there are no such facility in Greater Tripoli.				
Objective		Increase safety of pedestrians.				
Work Item		Two locations near to the International Fair where under or overpass will be constructed over the auto-strad.  One location in the middle of the corridor from Malloula fly-over to Abou Ali roundabout.				
Economic Cost		0.247				
Financial Cost		0.229				
Engineering		0.031				
Right-of-Way		-----				
Total (billion LL)		0.26				
Implementation Year	From	2002				
	To	2005				
Remarks						

## PROJECT PROFILE

Project No.E05

Project Name	Parking				
Existing Condition	<ul style="list-style-type: none"> <li>• Control for the on-street parking even at the approaches of intersections is not efficient.</li> <li>• There is no parking policy for the on-street parking.</li> <li>• Bad geometrical planning of the off-street parking areas.</li> <li>• The school buses have no parking stalls.</li> <li>• Taxi stands capacity is insufficient.</li> <li>• There is no geometrical design for the city and intercity taxi terminals and the capacities of the existing terminals are insufficient.</li> <li>• There is no geometrical design for the intercity bus terminals and the current terminals capacities are limited.</li> </ul> <p>This considerable shortage in the parking control and facilities almost will have great undesirable and unlikely effects on the environmental condition of the city.</p>				
Objective	Mitigate traffic congestion especially in the Central Area.				
Work Item	Implementa- tion Plan	Cost			
		Economic	Financial	Eng.	Total
Parking Prohibition at Intersection Approach	2002~2005	0.095	0.088	0.012	0.10
Partially Parking Prohibition along Corridors	2002~2005	0.095	0.088	0.012	0.10
Completely Parking Prohibition in Main Streets	2002~2005	0.095	0.088	0.012	0.10
On-street Paid Parking	2002~2005	0.285	0.264	0.036	0.30
Off-street Paid Parking	2002~2005	0.380	0.352	0.048	0.40
Multi-Story Car Park	2002~2005	0.285	0.264	0.036	0.30
Truck Loading and Un-Loading	2002~2005	0.048	0.044	0.006	0.05
Total (billion LL)		1.283	1.188	0.162	1.35
Remarks					

## PROJECT PROFILE

Project No.E06

Project Name		Education / Safety				
Existing Condition		Recently, there are no such facility in Greater Tripoli.				
Objective		<ul style="list-style-type: none"> <li>- To conduct traffic safety campaigns in order to improve road user behavior and attitudes</li> <li>- Safety Education Program for children</li> <li>- Training Program for traffic officer relating to traffic management and control</li> </ul>				
Work Item		<ul style="list-style-type: none"> <li>- Traffic Campaigns including booklets, pamphlets and promotion through mass media including TV, radio and newspaper.</li> <li>- Traffic Safety Education Program for children</li> <li>- Traffic Safety Education Program in the field of traffic management and control for police officers</li> </ul>				
Economic Cost		3.80				
Financial Cost		3.52				
Engineering		0.48				
Right-of-Way		-----				
Total (billion LL)		4.0				
Implementation Year	From	2002				
	To	2010				
Remarks						

## PROJECT PROFILE

Project No.E07

Project Name		Enforcement				
Existing Condition		Recently, there are no such facility in Greater Tripoli.				
Objective		<ul style="list-style-type: none"> <li>- Review and revise the current law and regulation system</li> <li>- Enforce the control facilities of traffic police departments</li> </ul>				
Work Item		<ul style="list-style-type: none"> <li>- Revision of the current traffic law</li> <li>- Provide the traffic police department with the required traffic control facilities that will be include patrol cars, patrol motorcycles, radar, traffic safety equipments,.....etc.</li> </ul>				
Economic Cost		1.074				
Financial Cost		0.994				
Engineering		0.136				
Right-of-Way						
Total (billion LL)		1.13				
Implementation Year	From	2002				
	To	2010				
Remarks						

# **APPENDIX G**

## **Origin – Destination Tables**























