



# ROAD AND TRANSPORTATION MASTER PLAN

WEST BANK AND GAZA STRIP

TA 2012013 PS 00 F10

**Annex 18 – Priority Actions Project Sheets**

SEPTEMBER 30, 2016





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## 1. Introduction

This Annex presents all the Priority Actions Sheets proposed by NTMP of West Bank and Gaza Strip. Before illustrating the single Priority Actions Sheets, a summary, organized by Transport Sub-Sector and by Phase, is provided below.

## 2. Priority Actions Lists

### Road Transport Sector (Phase 1A)

- Road between Karem Abu-Salem BCP and Rahaf BCP
- New Gaza Strip Eastern Corridor
- Salah Al Din Central Axis Road in Gaza Strip
- Road Connection to Yasser Arafat Airport
- Road Connection to Gaza Fishery Port
- New Eastern Road Network: Nabi Musa-Hebron-Bethlehem
- Road Connection to Karama Bridge BCP
- Road Connection between Ramallah and Nablus
- Urban Ring-roads in West Bank Main Cities
- Rural Roads Sealing - Stage 1 (40%)
- Road Asset Management & Coordination Program
- New West Bank - Gaza Strip Corridor
- Detailed Road Inventory and Conditions Surveying
- Roads Department Capacitation
- Roads Total Quality

### Rail Transport Sector (Phase 1A)

- Capacitation of Railway Management & Operations Unit
- International Railway Network Feasibility Study
- National Railway Network Feasibility Study
- Ramallah-Nablus Rail Connection Planning and Design

### Maritime Transport Sector (Phase 1A)

- Existing Gaza Fishery Port Restructuring - Stage 1
- New Gaza Strip Commercial Port

### **Air Transport Sector (Phase 1A)**

- Capacitation of Air Transport Administration and Operations
- Yasser Arafat Airport Rehabilitation in Gaza Strip - Stage 1 (60%)
- New West Bank International Airport

### **Public Transport Sector (Phase 1A)**

- Administrative Structuring of Public Transport Sector
- Public Transport Network Detailed Study
- Public Transport Design for New hubs, Stations and Stops
- Temporary Refurbishment of Major hubs and stations

### **BCPs – Border Crossing Points (Phase 1A)**

- Tulkarm-Faroun Border Crossing
- Damyeh Border Crossing
- Karama Bridge Border Crossing
- Tarqumiya Border Crossing
- Beituniya Border Crossing
- Rafah Border Crossing

### **Logistics (Phase 1A)**

- Detailed Feasibility Study of Logistics Network
- Damyeh National Logistics Area - Stage 1 (50%)





### 3. Priority Actions Sheets

# Road between Karem Abu-Salem BCP and Rahaf BCP

## Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	1

### 08. Project Description

The intervention consists of planning and design of a new road connecting the K. A. Salem BCP to Rafah BCP. The road will be compliant with Road Section Type 1.

### 09. Project Details

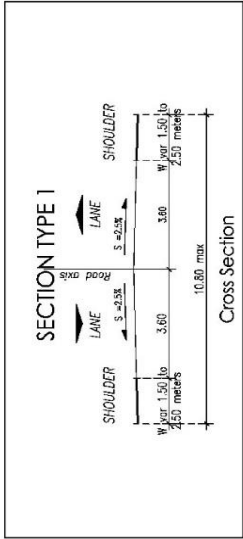
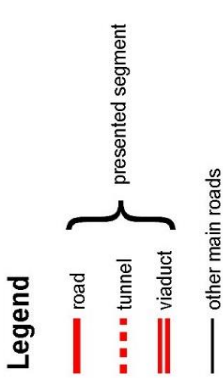
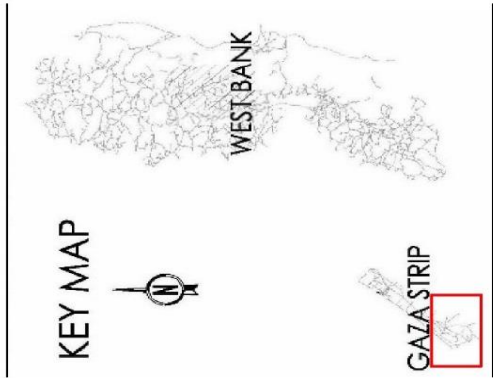
Length (Km)	3.30
Unit Rate (mil€/Km)	1.00
Section Type	Section Type 1 (New)

10. Cost Estimate (€ million)	3.30
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	867,139
Veh*km	

13. Drawing Layout



Rehabilitation/Upgrade of road section between Abu-Salem BC and Rafah BC



## New Gaza Strip Eastern Corridor

### New Infrastructure

01. Location	Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

### 08. Project Description

The intervention consists of the preparation of the planning and design of the Gaza Strip Eastern Expressway.

### 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

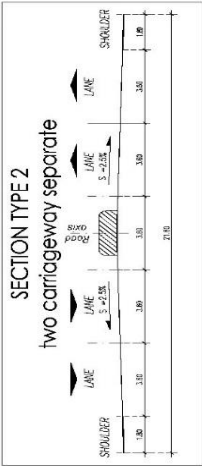
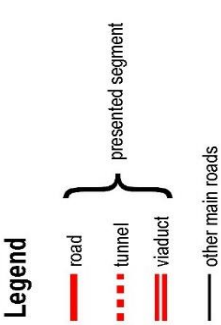
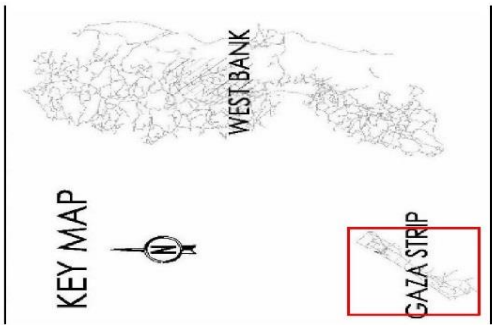
Road Section Type                      Section Type 2 (New)

10. Fees Estimate (€ million)	1.63
11. Duration (Years)	1

### 12. Traffic Volumes Annual Forecast

Veh\*km

13. Drawing Layout



New Gaza Strip Eastern corridor

## Salah Al Din Central Axis Road in Gaza Strip

### Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	3

### 08. Project Description

The intervention consists of the rehabilitation of 16.8 km of existing road that connects Khan Younis town with Rafah BCP, and the rehabilitation of 23.2 km of existing road, Salah Al Din road. The Rehabilitation will be performed along the segments where the carriageway is not in good conditions or is not similar to existing sections recently built.

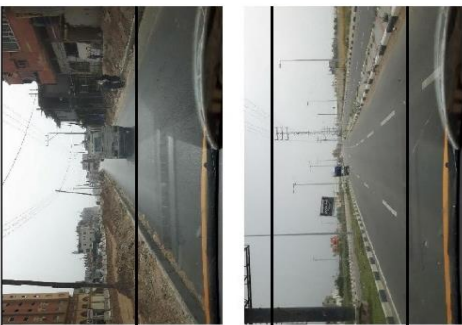
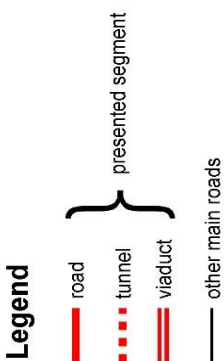
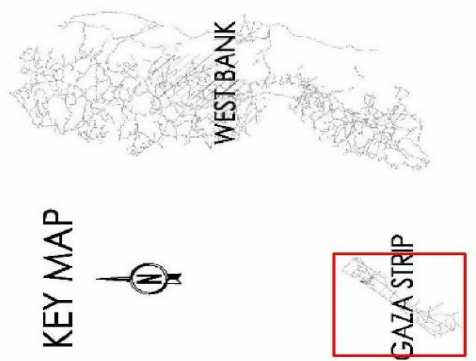
### 09. Project Details

Length (Km)	40.00
Unit Rate (mil€/Km)	1.00
Road Section Type	as per Existing Section

10. Cost Estimate (€ million)	0.00
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast Veh*km	721,428,726



13. Drawing Layout



Rehabilitation/Upgrade of Salah Al Din central axis road in Gaza Strip

## Road Connection to Yasser Arafat Airport

### Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	4

### 08. Project Description

The intervention consists of a new road connecting road n°4, Salah Al Din road, near Khirbat al-Adass City, with the Yasser Arafat Airport in Gaza Strip.

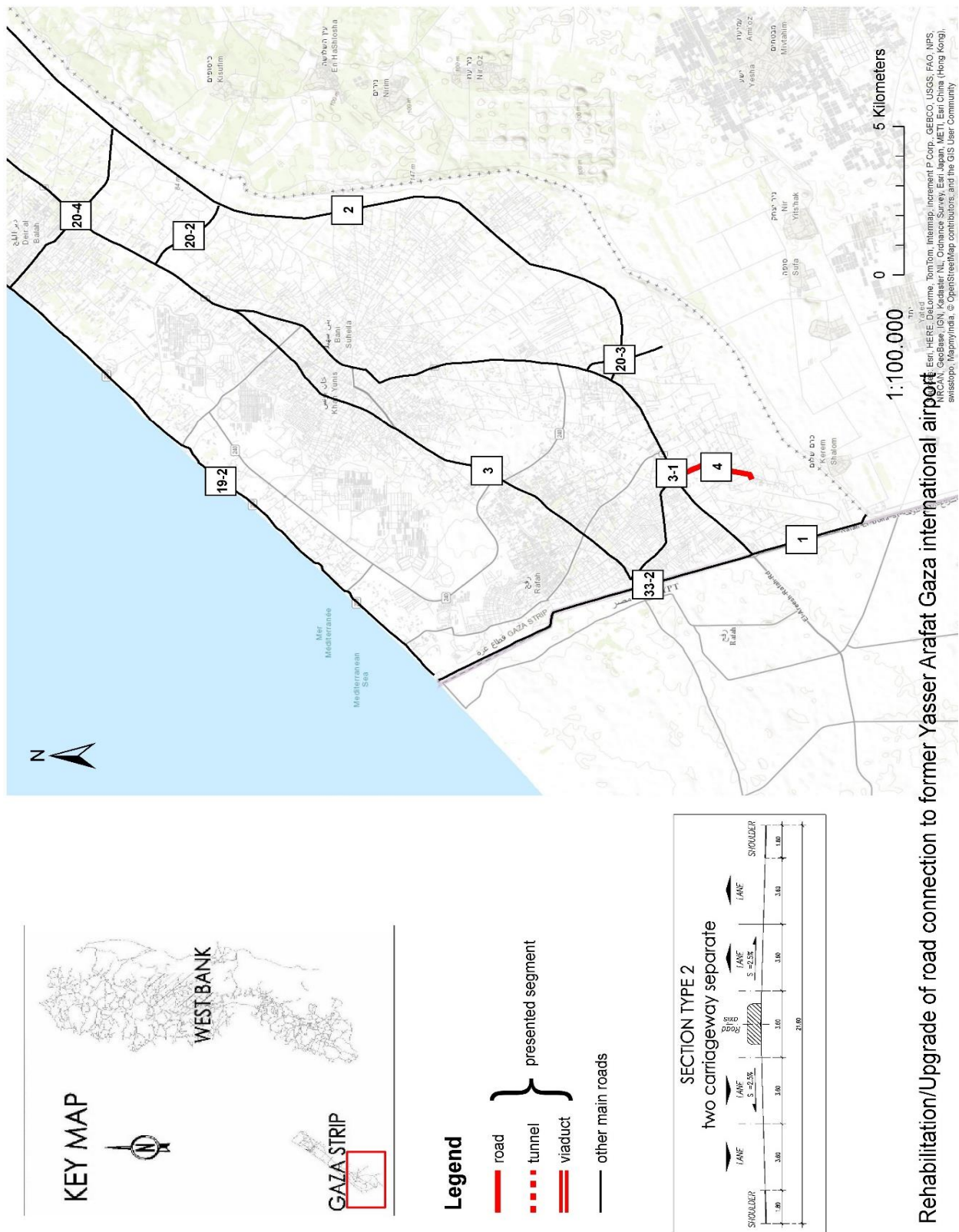
### 09. Project Details

Length (Km)	2.25
Unit Rate (mil€/Km)	2.00
Road Section Type	Section Type 2 (New/ Rehabilitation)

10. Cost Estimate (€ million)	4.50
11. Duration (Years)	1
12. Traffic Volumes Annual Forecast Veh*km	2,586,561



13. Drawing Layout



Rehabilitation/Upgrade of road connection to former Yasser Arafat Gaza international airport

## Road Connection to Gaza Fishery Port

Road n°4 to road n°230

### Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	5

### 08. Project Description

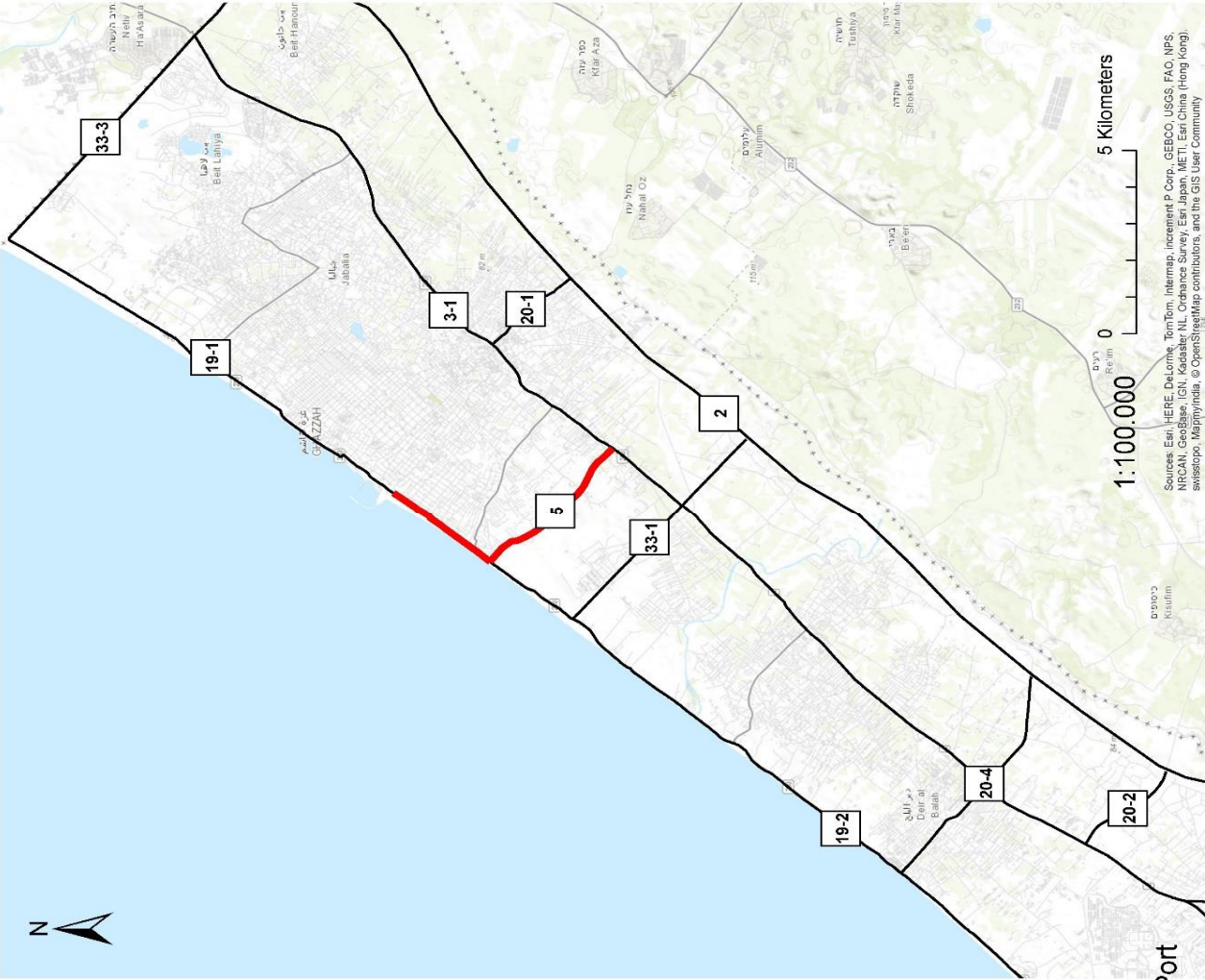
The intervention consists of a new road connecting Salah Al Din road, southern of Gaza City with the coastal road n°230.

The new link is a two-carriageway road, separated by a median island.

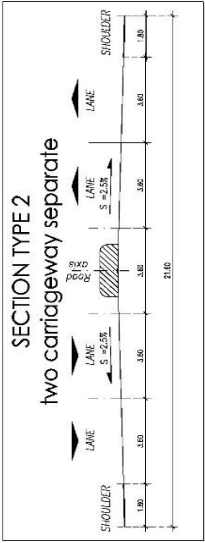
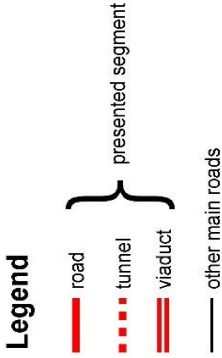
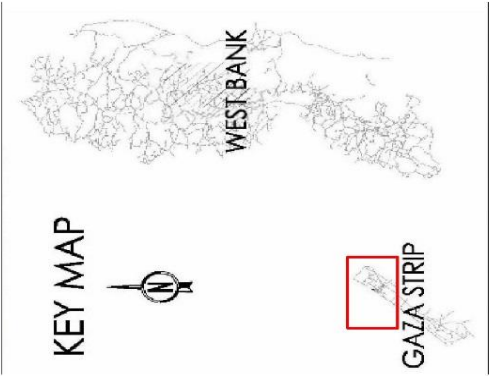
### 09. Project Details

Length (Km)	3.80
Unit Rate (mil€/Km)	1.00
Road Section Type	Section Type 2 (New)
10. Cost Estimate (€ million)	3.80
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	1,054,254
Veh*km	

13. Drawing Layout



Upgrade of road connection to Gaza Fishing Port



# New Eastern Road Network:Nabi Musa-Hebron-Bethlehem

Road °90/bis road system

## New/ Rehabilitation

01. Location	West Bank
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	New/ Rehabilitation
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

The intervention consists of planning and design of new eastern road network: Nabi Musa, Hebron, Bethlehem. Road n°90/bis road system.

## 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Road Section Type

Section Type 1 (New)

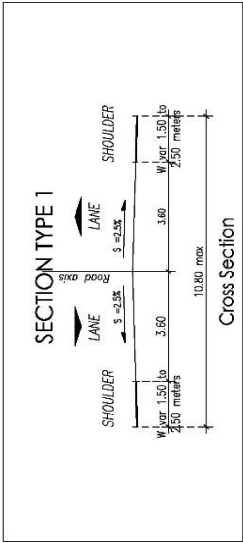
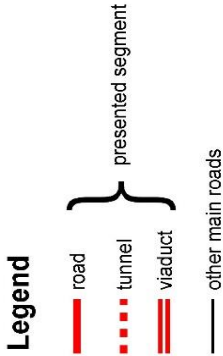
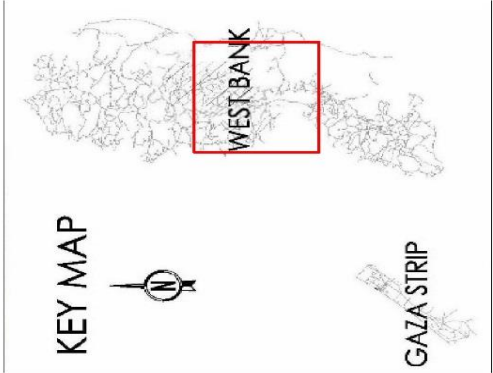
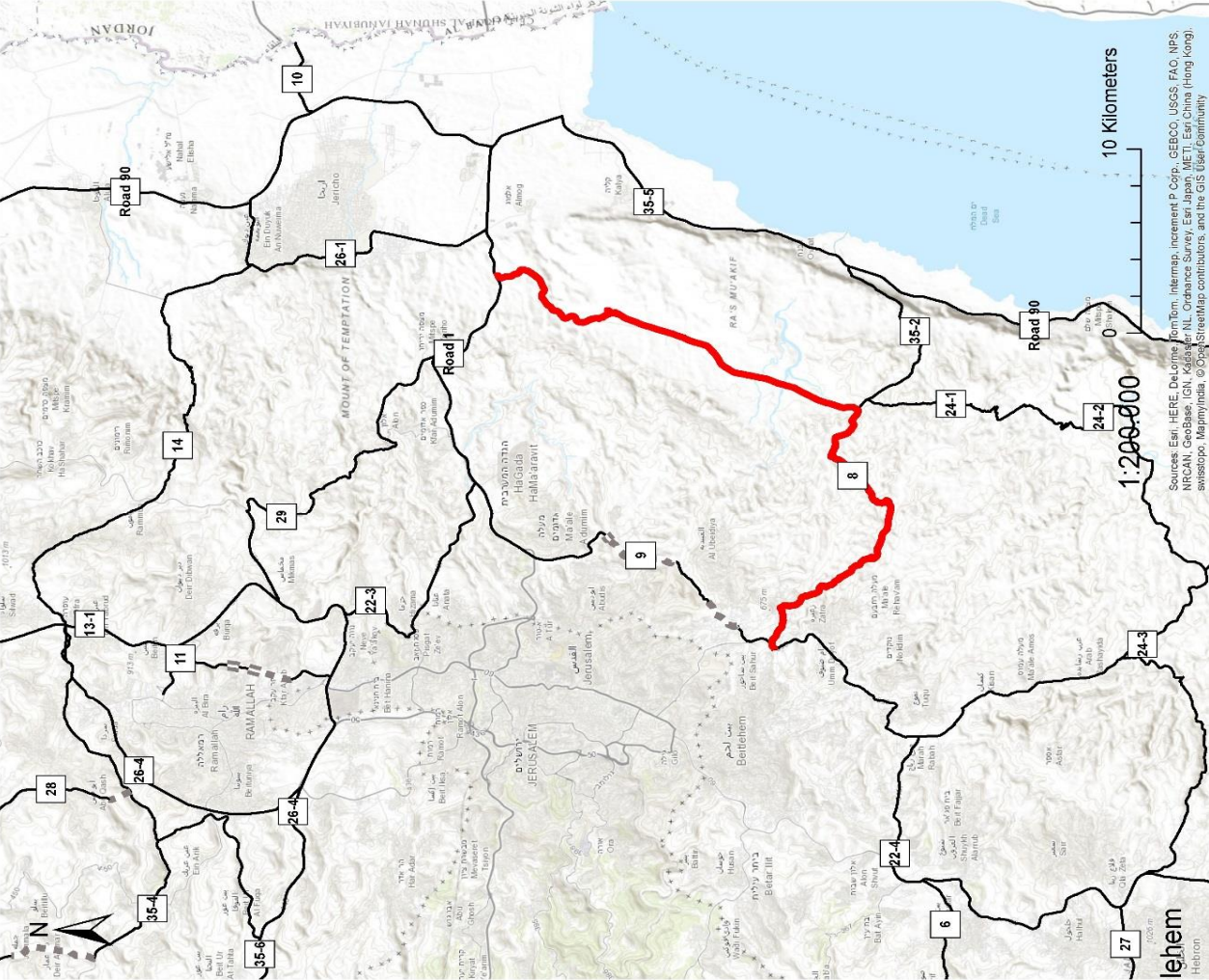
10. Fees Estimate (€ million)	2.40
11. Duration (Years)	1

## 12. Traffic Volumes Annual Forecast

Veh\*km



13. Drawing Layout



New eastern road network: Nabi Musa to Bethlehem

## Road Connection to Karama Bridge BCP

### Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	7

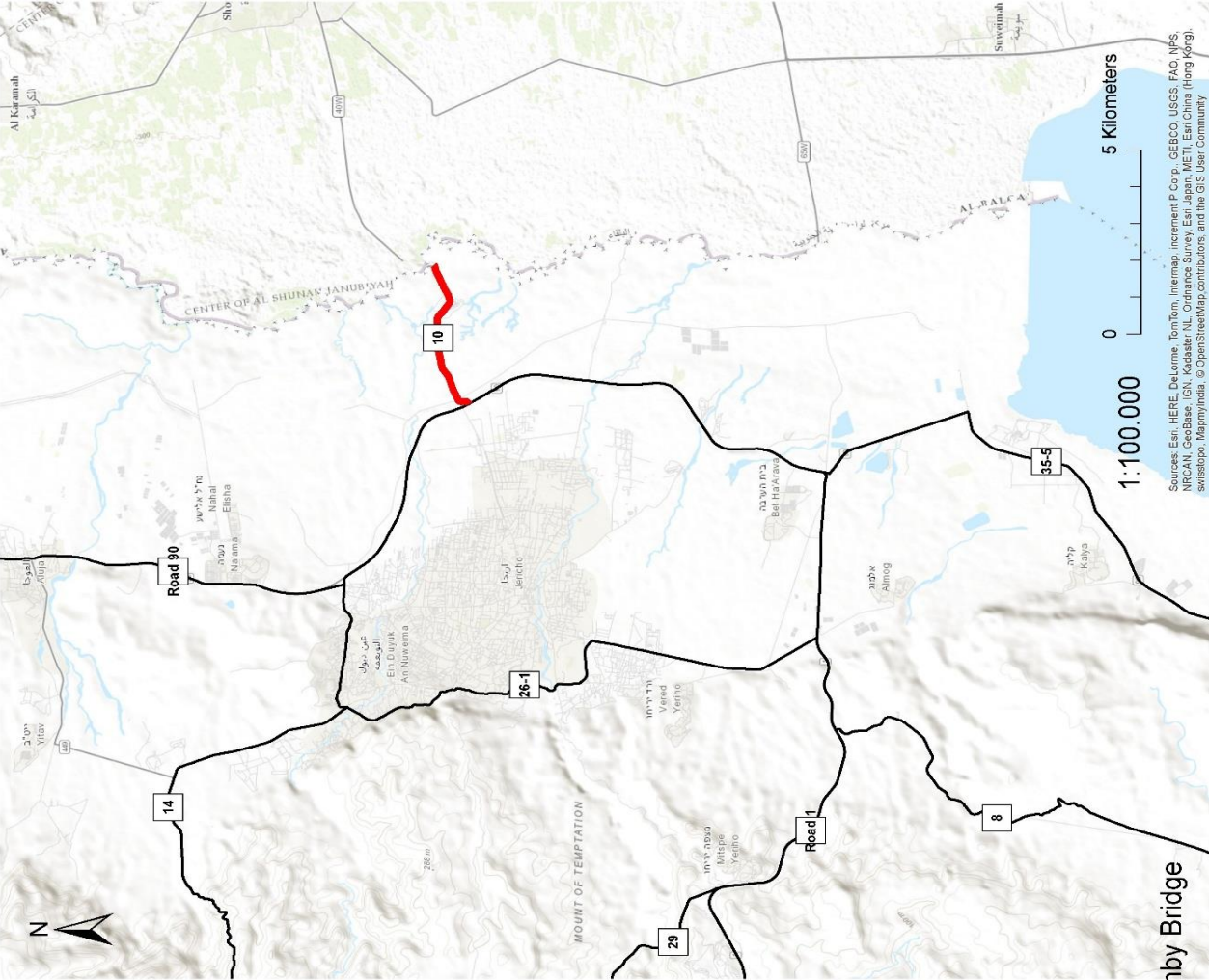
### 08. Project Description

The intervention envisages the construction of a new access road to Karama Bridge BCP, starting from the junction with road n° 90, near Jericho City. The new road is composed by two carriageways, divided by a median islan (Section Type 2).

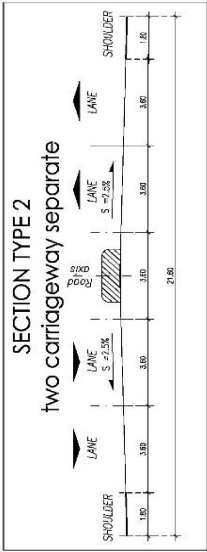
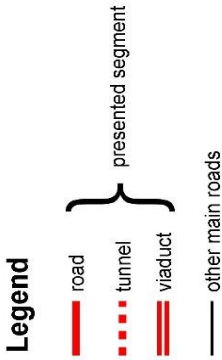
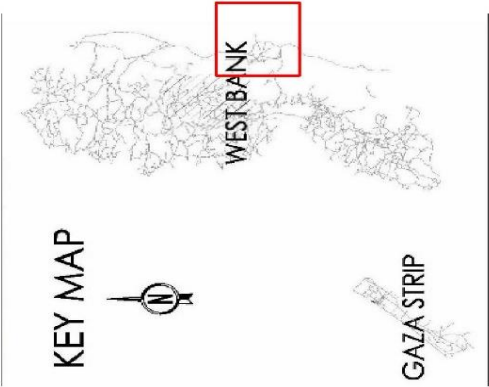
### 09. Project Details

Length (Km)	3.60
Unit Rate (mil€/Km)	1.00
Road Section Type	Section Type 2 (New)
10. Cost Estimate (€ million)	3.60
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	394,532
Veh*km	

13. Drawing Layout



Rehabilitation/Upgrade of road facilities of Allenby Bridge



# Road Connection between Ramallah and Nablus

## Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	8

## 08. Project Description

The infrastructural upgrade envisaged for this road allows the compliance with Section Type 1, reaching a global width of 10.8 m, as shown in cross section (see: 13. Drawing Layout). Where the slope exceeds 7%, an additional lane for slow vehicles is recommended.

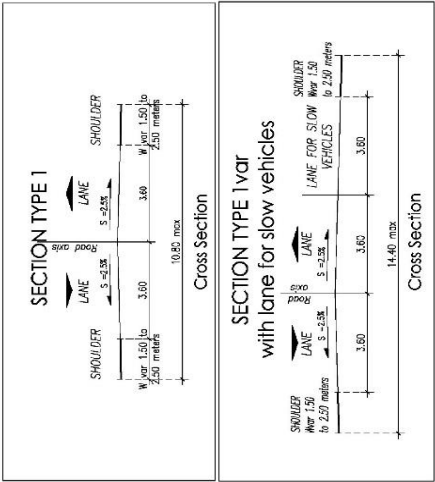
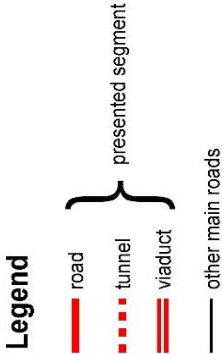
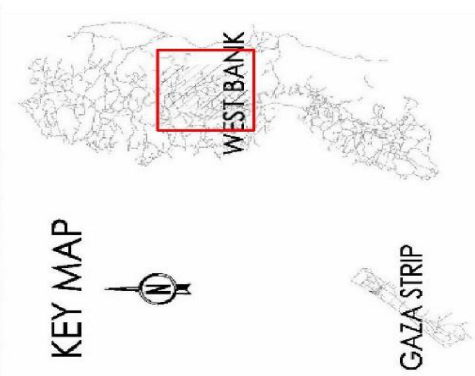
## 09. Project Details

Length (Km)	36.60
Unit Rate (mil€/Km)	1.00
Road Section Type	Section Type 1 (New/ Rehabilitation)

10. Cost Estimate (€ million)	36.60
11. Duration (Years)	1
12. Traffic Volumes Annual Forecast Veh*km	297,830,183



13. Drawing Layout



Rehabilitation/Upgrade of current road connection between Ramallah-Al Bireh and Nablus

## Urban Ring-roads in West Bank Main Cities

Jericho, Hebron, Ramallah, Jenin and Tulkarm

### New Infrastructure

01. Location	West Bank
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

### 08. Project Description

The project consists of planning and design of new urban ring roads for the following Palestinian cities: Jericho, Hebron, Ramallah, Jenin and Tulkarm.'Refer to point 13 " Drawing Layout"

### 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

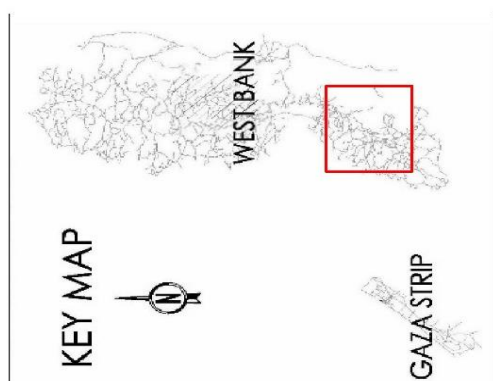
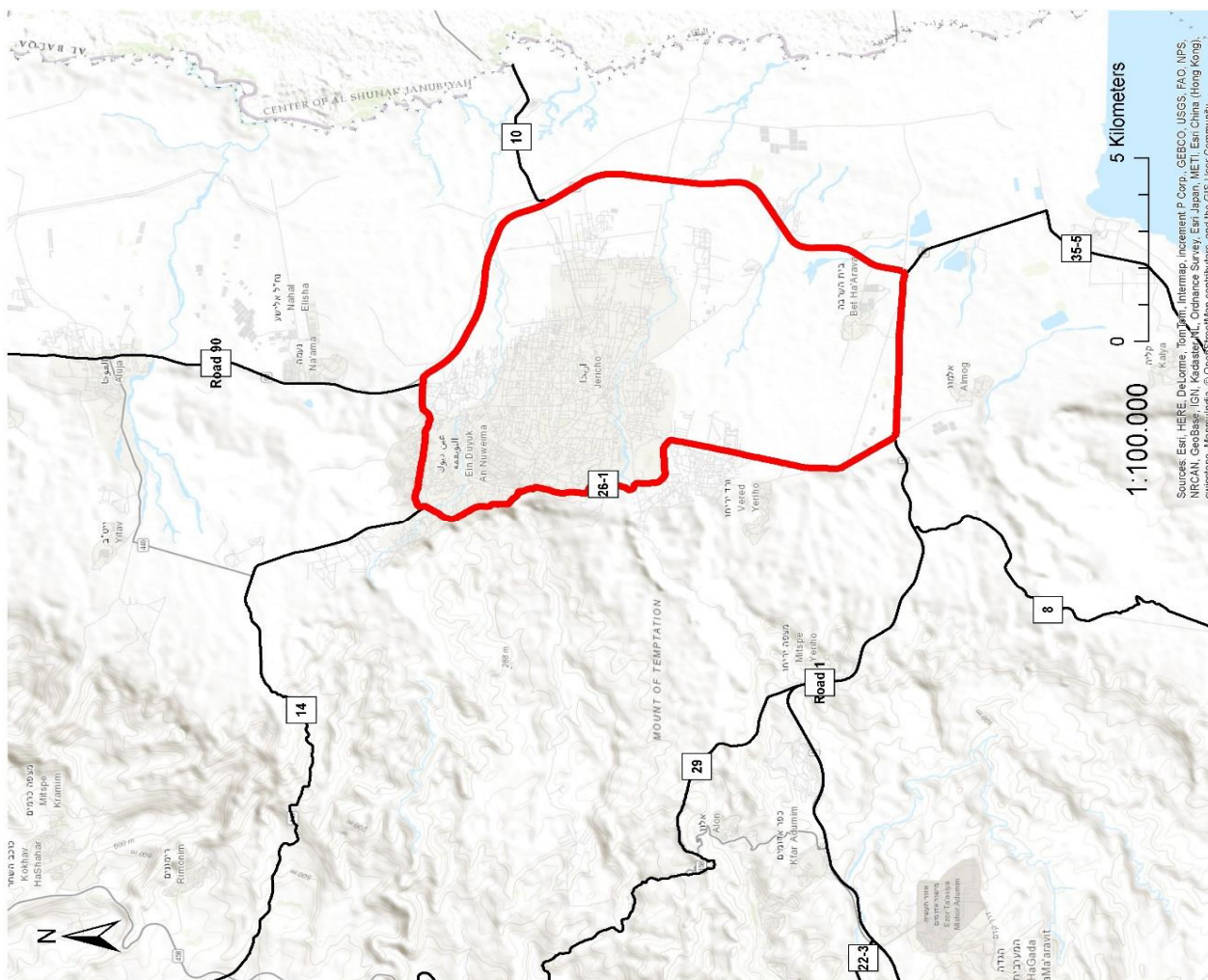
Road Section Type                      Section Type 1 (New/ Rehabilitation)

10. Fees Estimate (€ million)	1.92
11. Duration (Years)	2

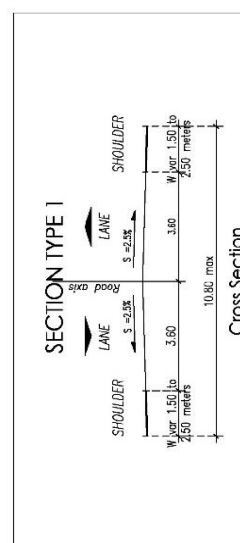
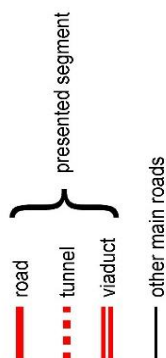
### 12. Traffic Volumes Annual Forecast

Veh\*km

## 13. Drawing Layout

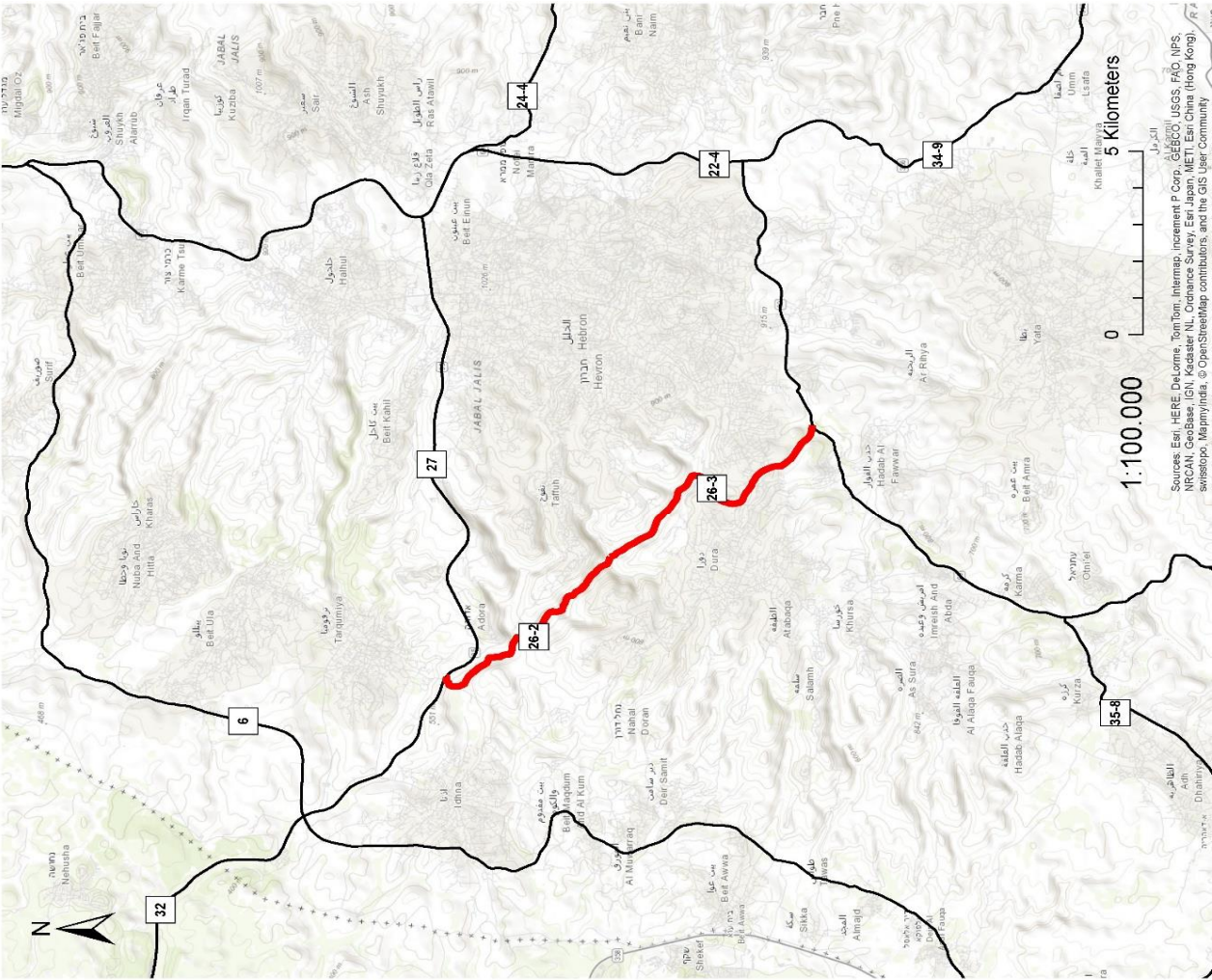


### Legend

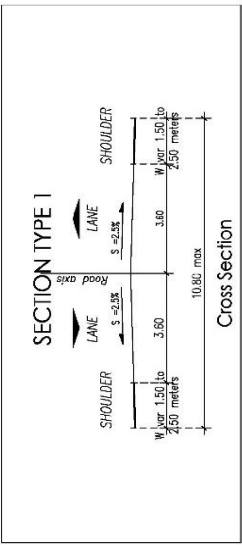
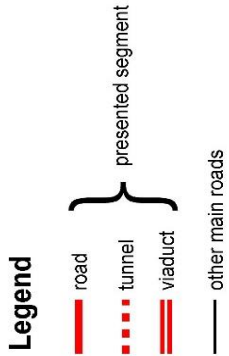
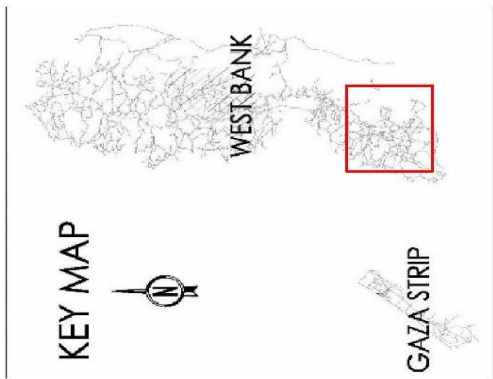


## New urban ring-roads - Jericho

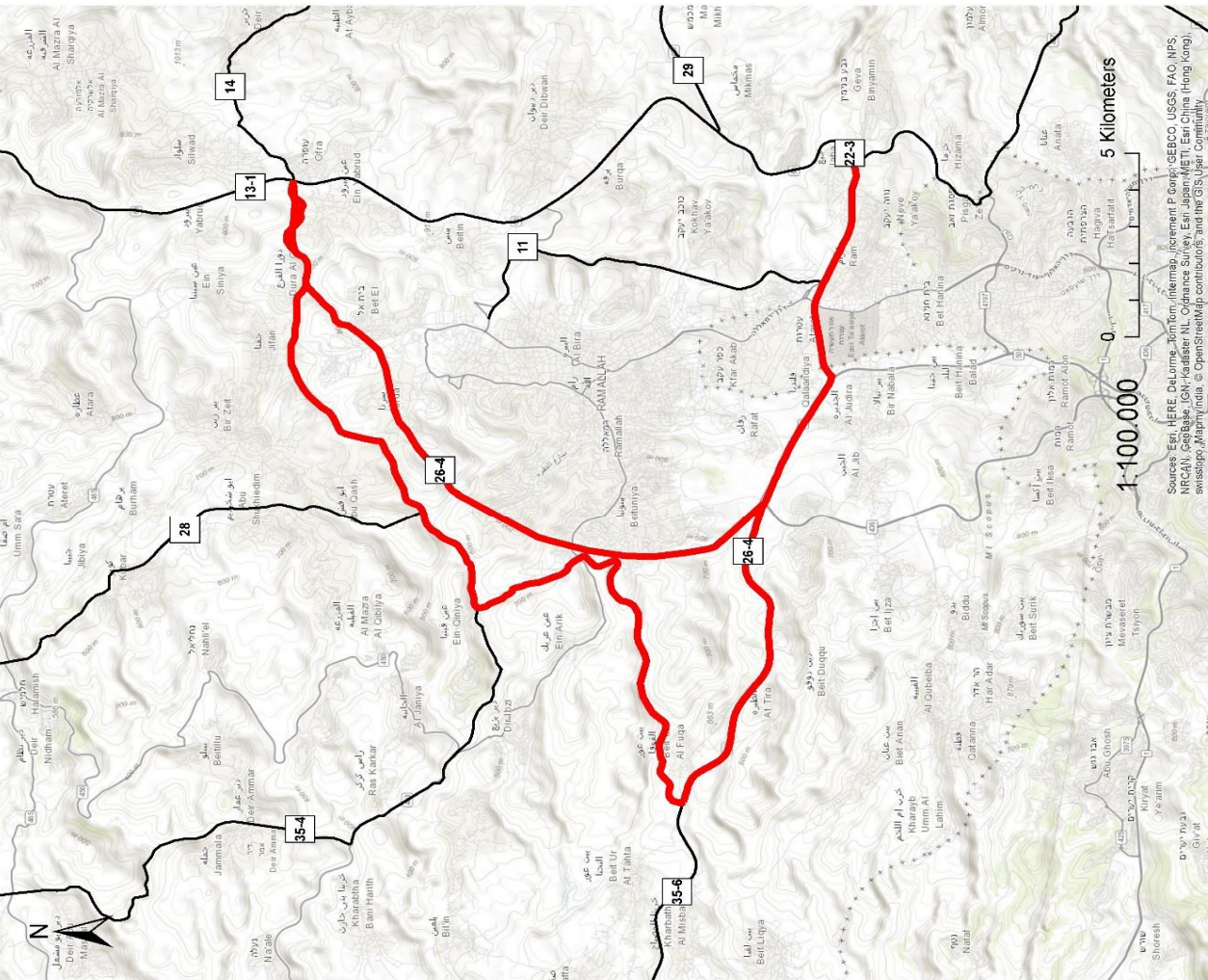




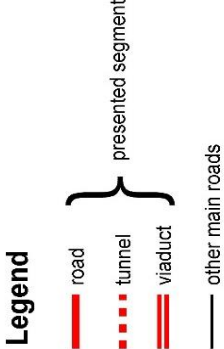
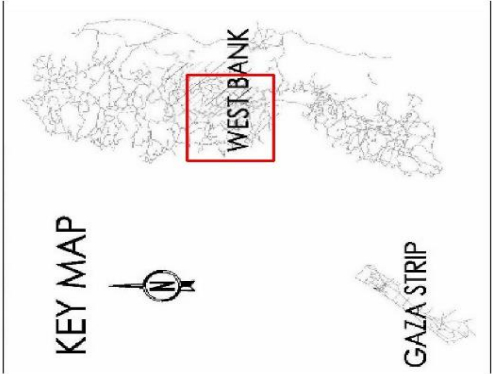
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCo, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, © OpenStreetMap contributors, and the GIS User Community



New urban ring-roads - Al Khail

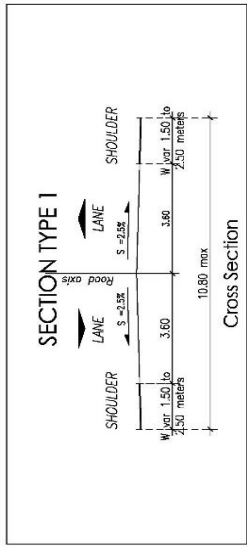
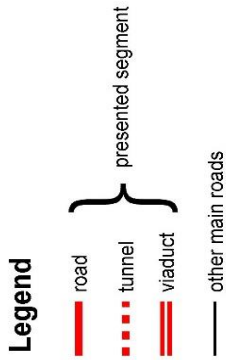
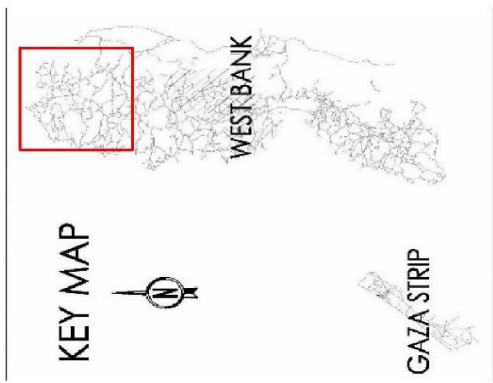
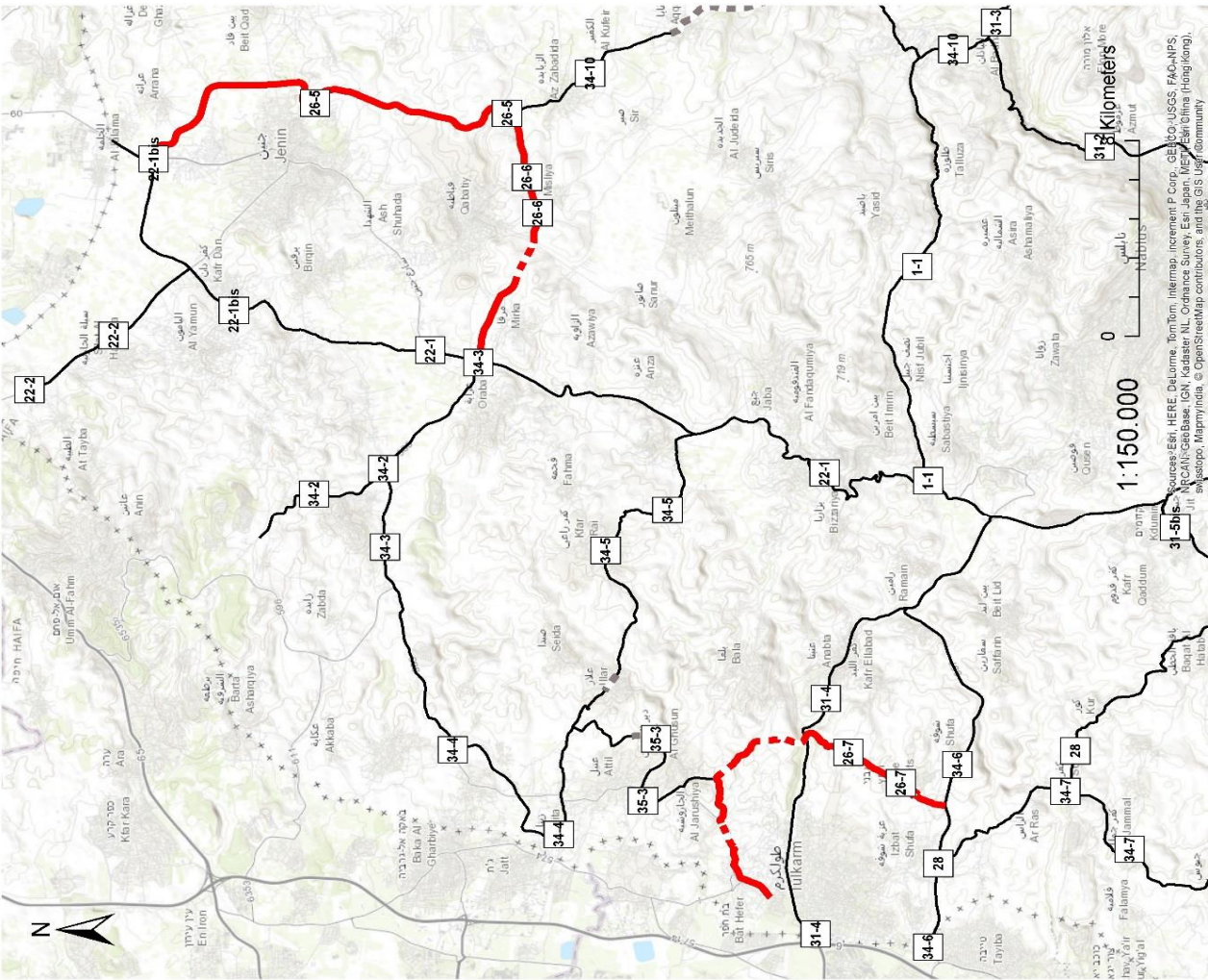


Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCO, IGN, swisstopo, Mapbox India, © OpenStreetMap contributors, and the GIS User Community



New urban ring-roads - Ramallah-Al Bireh





New urban ring-roads - Jenin - Tulkarm

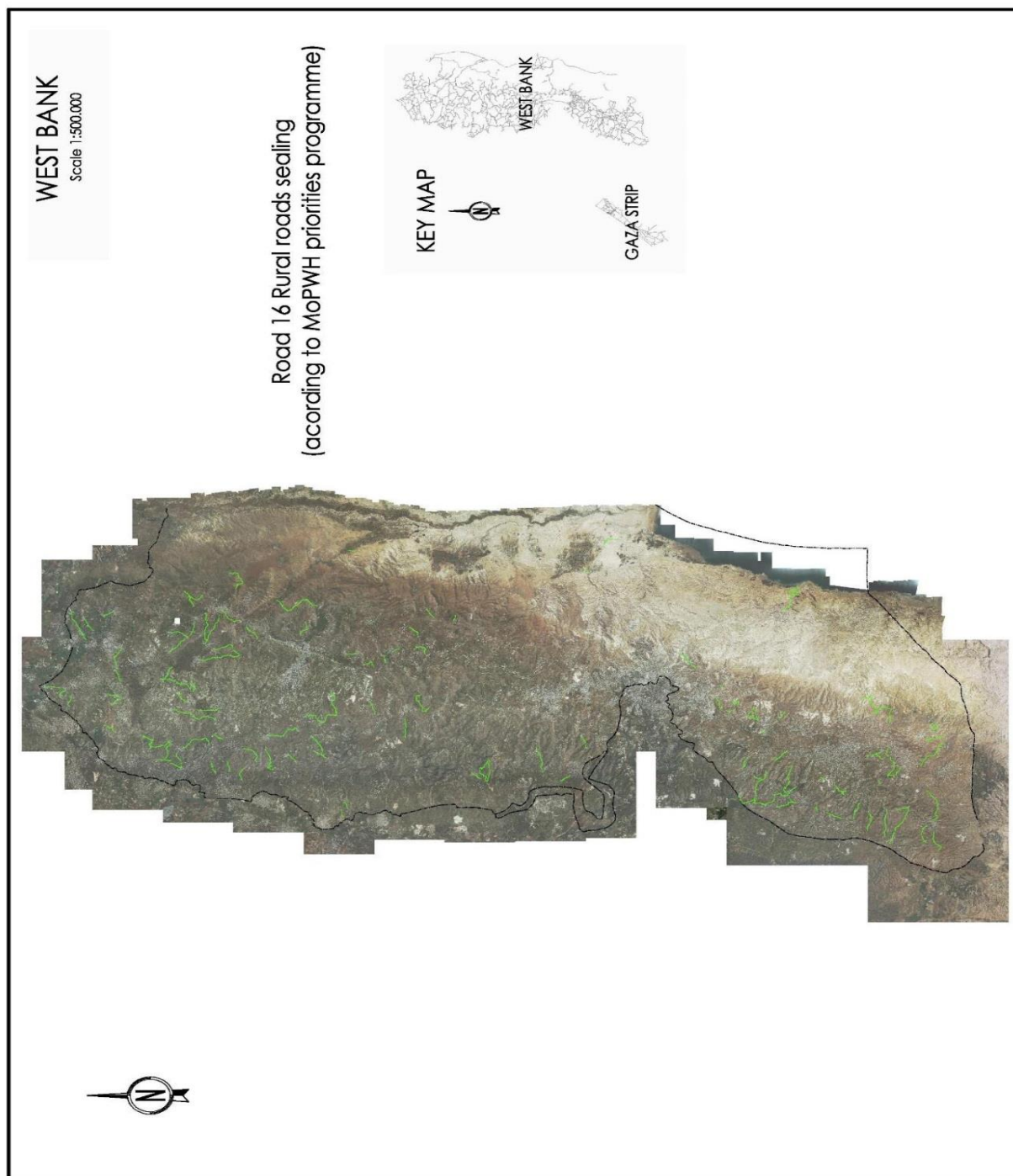
## Rural Roads Sealing - Stage 1 (40%)

In accordance with MoPW&H priorities program

### Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	The intervention will consist of bituminous paving of the existing unpaved road as prior preparation and improvement of the foundation. For the main rural roads, it involves the provision of road markings limited to warning signs.
09. Project Details	
Length (Km)	162.40
Unit Rate (mil€/Km)	0.13
Road Section Type	as per Existing Section
10. Cost Estimate (€ million)	20.30
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	
Veh*km	

### 13. Drawing Layout





# Road Asset Management & Coordination Program

## Organizational

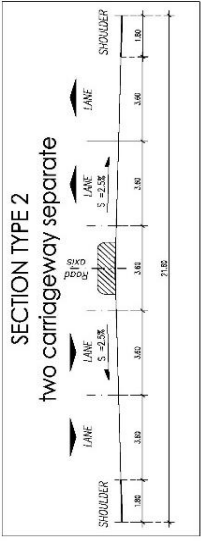
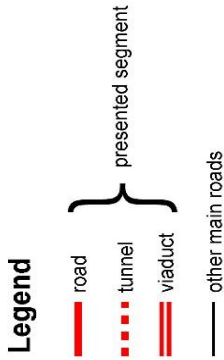
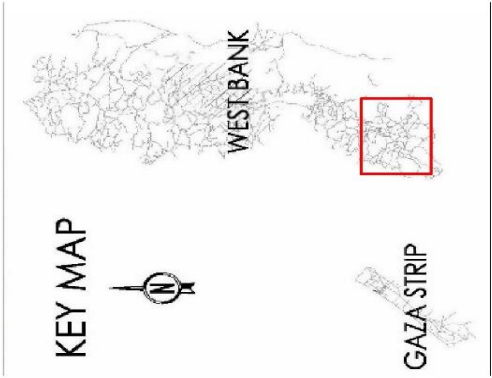
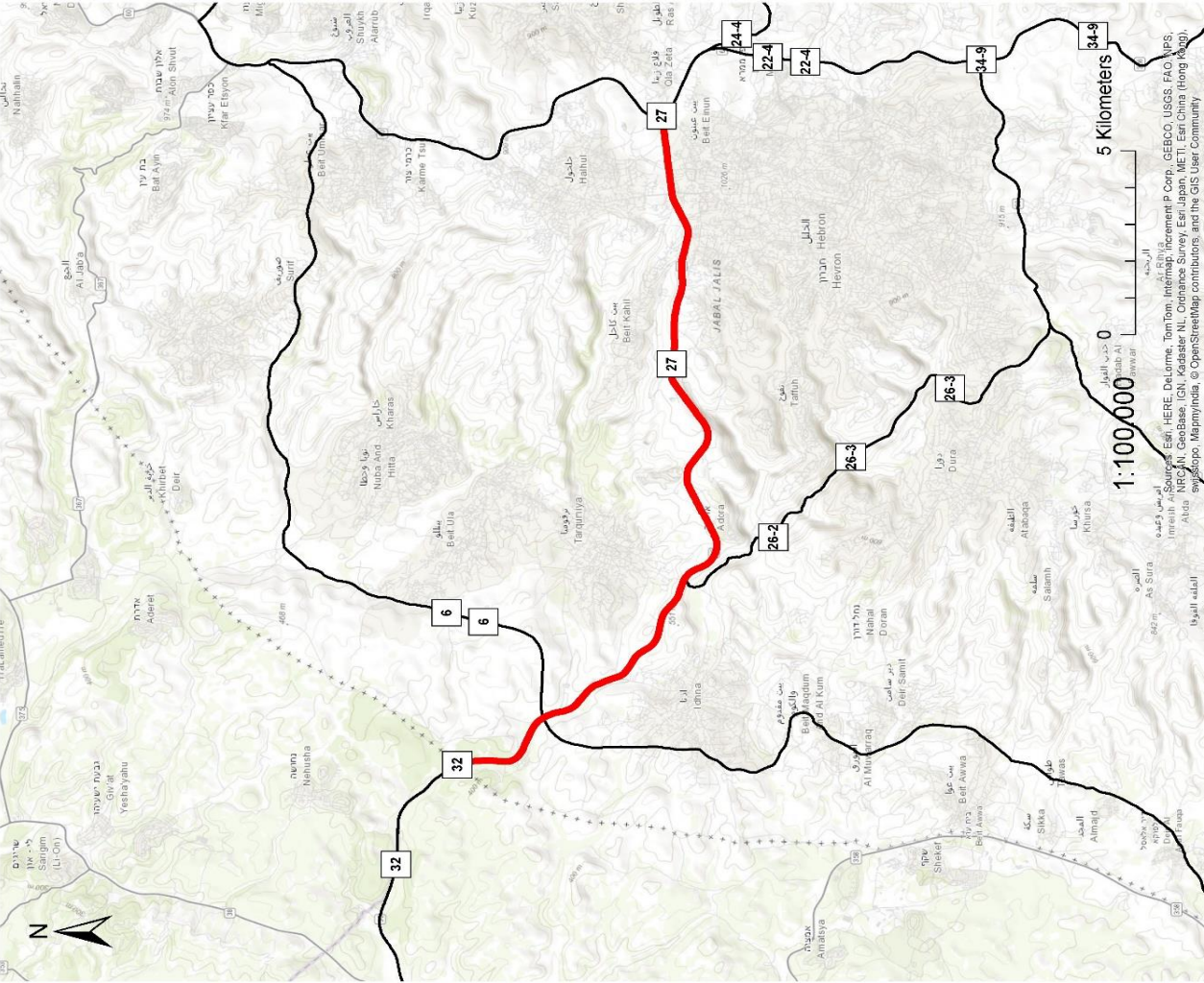
01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Organizational
04. Category	Organizational
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	<p>This project consists in a program development for road asset management and coordination. The proposed asset management standards are compliant with the British Standards Institution's (BSI) Publicly Available Specification (PAS 55). The PAS 55 requirements focus on high-level policies and procedures (strategic monitoring), dealing with the monitoring of functional or operational requirements by specific performance indicators able to investigate the level of services and, in general, reporting the real performance of a given road section.</p>
09. Project Details	
10. Fees Estimate (€ million)	1.00
11. Duration (Years)	1

## New West Bank - Gaza Strip Corridor

### New Infrastructure

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	The intervention includes detailed feasibility study, planning and design for a full technical, economical, financial, environmental, legal, juridical and operational assessment on the road-rail-utilities dedicated West Bank – Gaza Strip Corridor. The Corridor includes both roads and rail transport infrastructures along with utilities.
09. Project Details	
Length (Km)	40.2Km (Corridor) + 19Km (Tarqumiya BCP to Road n.60)
Unit Rate (mil€/Km)	
Road Section Type	Section Type 2 (New)
10. Fees Estimate (€ million)	2.50
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	
Veh*km	

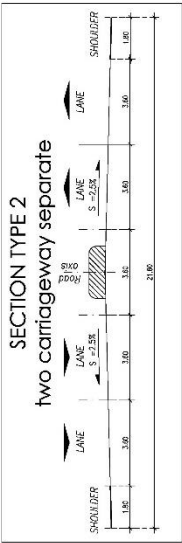
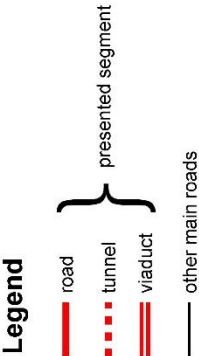
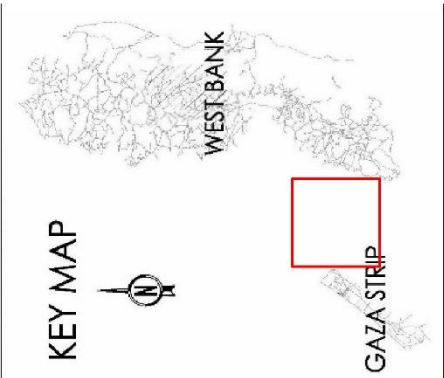
13. Drawing Layout



New Gaza - West Bank corridor



13. Drawing Layout



New West Bank - Gaza Strip Corridor

## Detailed Road Inventory and Conditions Surveying

### Organizational

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Organizational
04. Category	Organizational
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	

### 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Road Section Type

10. Fees Estimate (€ million)	1.20
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	
Veh*km	

## Roads Department Capacitation

### Organizational

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Organizational
04. Category	Organizational
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

### 08. Project Description

The action consists in restructuring, organizing and capacitating Roads Departments for planning and development, administration and management.

### 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Road Section Type

10. Fees Estimate (€ million)	1.00
11. Duration (Years)	2

### 12. Traffic Volumes Annual Forecast

Veh\*km

## Roads Total Quality

Planning, Design, Tendering and Construction

### Organizational

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Road
03. Type	Organizational
04. Category	Organizational
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	

### 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Road Section Type

10. Fees Estimate (€ million)	0.80
11. Duration (Years)	2
12. Traffic Volumes Annual Forecast	
Veh*km	



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# Capacitation of Railway Management & Operations Unit

## New Infrastructure

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Rail
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Institutional
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

The action consists in the re-organization of rail transport sector set up, management and operations unit.

## 09. Project Details

Length (Km)	0.00
Unit Rate (mil€/Km)	0.00
Section Type	N/A
10. Cost Estimate (€ million)	2.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	N/A
Pax*km	



# International Railway Network Feasibility Study

## New Infrastructure

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Rail
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

An international railway network, linking Gaza Strip and West Bank to neighbouring countries, is proposed. This rail infrastructure needs to be assessed through a feasibility study.

## 09. Project Details

Length (Km)	191.2
Unit Rate (mil€/Km)	0.00
Section Type	N/A
10. Cost Estimate (€ million)	4.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	N/A
Pax*km	

### 13. Drawing Layout



# National Railway Network Feasibility Study

## New Infrastructure

01. Location	West Bank
02. Transport Sub-Sector	Rail
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

An national railway network in West Bank and Gaza Strip is proposed. This rail infrastructure needs to be assessed through a feasibility study.

## 09. Project Details

Length (Km)	30.8+107.7=138
Unit Rate (mil€/Km)	0.00
Section Type	N/A
10. Cost Estimate (€ million)	3.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	N/A
Pax*km	

### 13. Drawing Layout



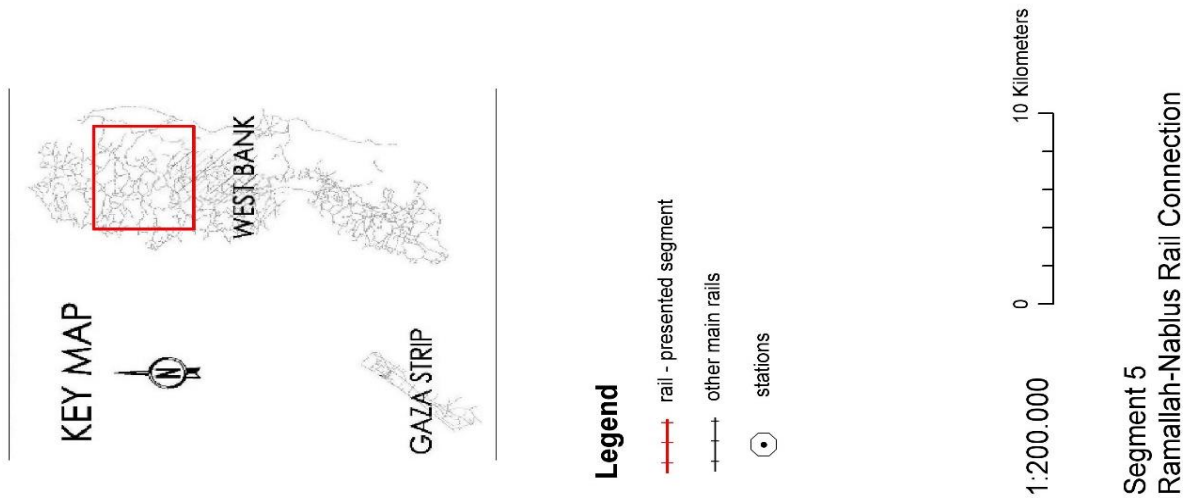
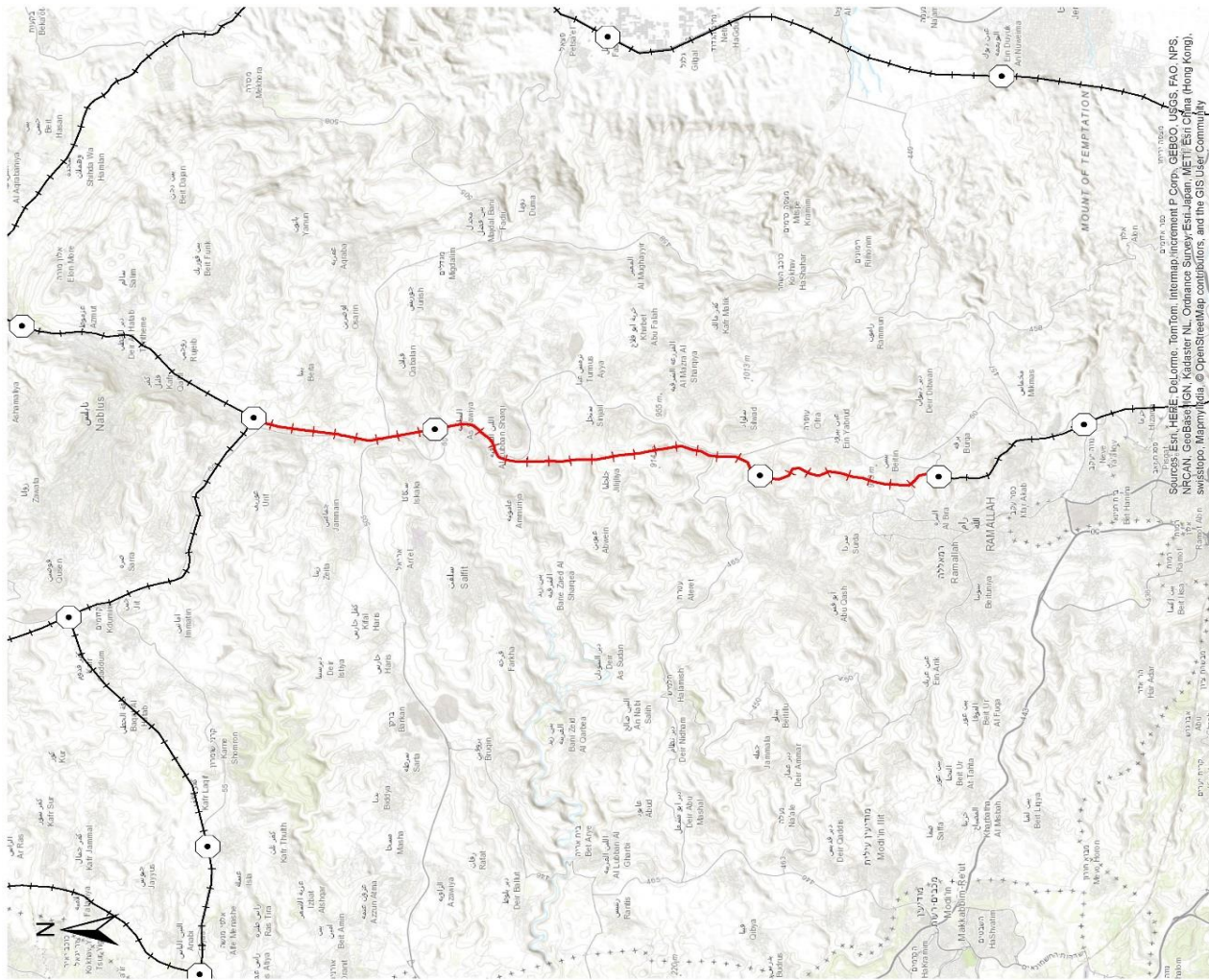
# Ramallah-Nablus Rail Connection Planning and Design

## New Infrastructure

01. Location	West Bank
02. Transport Sub-Sector	Rail
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	<p>The project consists in the planning activities for a rail infrastructure connecting the conurbation of Ramallah-Al Bireh-Beituniya with Nablus. The proposed rail infrastructure extends for almost 30 km and includes 4 stations in total: Ramallah-Al Bireh, Bir Zayt University, Salfit, and Nablus.</p> <p>In this stage still un-operative.</p> <p>In this stage still un-operative.</p>
09. Project Details	
Length (Km)	30.80
Unit Rate (mil€/Km)	0.20
Section Type	N/A
10. Cost Estimate (€ million)	4.93
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	N/A
Pax*km	



13. Drawing Layout



Segment 5  
Ramallah-Nabulus Rail Connection

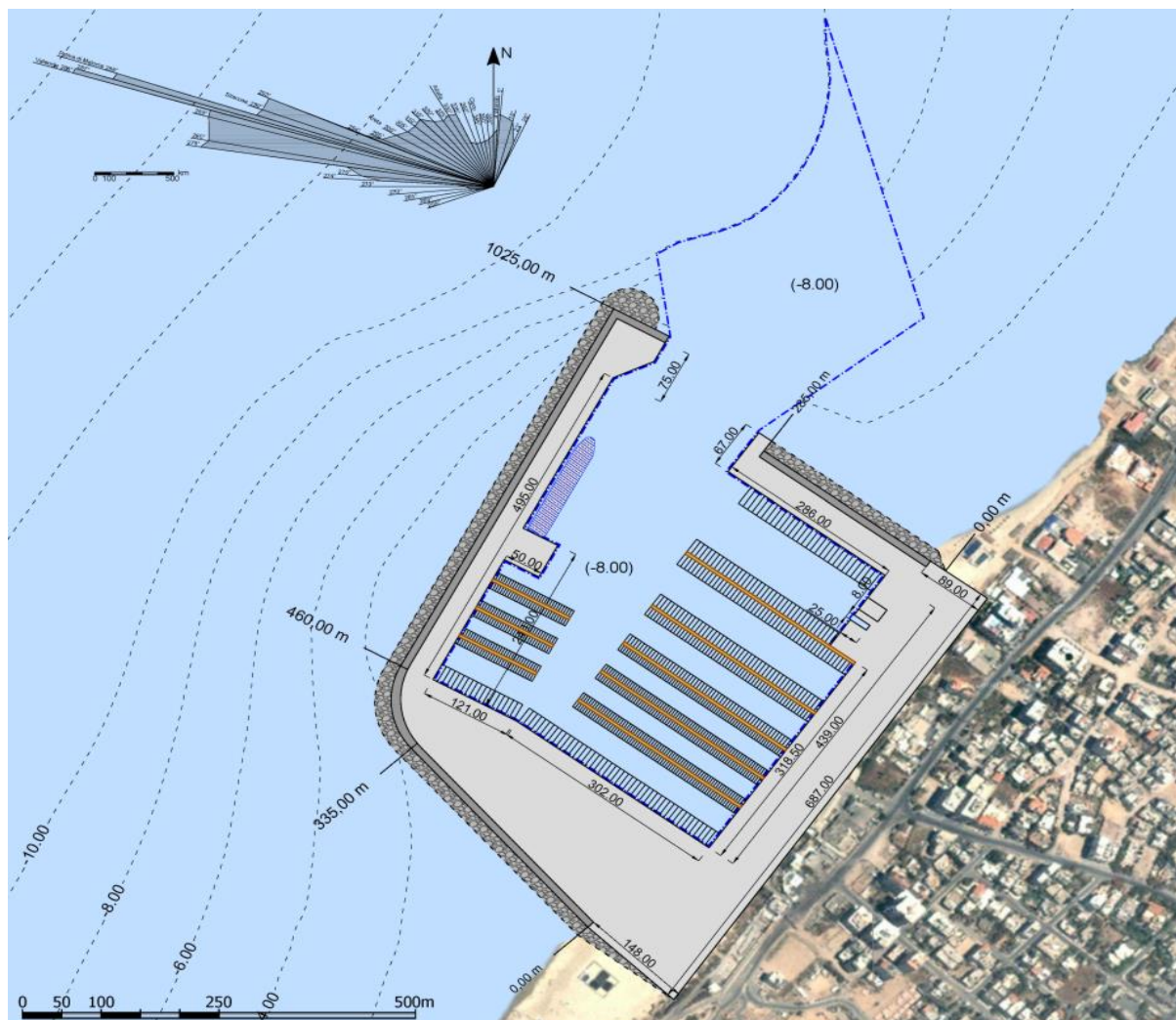
# Existing Gaza Fishery Port Restructuring - Stage 1

Emergency Commercial and Passengers Facilities and Rehabilitation of Coastal Grounds

## Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Port
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	<p>The rehabilitation of the existing port is designed to ensure fishing and commercial activities in addition to interim emergency freight transport. It includes the rehabilitation of the existing breakwaters, rehabilitation and expansion of existing quay, implementation of docks for berthing of fishing vessels, construction of facilities for ship maintenances and dredging of the basin area. The chosen layout for this phase, takes into consideration the need for slip boats, dry docks, fish processing, and water treatment plant. In particular, it accommodates a high number of fishing boat moorings.</p>
09. Project Details	
Harbor mouth width (m)	166
Harbor basin area (m2)	198,900
Operational Forecourts (m2)	156,870
Quay length (m)	1,900
Number of fishing boat moorings	895
Occupied coast length (m)	687
Depth (m)	8
10. Cost Estimate (€ million)	29.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	
tons	

### 13. Drawing Layout



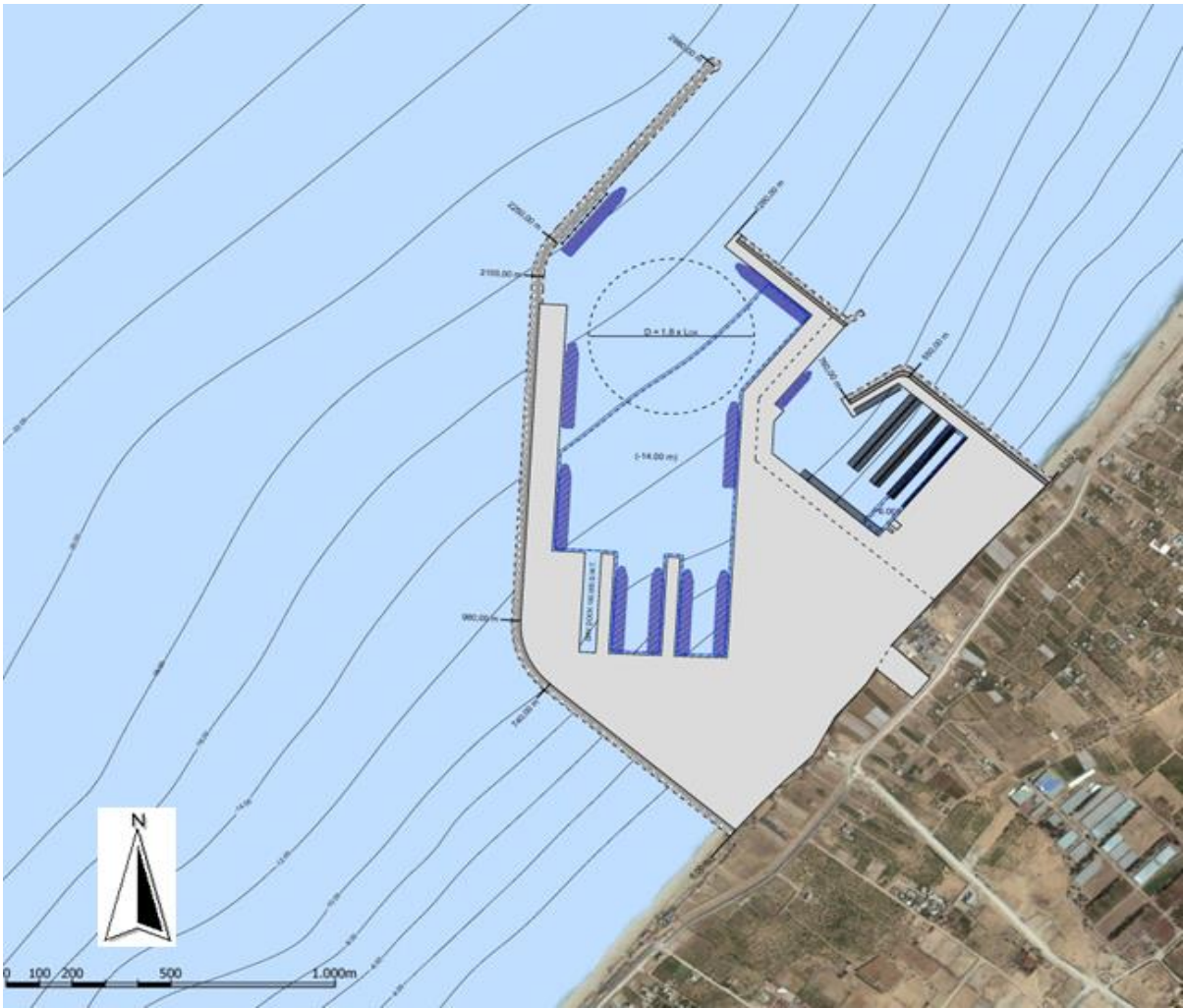
## New Gaza Strip Commercial Port

### New Infrastructure

01. Location	Gaza Strip
02. Transport Sub-Sector	Port
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	Planning, design and tender documentation preparation including: Detailed port design and Transportation planning and design of connecting roads.
09. Project Details	
Harbor mouth width (m)	380
Harbor basin area (m2)	1,063,000
Operational Forecourts (m2)	949,100
Quay length (m)	6,560
Number of fishing boat moorings	1,590
Occupied coast length (m)	14
Depth (m)	8
10. Fees Estimate (€ million)	3.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	21,700,000 (2045)
tons	



13. Drawing Layout



# Capacitation of Air Transport Administration and Operations

## Organizational

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	Airport
03. Type	Organizational
04. Category	Organizational
05. Work Stage	Institutional
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

The action consist in restructuring the civil aviation department for planning, administration and management of proposed airports

## 09. Project Details

10. Cost Estimate (€ million)	1.00
11. Duration (Years)	1.00

## 12. Traffic Volumes Annual Forecast

Pax



# Yasser Arafat Airport Rehabilitation in Gaza Strip - Stage 1 (60

Reconstruction of runway, control tower, air terminal and related facilities and connections

## Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Airport
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

This airport connects to main hubs in Europe, North Africa and the Middle East, with both passengers and cargo operations through direct flights.

It thus requires the establishment of cold storage airport facilities and dedicated heavy-duty accessibility. It has the capacity of 1,5Mppa.

## 09. Project Details

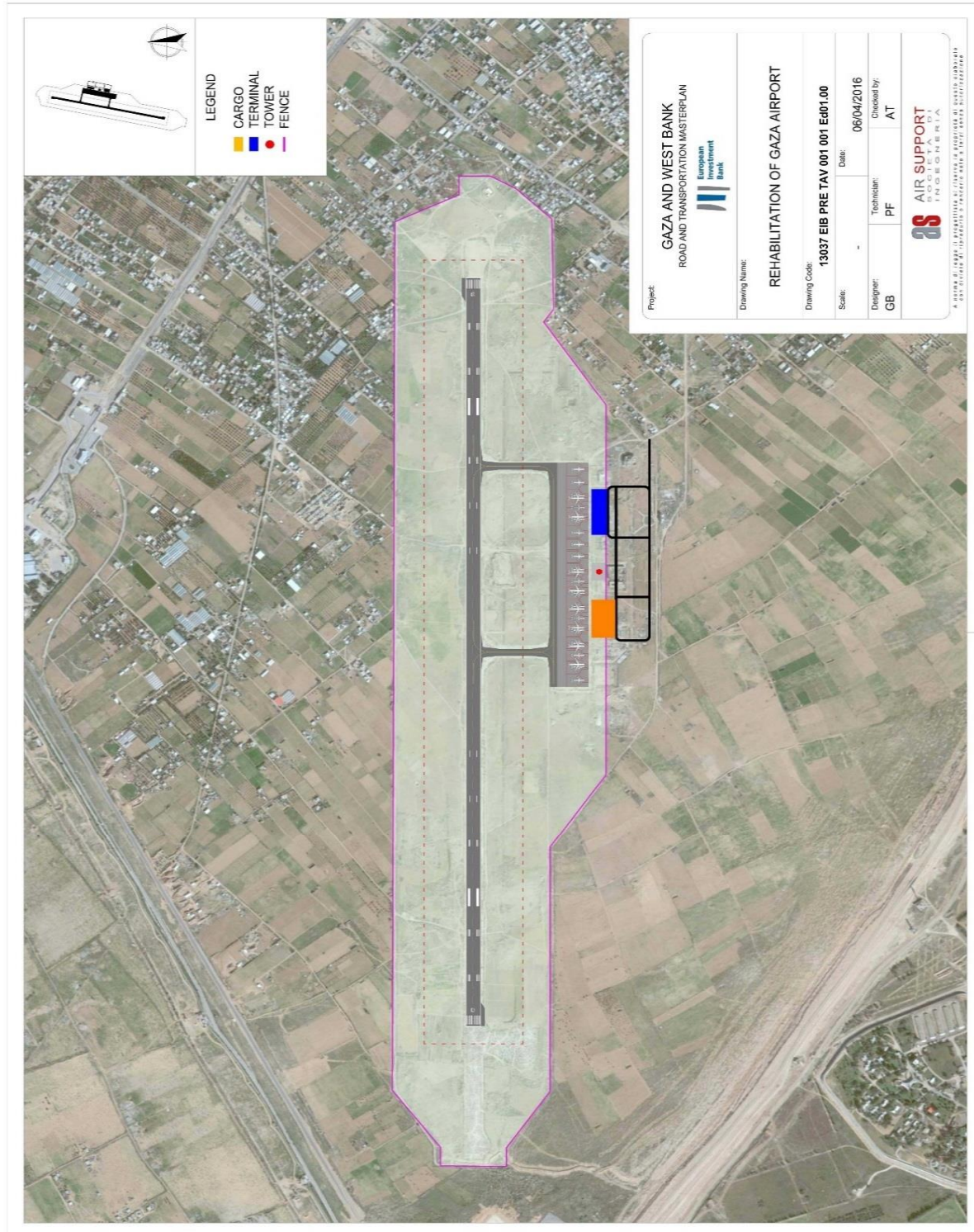
Runway Length (m)	2,500
Runway Type	4D
Terminal Facility (one floor) (m)	7,000
Cargo Facility (m)	9,000
Apron (sqm)	70,000
Total Airport Site (sqkm)	1,75

10. Cost Estimate (€ million)	35.49
11. Duration (Years)	2.00

## 12. Traffic Volumes Annual Forecast

Pax

### 13. Drawing Layout



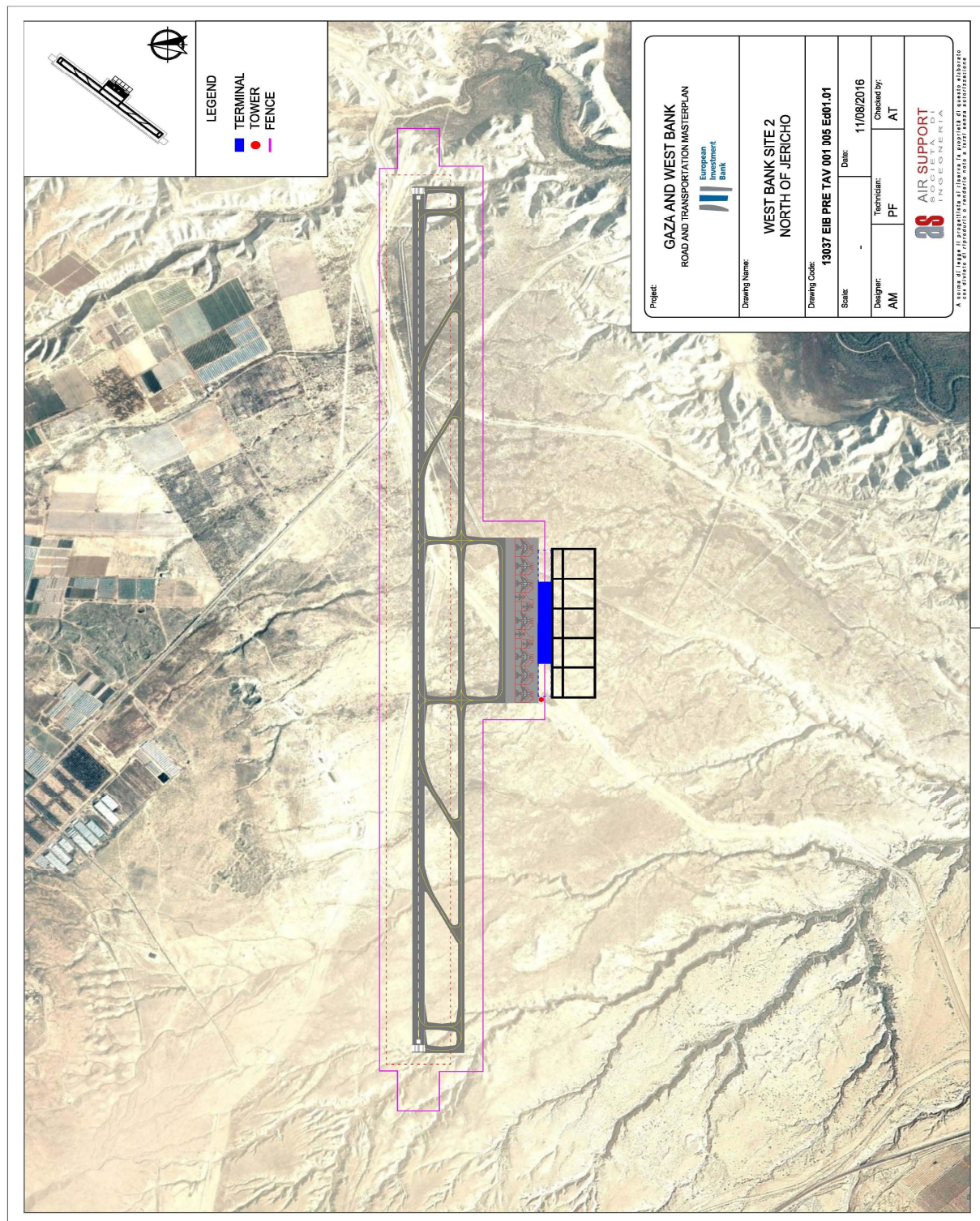


# New West Bank International Airport

## New Infrastructure

01. Location	West Bank
02. Transport Sub-Sector	Airport
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	This phase includes the Planning and design of the West Bank International Airport that serves the West Bank with connections worldwide. It has a terminal building complex for 5 million passengers per year.
09. Project Details	
Runway Length (m)	4,500
Runway Type	4F
Terminal Facility (one floor) (m)	75,000
Cargo Facility (m)	N/A
Apron (sqm)	390,000
Total Airport Site (sqkm)	2,9
10. Cost Estimate (€ million)	4.00
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	
Pax	

## 13. Drawing Layout



# Administrative Structuring of Public Transport Sector

Stakeholders competencies and roles setting at National Level

## New Infrastructure/ Service

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	PT
03. Type	Organizational
04. Category	New Infrastructure/ Service
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

This action foresees the administrative restructuring of public transport network in West Bank and Gaza Strip. It is aimed at setting stakeholders competencies and roles at national level.

## 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Section Type N/A

10. Cost Estimate (€ million)	1.50
11. Duration (Years)	2.00

## 12. Traffic Volumes Annual Forecast

Pax\*km

# Public Transport Network Detailed Study

National and Regional Links Service including fare structure

## New Infrastructure/ Service

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	PT
03. Type	Infrastructure
04. Category	New Infrastructure/ Service
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

This project consists in the planning activities for a comprehensive and integrated public transport network, providing links at two main scales: 1) Regional, and; 2) National. The planning activities include also the definition of an integrated national fare structure.

## 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

Section Type N/A

10. Cost Estimate (€ million)	1.00
11. Duration (Years)	2.00

## 12. Traffic Volumes Annual Forecast

Pax\*km



# Public Transport Design for New hubs, Stations and Stops

National and Regional Links Service

## New Infrastructure/ Service

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	PT
03. Type	Infrastructure
04. Category	New Infrastructure/ Service
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

## 08. Project Description

This project foresees the planning and design of public transport facilities (namely hubs, stations and stops) to be used in the new public transport network, both at regional and national level. The proposed public transport network comprises 5 hubs and 28 major stations.

## 09. Project Details

Length (Km)

Unit Rate (mil€/Km)

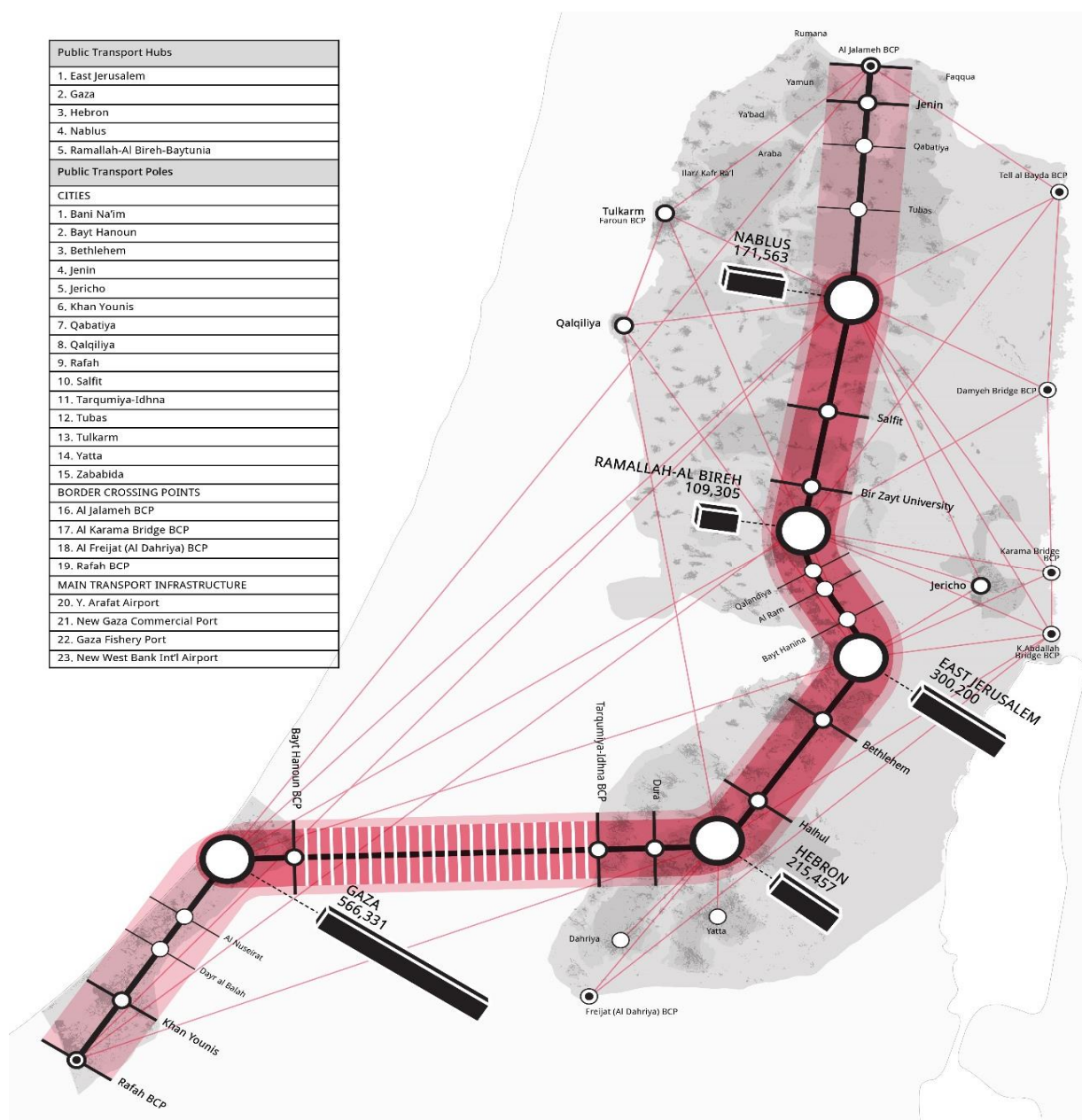
Section Type N/A

10. Cost Estimate (€ million)	1.00
11. Duration (Years)	2.00

## 12. Traffic Volumes Annual Forecast

Pax\*km

## 13. Drawing Layout

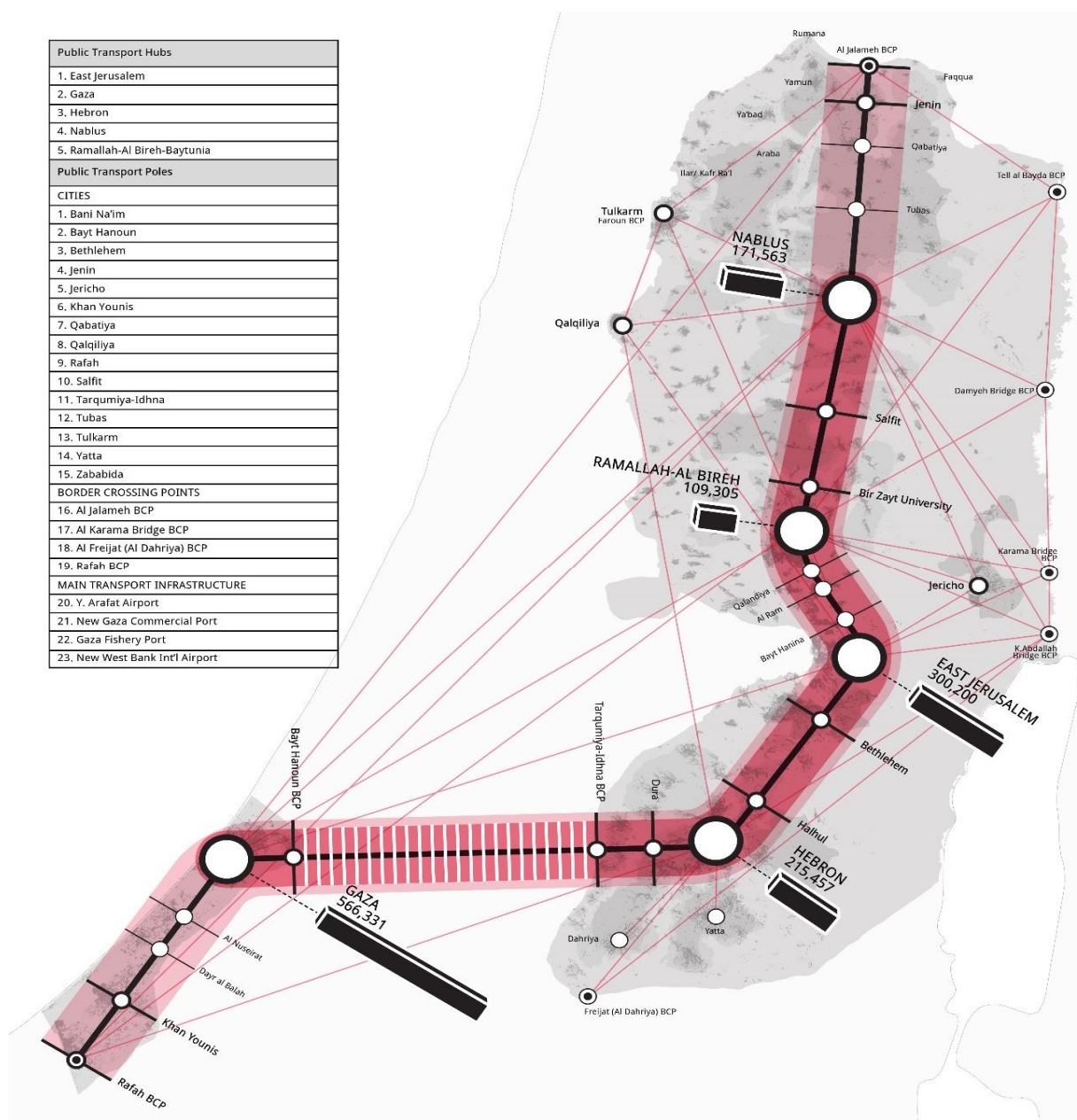


## Temporary Refurbishment of Major hubs and stations

### New Infrastructure/ Service

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	PT
03. Type	Infrastructure
04. Category	New Infrastructure/ Service
05. Work Stage	Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	<p>This project consists in the realization of refurbishment plans for 5 major hubs and 28 major stations of the planned new public transport network. The refurbishment plan gives priority to the major hubs, to be located in the following cities: Nablus, Ramallah/ Al Bireh, East Jerusalem, Hebron, Gaza City. For each hub a BRT network of 18 km is proposed.</p>
09. Project Details	
Number of Hubs and Stations	10
Unit Rate (mil€/Km)	0.04
Section Type	N/A
10. Cost Estimate (€ million)	0.40
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	
Pax*km	

## 13. Drawing Layout



# Tulkarm-Faroun Border Crossing

Upgrade to Category A

## Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	Medium

## 08. Project Description

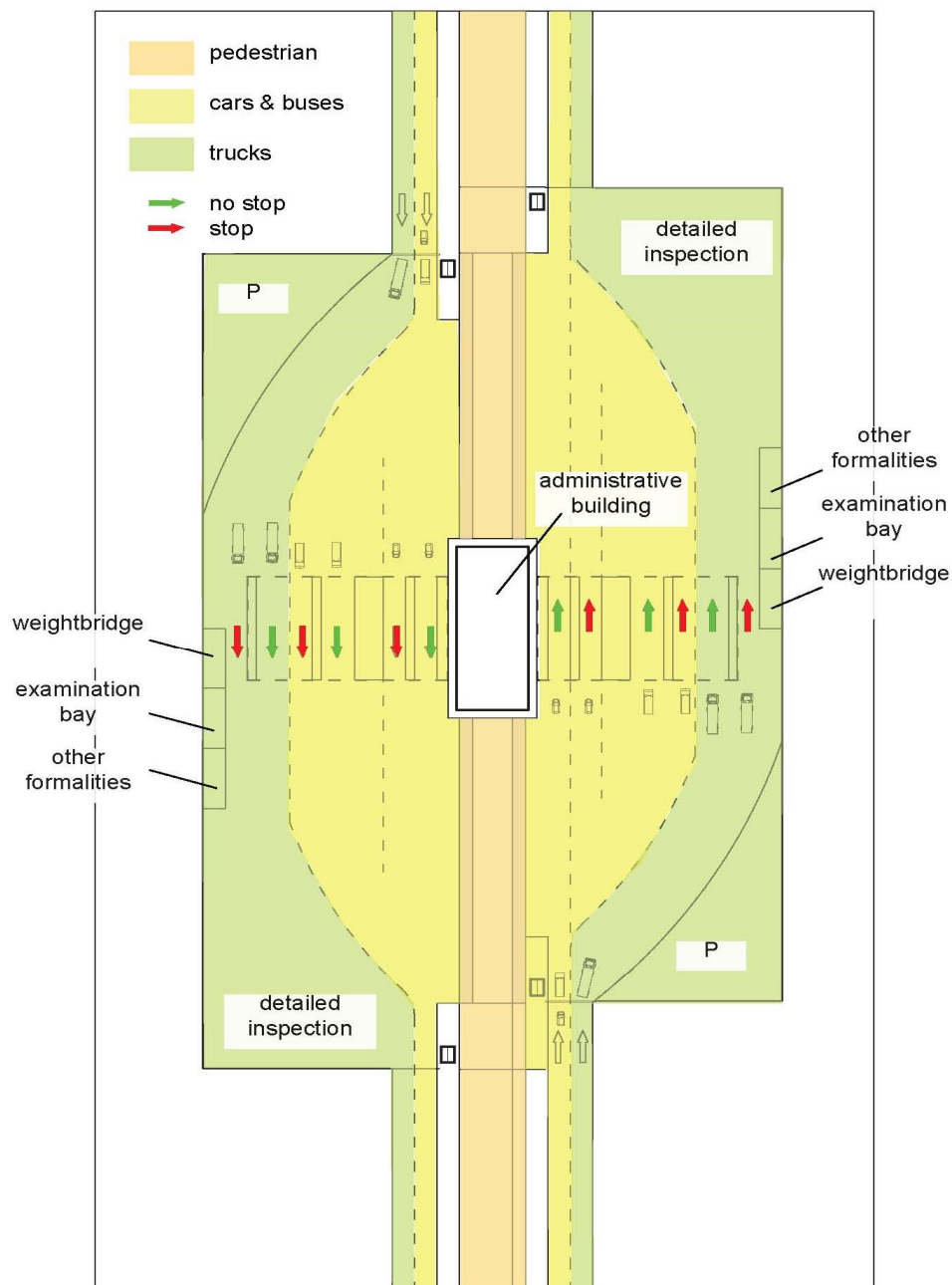
Rehabilitation of the existing border crossing point through improvement of the open space, construction of new facilities and covered platforms and introducing new equipment and technologies for security checks of passengers and freight.

## 09. Project Details

Land Acquisition (sqm)	0
Open Space (sqm)	20000
Buildings (sqm)	3000
Covered Platforms (sqm)	1500
Fencing (lm)	0
Equipment Mark up (%)	10%
10. Cost Estimate (€ million)	3.97
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	1,318,140
Veh	



### 13. Drawing Layout



# Damyeh Border Crossing

Upgrade to Category A

## Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	Medium

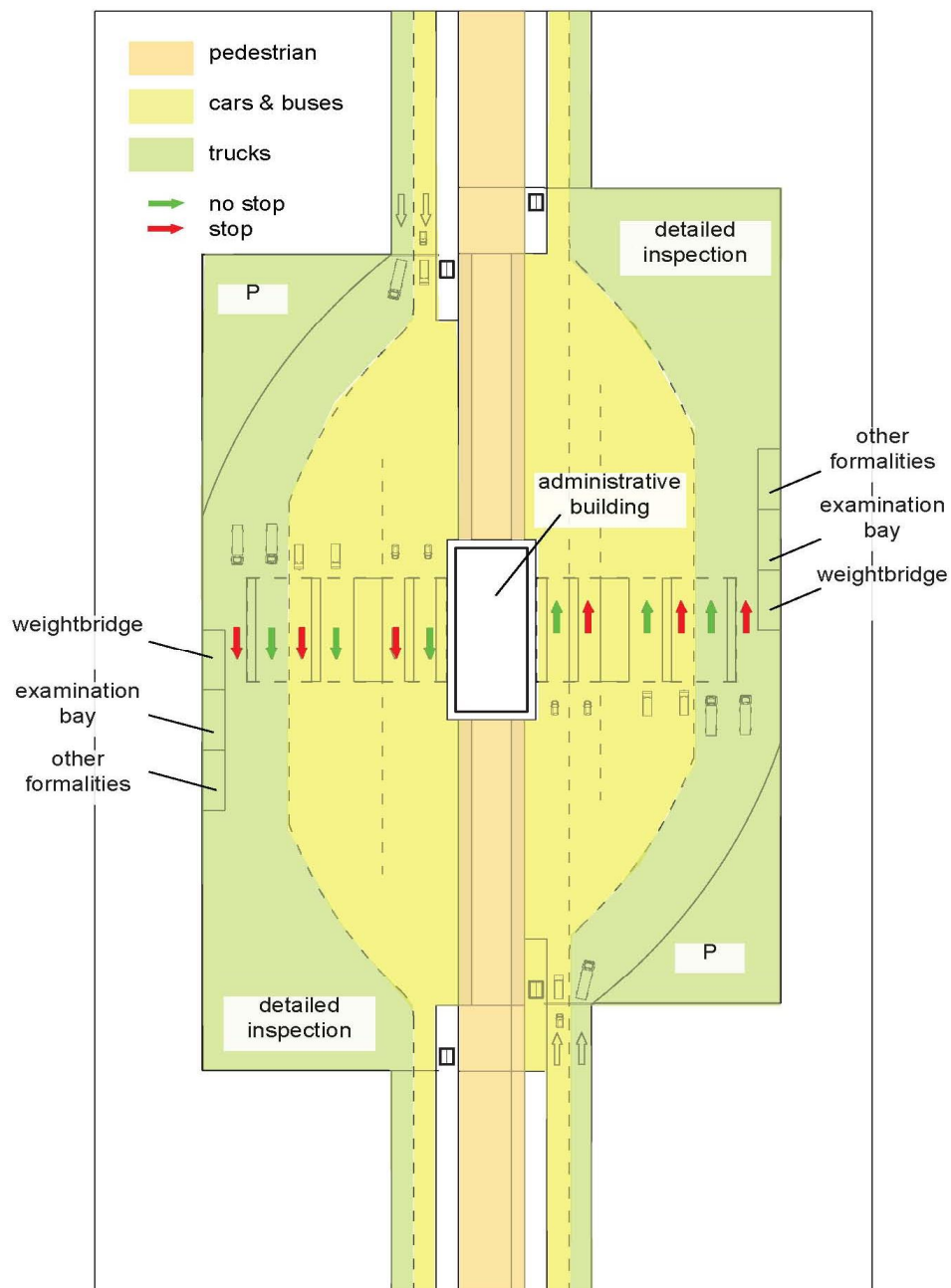
### 08. Project Description

Implementation of a new border crossing point through acquisition of land, improvement of the open space, construction of new facilities and covered platforms, adding fences and introducing new equipment and technologies for security checks of passengers and freight.

### 09. Project Details

Land Acquisition (sqm)	50000
Open Space (sqm)	50000
Buildings (sqm)	1500
Covered Platforms (sqm)	1500
Fencing (lm)	1000
Equipment Mark up	10%
10. Cost Estimate (€ million)	4.58
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	517,561
Veh	

### 13. Drawing Layout



## Karama Bridge Border Crossing

Upgrade to Category A

### Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	High

### 08. Project Description

Rehabilitation of the existing border crossing point through improvement of the open space, construction of new facilities and covered platforms and introducing new equipment and technologies for security checks of passengers and freight.

### 09. Project Details

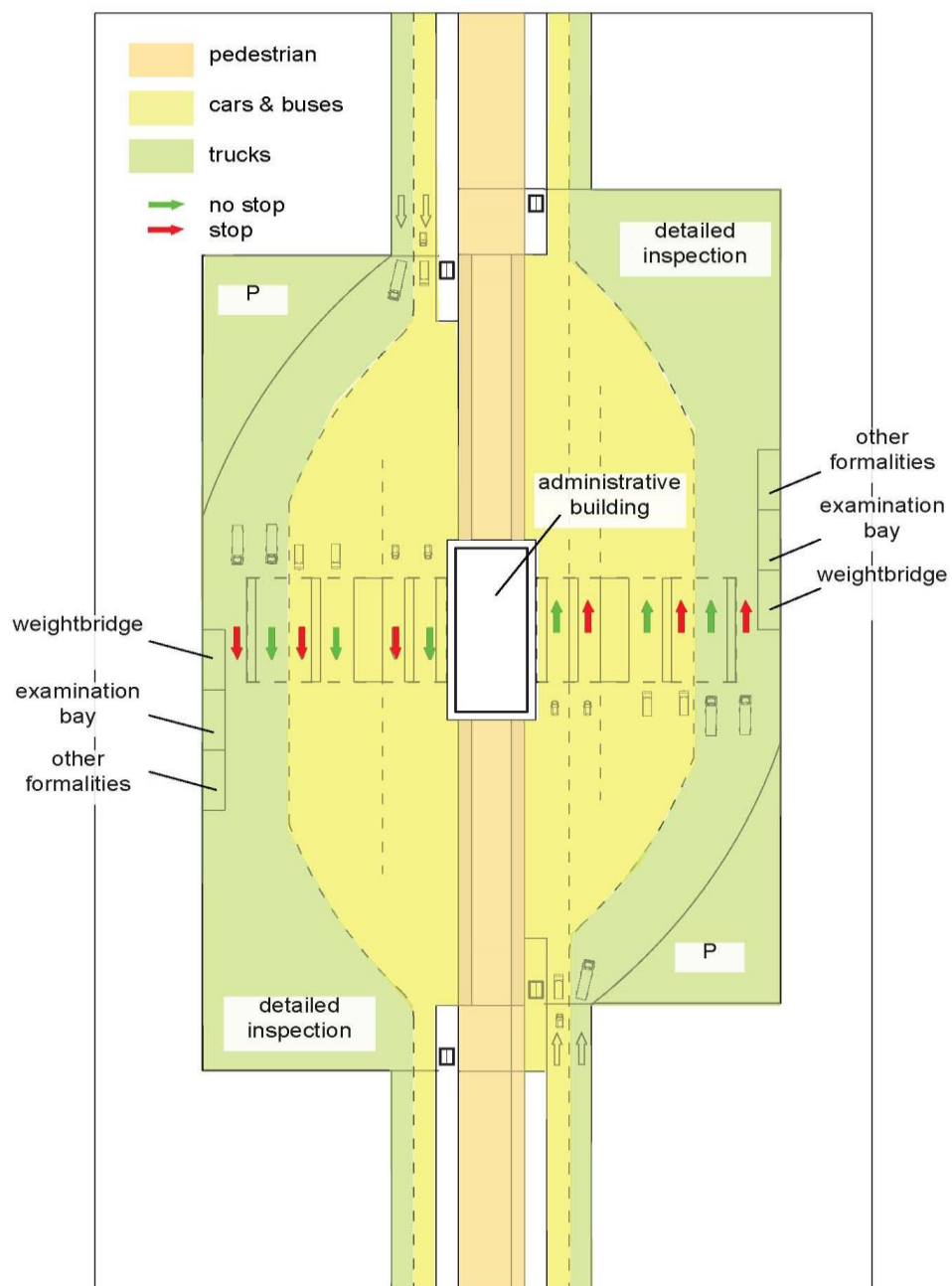
Land Acquisition (sqm)	0
Open Space (sqm)	60000
Buildings (sqm)	1000
Covered Platforms (sqm)	1500
Fencing (lm)	0
Equipment Mark up	10%
10. Cost Estimate (€ million)	4.65
11. Duration (Years)	2.00

### 12. Traffic Volumes Annual Forecast

Veh



### 13. Drawing Layout





# Tarqumiya Border Crossing

Upgrade to Category A

## Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	High

### 08. Project Description

Rehabilitation of the existing border crossing point through improvement of the open space, construction of new facilities and covered platforms and introducing new equipment and technologies for security checks of passengers and freight.

### 09. Project Details

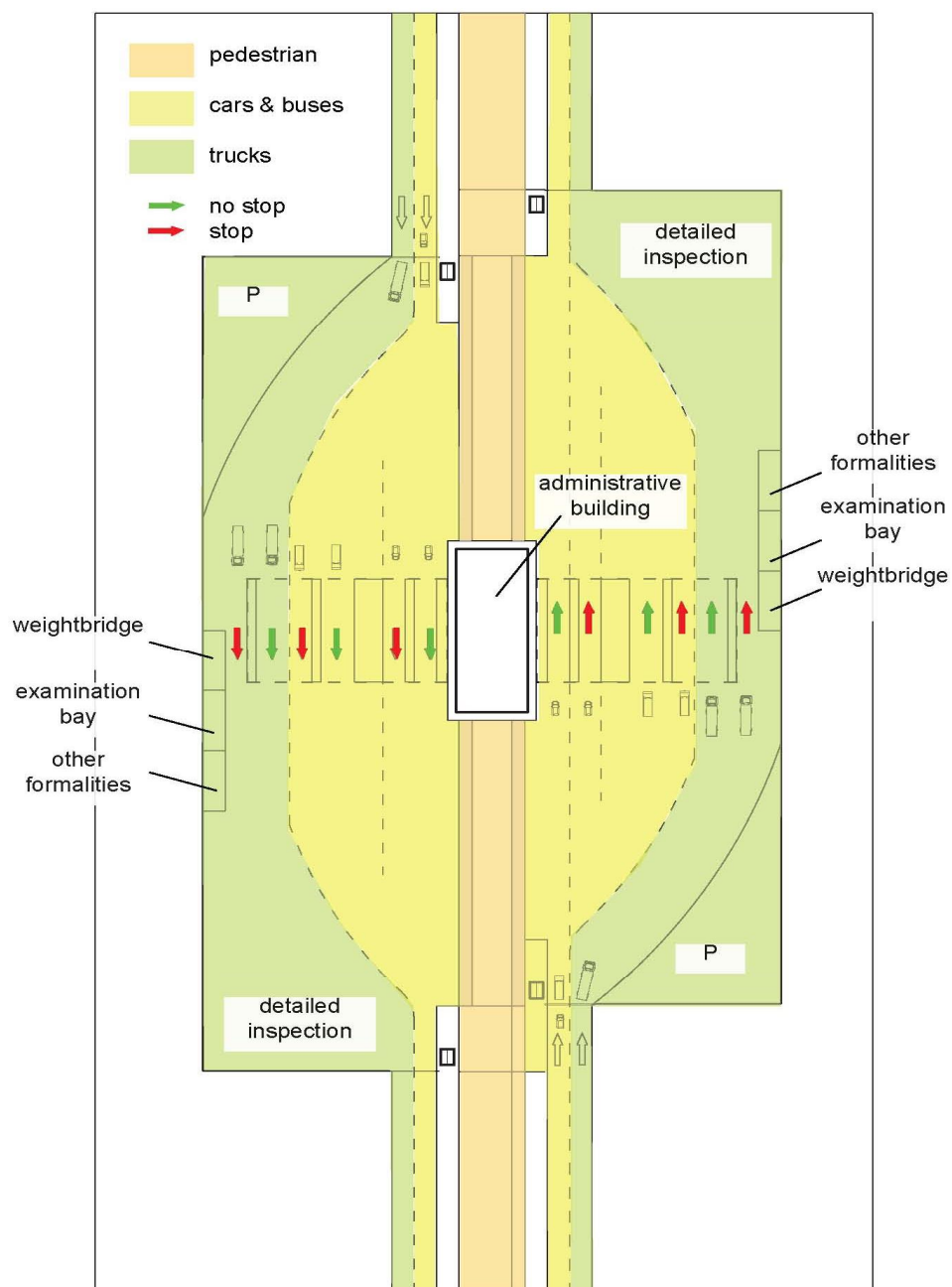
Land Acquisition (sqm)	0
Open Space (sqm)	20000
Buildings (sqm)	1000
Covered Platforms (sqm)	1500
Fencing (lm)	0
Equipment Mark up	10%

10. Cost Estimate (€ million)	2.65
11. Duration (Years)	2.00

### 12. Traffic Volumes Annual Forecast

Veh

### 13. Drawing Layout



## Beituniya Border Crossing

Upgrade to Category A

### Rehabilitation/ Upgrade

01. Location	West Bank
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	N/A (temporary)

### 08. Project Description

This border crossing point is not a final BCP, but a temporary solution until the final layout of East Jerusalem area. So the Master Plan proposes a simple rehabilitation of the existing border crossing point through acquisition of land, improvement of the open space, construction of new facilities and covered platforms, adding fences and introducing new equipment and technologies for security checks of passengers and freight.

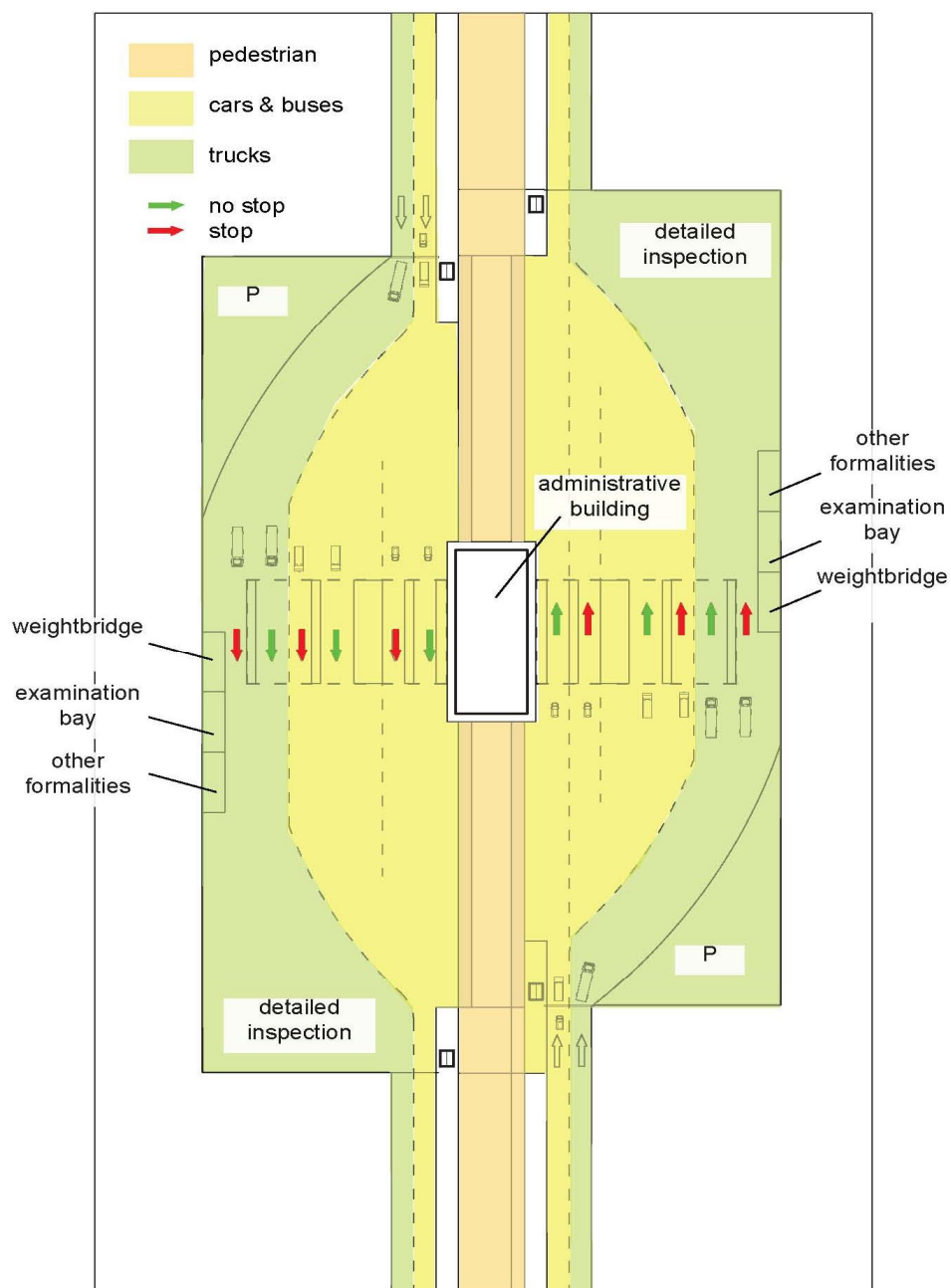
### 09. Project Details

Land Acquisition (sqm)	15000
Open Space - Rehabilitation (sqm)	25000
Open Space - New (sqm)	15000
Buildings (sqm)	1500
Covered Platforms (sqm)	1500
Fencing (lm)	1000
Equipment Mark up	10%
10. Cost Estimate (€ million)	4.83
11. Duration (Years)	2.00

### 12. Traffic Volumes Annual Forecast

Veh

### 13. Drawing Layout





# Rafah Border Crossing

Upgrade to Category A

## Rehabilitation/ Upgrade

01. Location	Gaza Strip
02. Transport Sub-Sector	Border Crossing
03. Type	Infrastructure
04. Category	Rehabilitation/ Upgrade
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	Medium

## 08. Project Description

Rehabilitation of the existing border crossing point through improvement of the open space, construction of new facilities and covered platforms, adding fences and introducing new equipment and technologies for security checks of passengers and freight.

## 09. Project Details

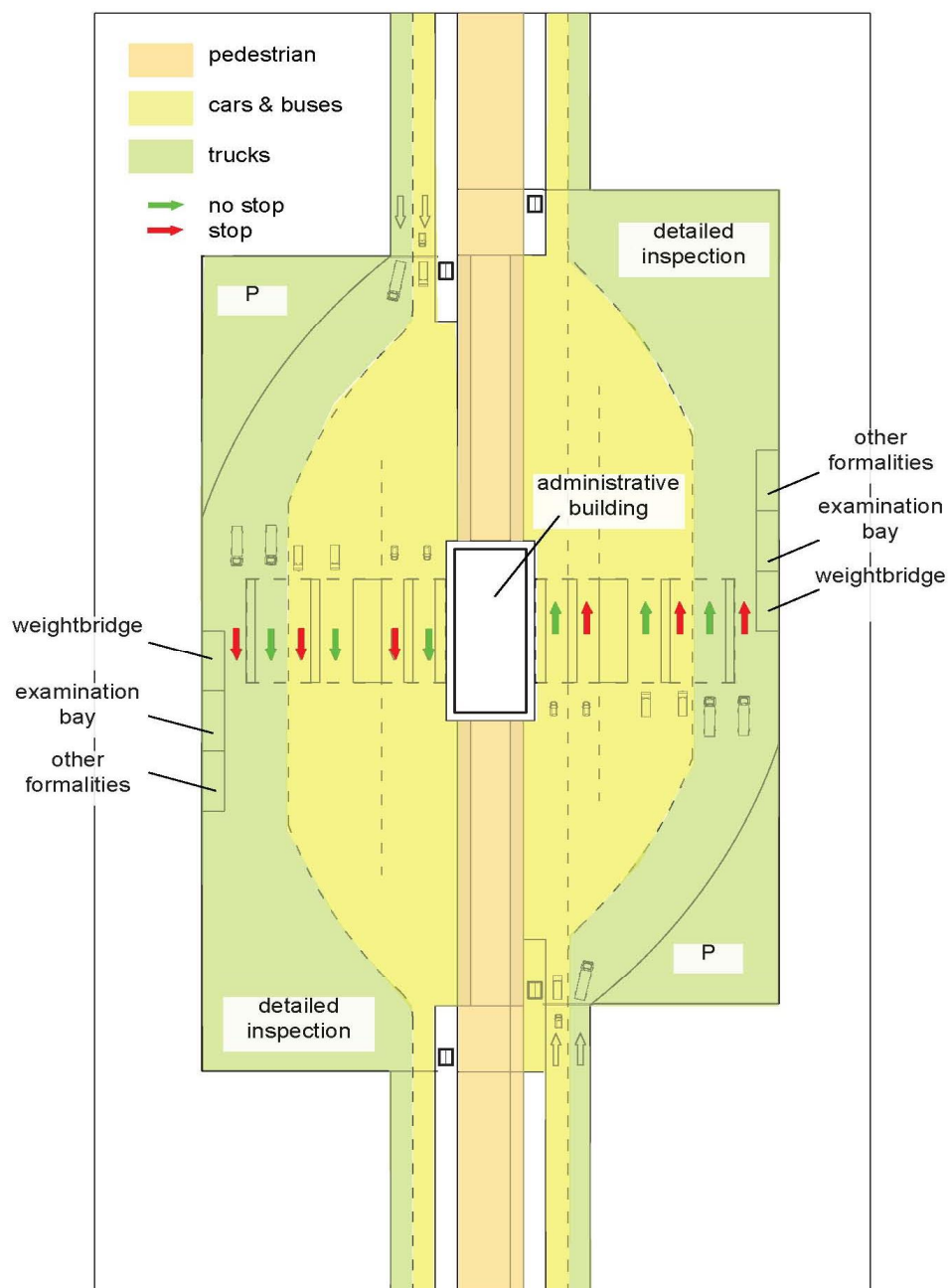
Land Acquisition (sqm)	0
Open Space (sqm)	30000
Buildings (sqm)	3000
Covered Platforms (sqm)	1500
Fencing (lm)	1000
Equipment Mark up	10%
10. Cost Estimate (€ million)	4.57
11. Duration (Years)	2.00

## 12. Traffic Volumes Annual Forecast

Veh



### 13. Drawing Layout

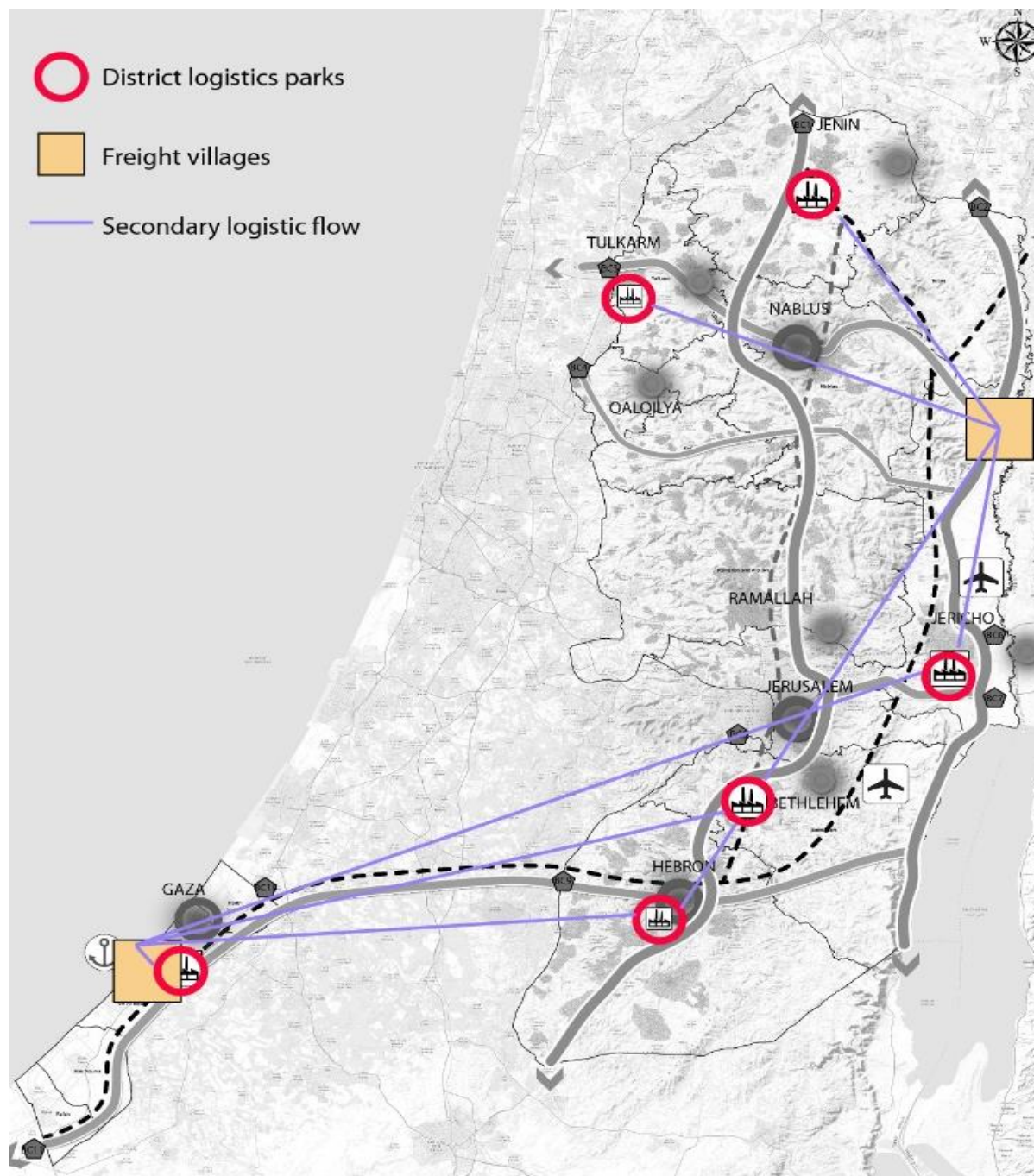


## Detailed Feasibility Study of Logistics Network

### New Infrastructure

01. Location	West Bank & Gaza Strip
02. Transport Sub-Sector	logistics
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Planning/ Design
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	
08. Project Description	<p>The feasibility study of the logistics network implies the detailed assessment of both district and national logistics areas. The planning activities include:</p> <ul style="list-style-type: none"><li>- freight demand forecast</li><li>- infrastructural assessment (roads and utilities requirements)</li><li>- distribution and location plan</li><li>- building program and requirements settings</li><li>- management and operational scheme development</li></ul>
09. Project Details	
10. Cost Estimate (€ million)	1.50
11. Duration (Years)	2.00
12. Traffic Volumes Annual Forecast	

### 13. Drawing Layout





## Damyeh National Logistics Area - Stage 1 (50%)

National Warehouses

### New Infrastructure

01. Location	West Bank
02. Transport Sub-Sector	logistics
03. Type	Infrastructure
04. Category	New Infrastructure
05. Work Stage	Design/ Construction
06. Phase	Phase 1A (2016-2018)
07. Priority (ranking)	

### 08. Project Description

In initial stage, the national warehouses are logistics areas focused on import-export trade and equipped to storage logistics flows of multi-products nature and in relationship with many clients, from West Bank, Gaza Strip and abroad. According to the planned freight flows of West Bank and Gaza Strip and the specific features of import-export goods, the Master Plan envisages 100,000 sqm as the maximum surface to be organized into the following functional areas: storage, re-work and postponement activities and transit point.

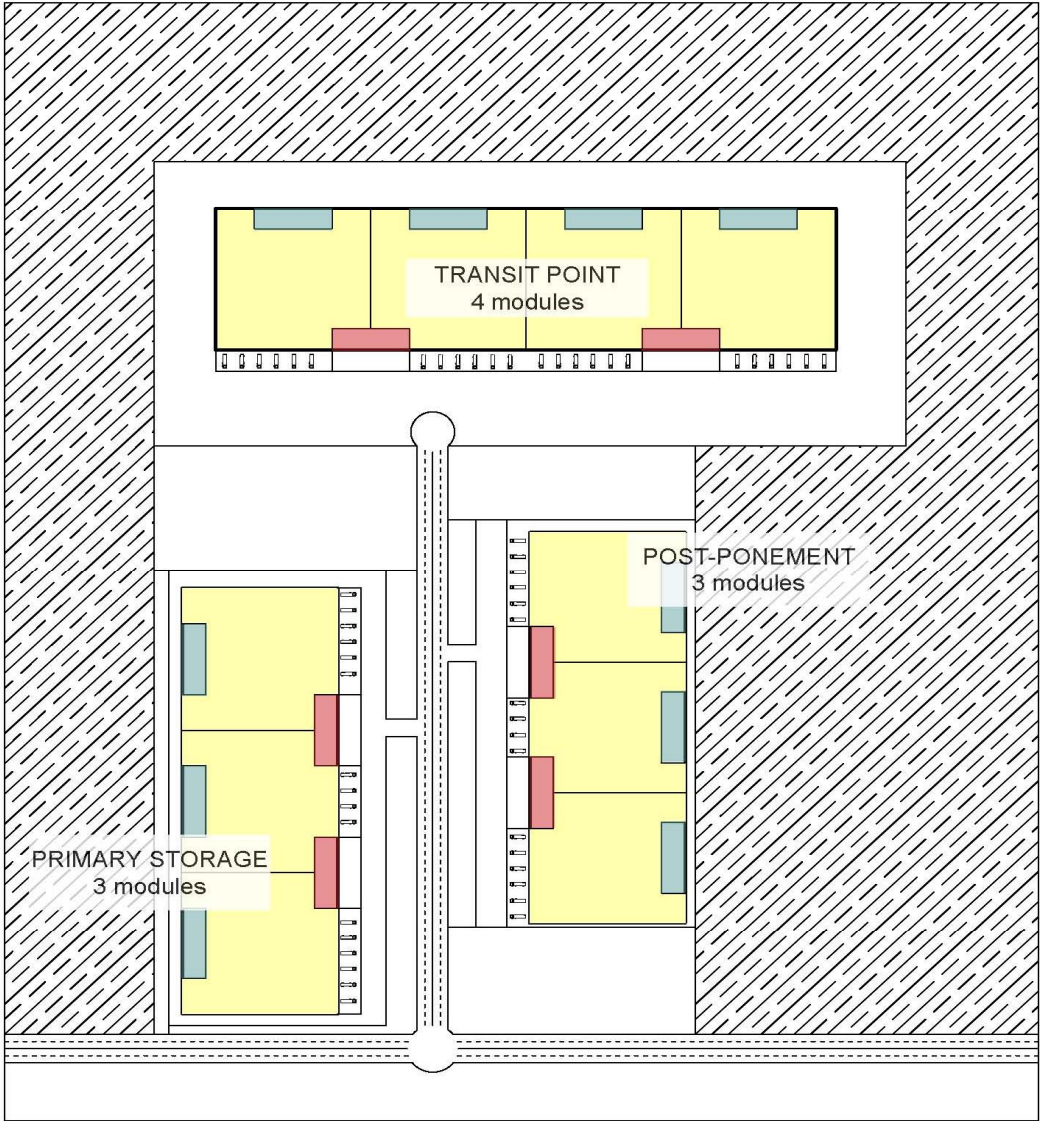
### 09. Project Details

10. Cost Estimate (€ million)	10.15
11. Duration (Years)	6.00

### 12. Traffic Volumes Annual Forecast

13. Drawing Layout

NATIONAL WAREHOUSES



- warehouses
- offices
- facilities