

Graduation project Nablus transit city

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First stage:
 Current situation of Nablus city and its importance



The importance of Nablus city on the National level



The city boundaries during the British governance period.





The city boundaries
during the Jordanian
governance period





The city boundaries during the Palestinian governance period



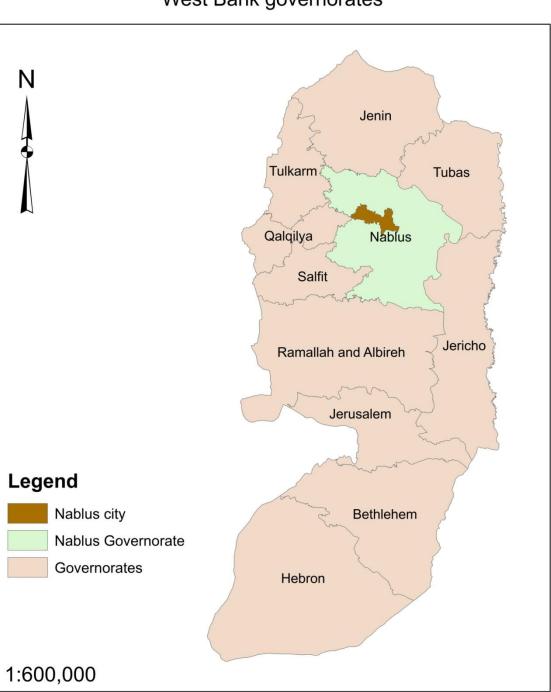


Nablus governorate location according to other West Bank governorates.

The center of the northern part.



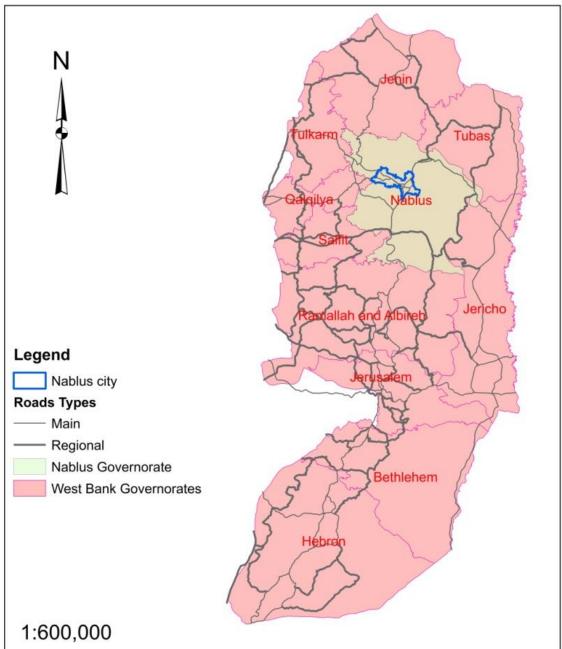
West Bank governorates



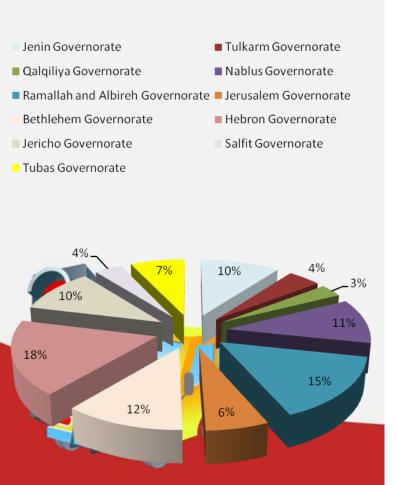
No regional roads connect Nablus city with its surrounding. In comparison to other main cities "Ramallah with many regional roads" main roads are the serving roads which by future can not be enough.



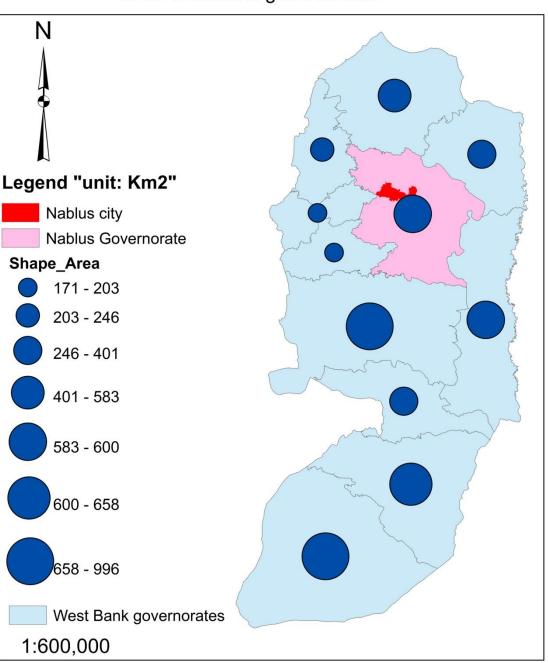
West Bank governorates connected by main and regional roads "Nablus governorate location"



Nablus governorate is the FOURTH largest governorate in area.



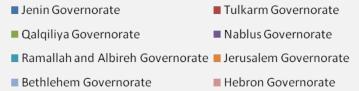
Nablus governorate area in comparison to other west bank governorates



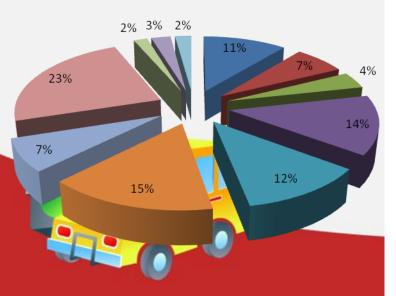
Nablus governorate is the THIRD largest governorate in population.

population

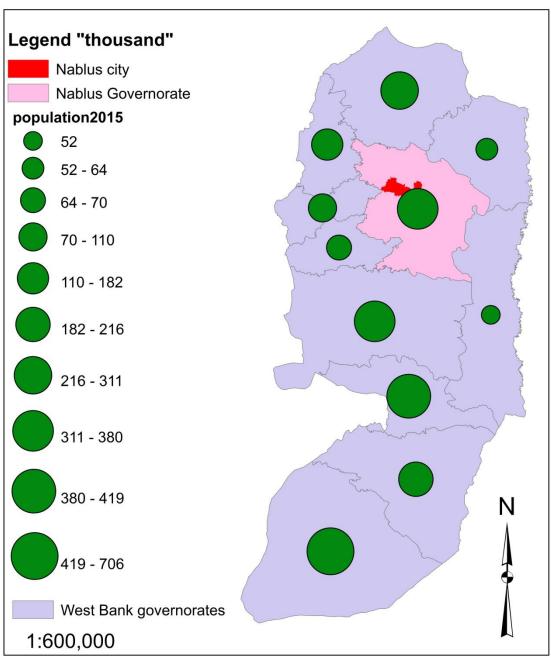
■ Salfit Governorate



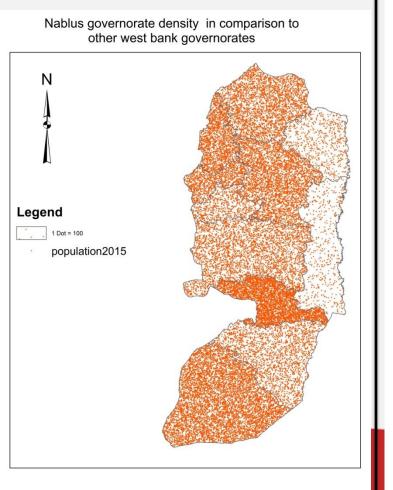
Jericho GovernorateTubas Governorate



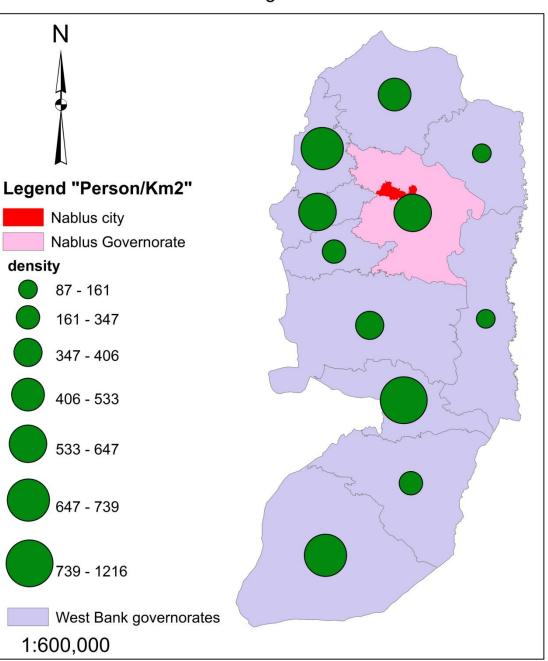
Nablus governorate population "2015" in comparison to other west bank governorates



Nablus governorate is the FIFTH largest governorate in density.



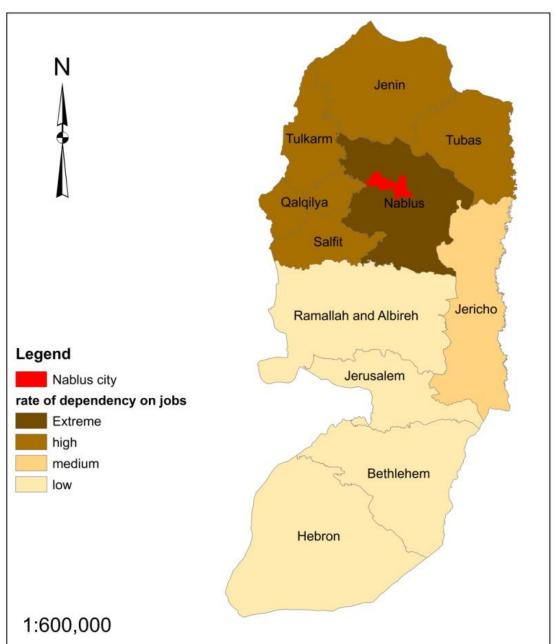
Nablus governorate density in comparison to other west bank governorates



 Nablus governorate is one of the main governorates in providing jobs for other governorates "especially in the city". Qalqilyah, Tulkarem, Jenin, Salfit, and Tubas, depend heavily on Nablus jobs. Main attractive jobs An-Najah are: University, Hijjawi college, Paltel, and many other • companies.



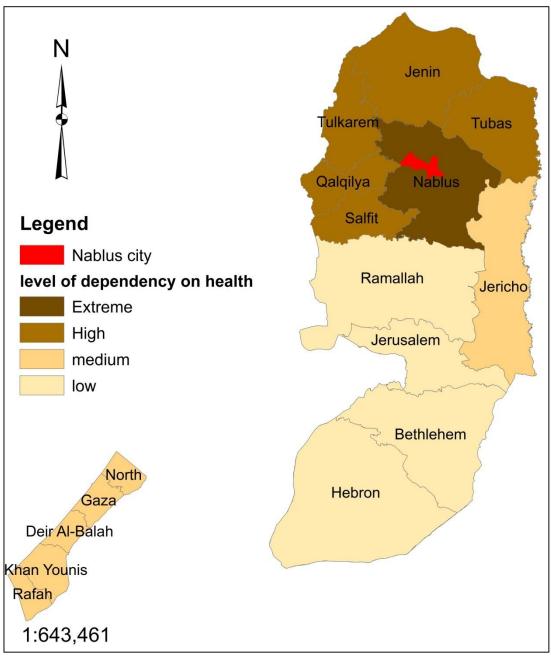
Governorates classification according to their dependency on Nablus city jobs



 Nablus governorate is one of the main governorates in providing health services for other governorates since there are many governmental hospitals. Qalqilyah, Tulkarem, Jenin, Salfit, and Tubas, depend heavily on Nablus city. Main hospitals Rafidia • are: hospital, and An-Najah University hospital.



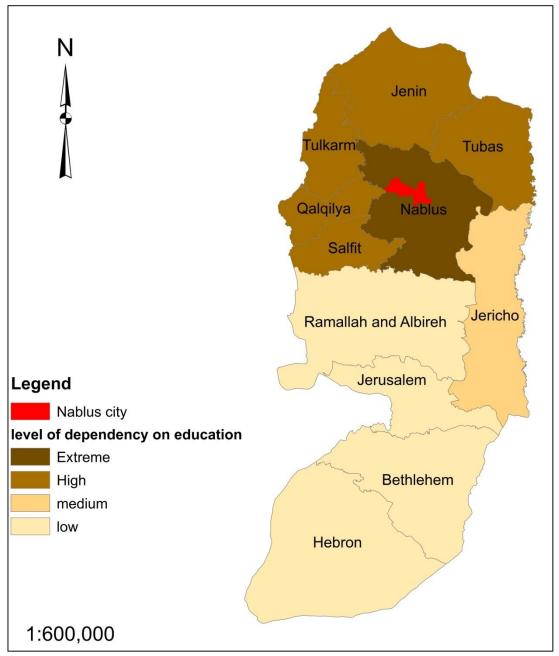
Governorates classification according to their dependency on Nablus city health services "Hospitals"



 Nablus governorate is one of the main governorates in providing education services for other governorates since there are the two campuses An-Najah National of University "new and old campuses" and Hisham Hijjawi college. Qalqilyah, Tulkarem, Jenin, Salfit, and Tubas, depend heavily on Nablus city.



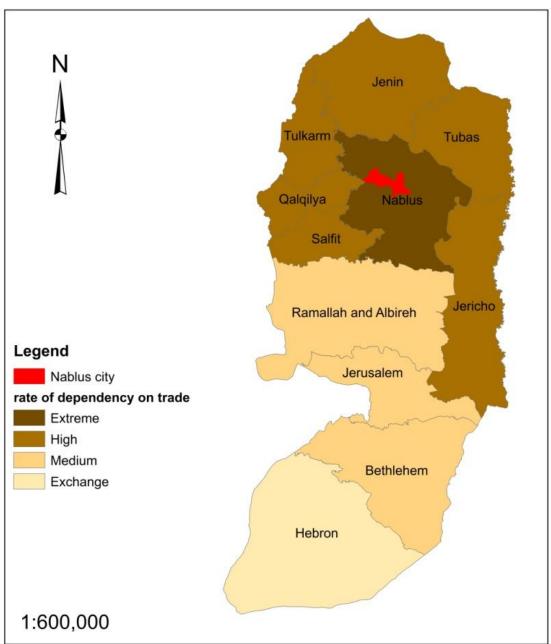
Governorates classification according to their dependency on Nablus city Education "Universities and Colleges"



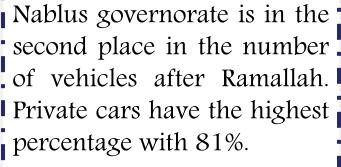
Nablus governorate is one of the main governorates in providing trade facilities for other governorates.



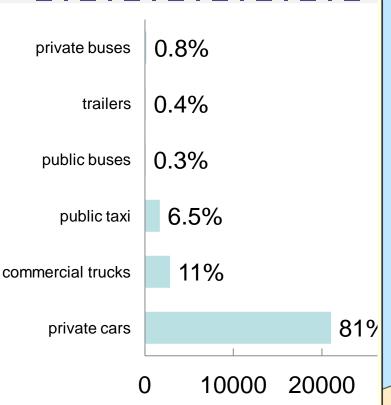
Governorates classification according to their dependency on Nablus city trade

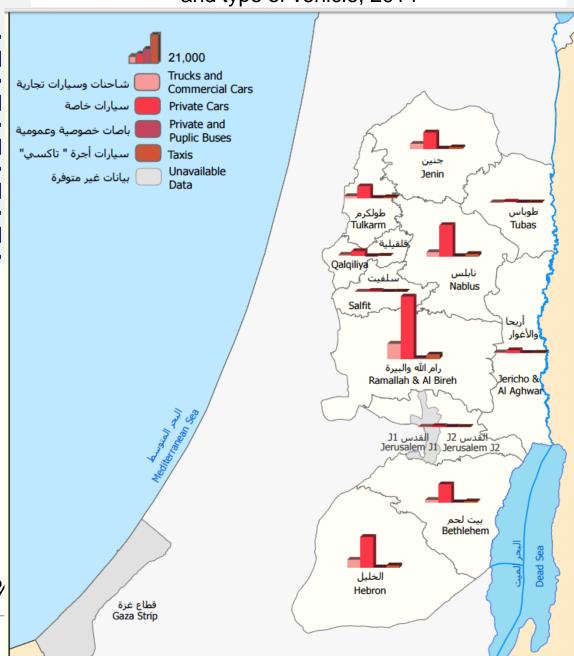


Licensed road vehicles in Palestine by governorate and type of vehicle, 2014



Palestinian central bureau of statistics 2014





Both Nablus and Ramallah governorates have the highest counts of accidents in the West Bank.

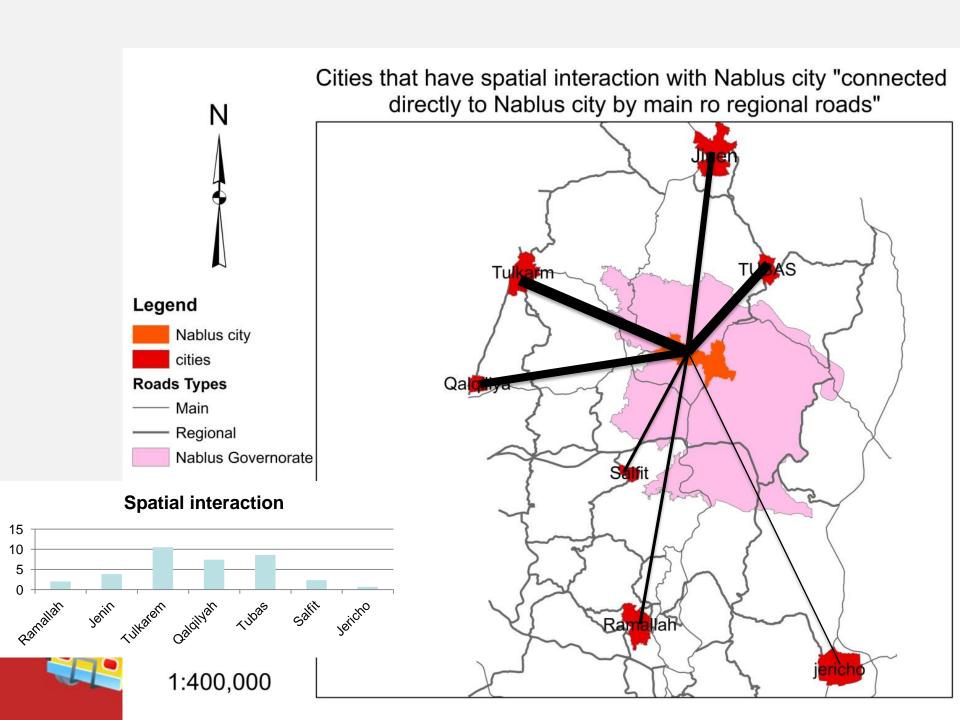
Palestine by governorate, 2014 199 200 - 307 308 - 569 570 - 1,091 طوباس Tubas 1,092 - 1,793 طولکرم Tulkarm بيانات غير متوفرة Unavailable Data Qalqiliya Salfit رام الله والبيرة أريحا والأغوار & Jericho Ramallah & Al Bireh Al Aghwar القدس 12 القدس 11 Jerusalem J1 Jerusalem J2 Bethlehem الخليل Hebron قطاع غزة Gaza Strip

Number of registered road traffic accidents in



The importance of Nablus city on the Regional level

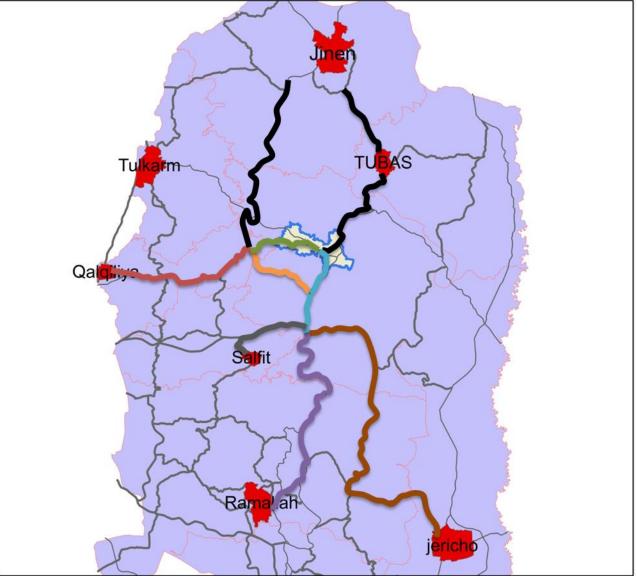


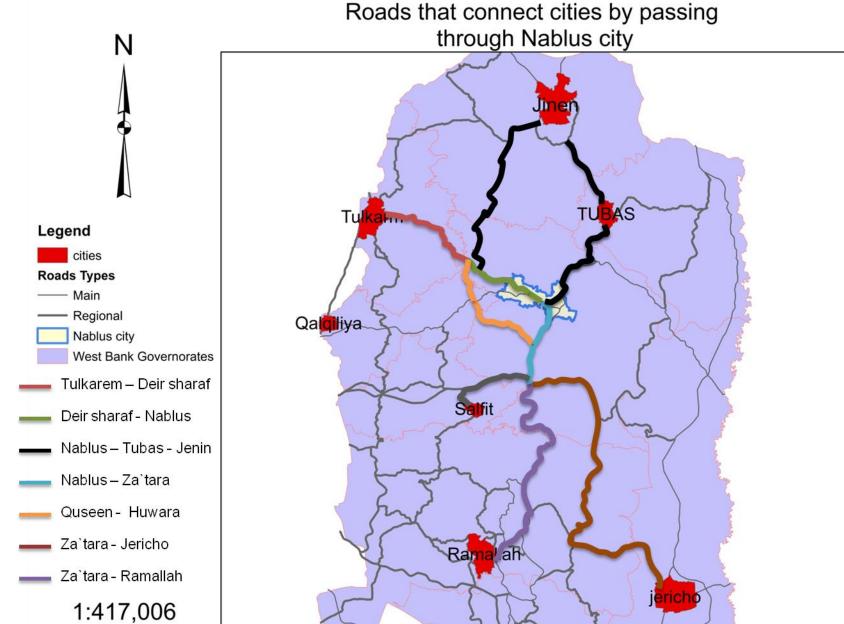




1:417,006

Roads that connect cities by passing through Nablus city







Connection roads in Northen region of West Bank



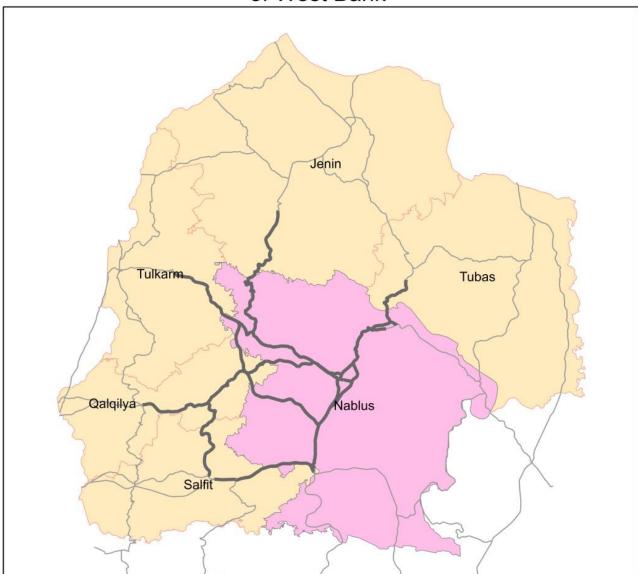
Legend

---- Roads

Root roads

Nablus Governorate

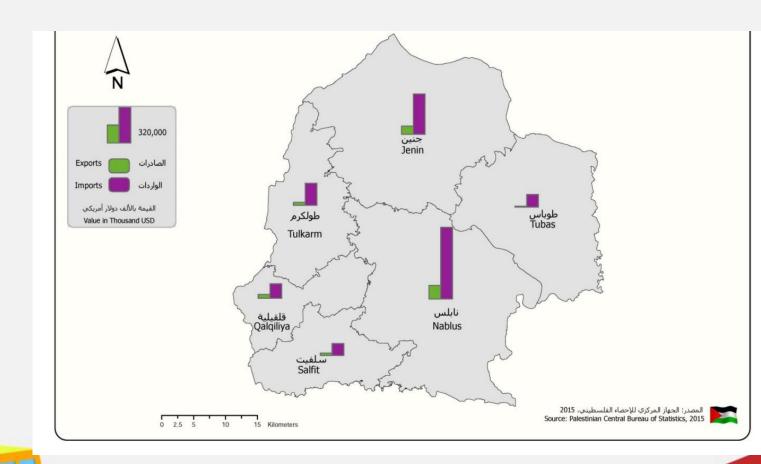
Northern governorates





1:342,205

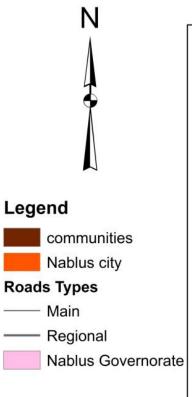
Value of registered exports and imports in the West Bank northern governorets, 2013

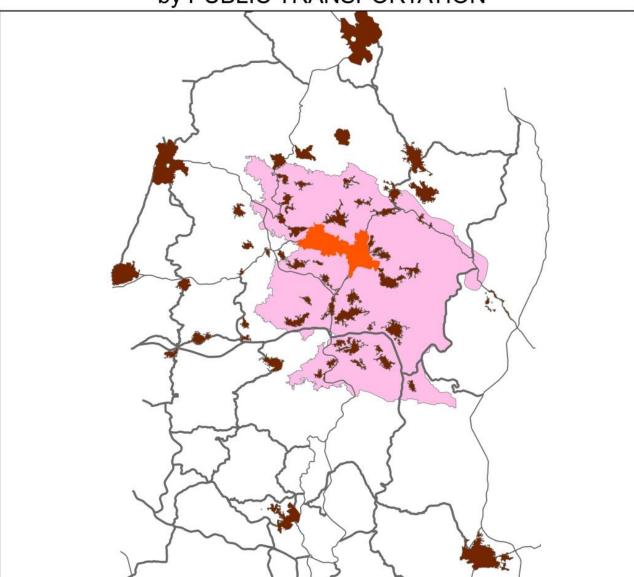


The importance of Nablus city on the Sub-Regional level



Communities that are connected to Nablus city "by PUBLIC TRANSPORTATION"





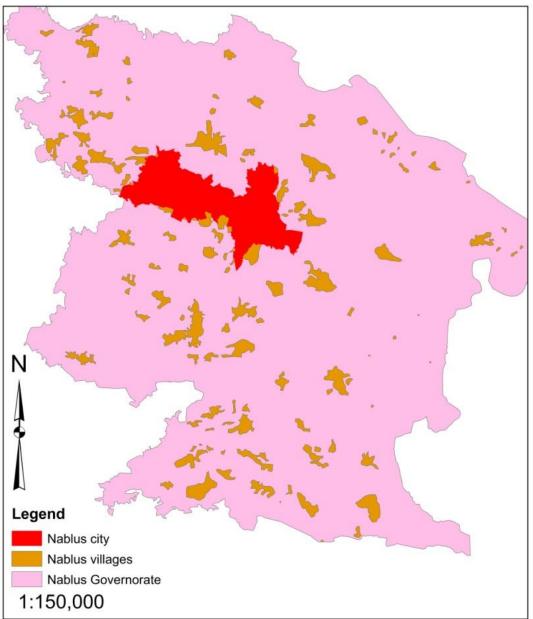


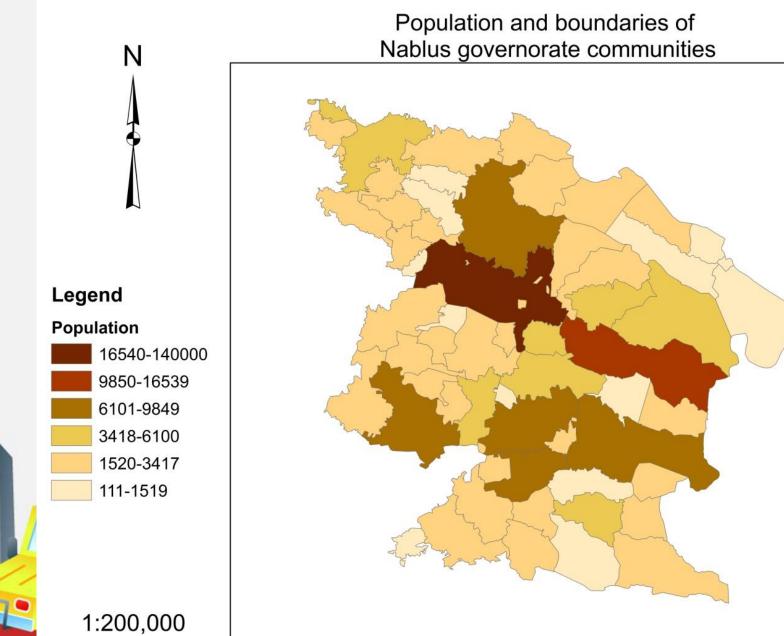
1:400,000

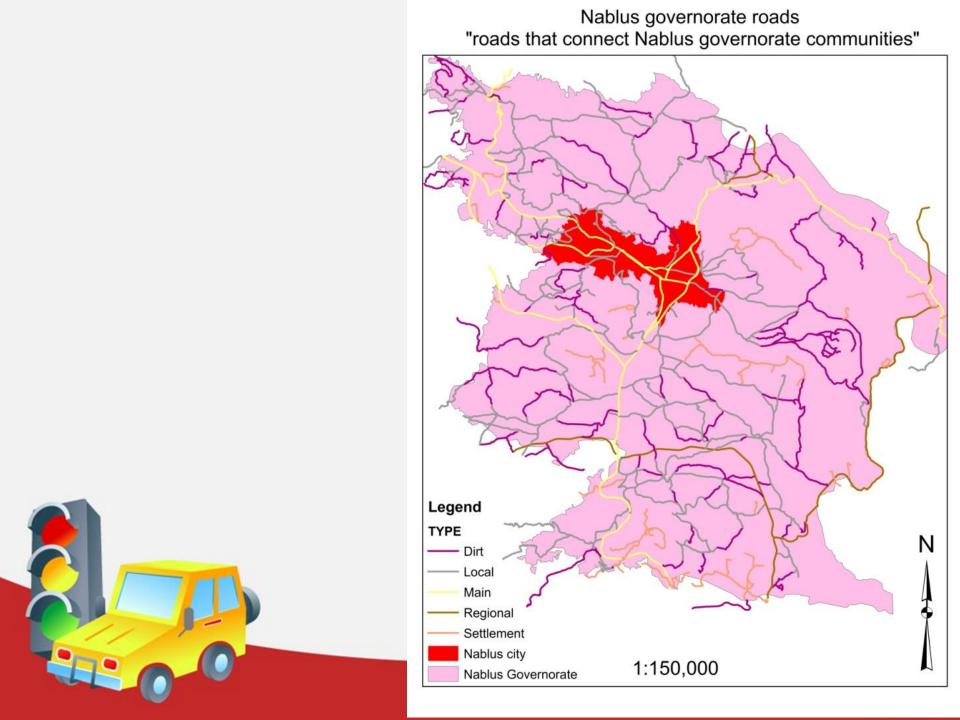
Nablus city is located in the north eastern part of the governorate. It is surrounded by many communities, such as: Beit Iba, Sarra, Roujeeb, etc. the distances between it and the governorate communities vary according to communities locations.



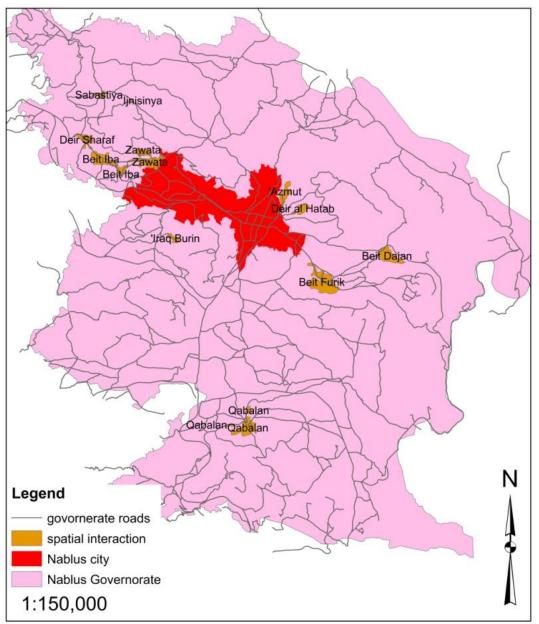
Nablus city location inside Nablus governorate "its location between the governorate villages"







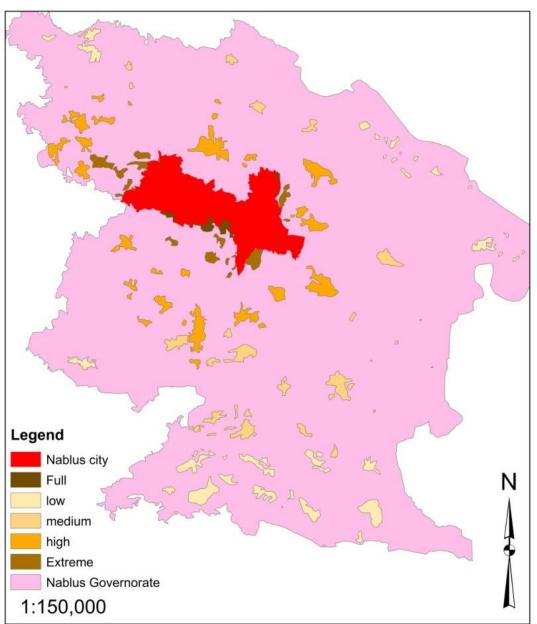
Communities that have high spatial interaction with Nablus city



The spatial interaction and the community dependency on Nablus city decrease as the distance between them increases.



Level of the governorate communitites dependency on Nablus city services



The importance of Nablus city on the Local level



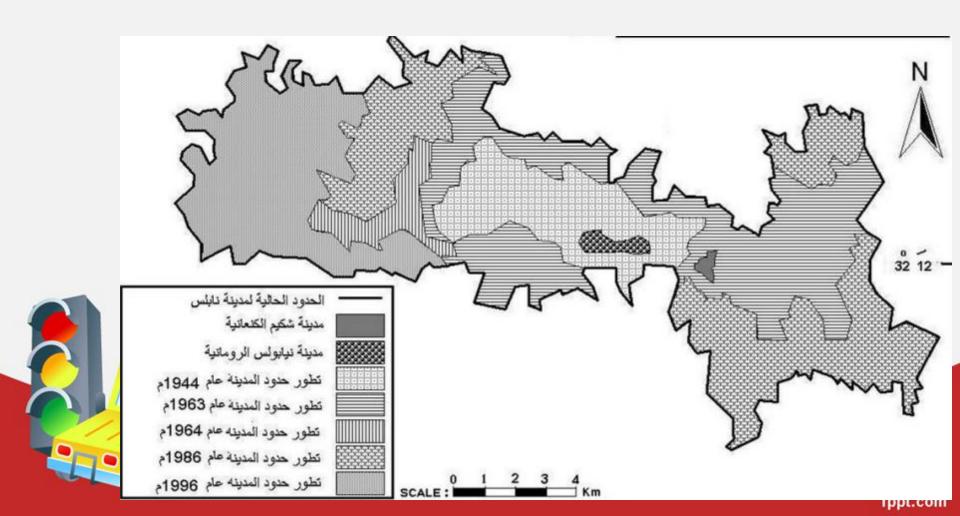
Nablus city coordinates are: 32.2203° N, 35.2789° E



Nablus city coordinates 35°19'30"E 35°13'0"E 35°14'0"E 35°15'0"E 35°16'0"E 35°17'0"E 35°18'0"E 32°17'0"N--32°17'0"N 32°16'30"N--32°16'30"N 32°16'0"N--32°16'0"N 32°15'30"N--32°15'30"N 32°15'0"N--32°15'0"N 32°14'30"N--32°14'30"N 32°14'0"N--32°14'0"N 32°13'30"N--32°13'30"N 32°13'0"N--32°13'0"N 32°12'30"N--32°12'30"N 32°12'0"N--32°12'0"N 32°11'30"N--32°11'30"N 32°11'0"N--32°11'0"N 32°10'30"N--32°10'30"N 32°10'0"N--32°10'0"N Legend 32°9'30"N· -32°9'30"N Nablus city 32°9'0"N--32°9'0"N Nablus Governorate 35°13'0"E 35°14'0"E 35°15'0"E 35°16'0"E 35°17'0"E 35°18'0"E 35°19'30"E

1:76,410

Historical expansion of the city of Nablus. "Nablus municipality"



Nablus city expansion during the years

Nablus 2016 Google map





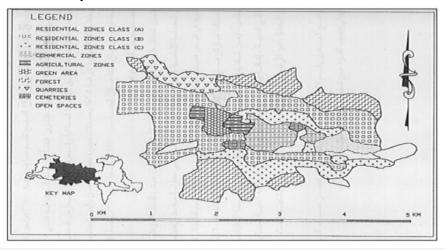
Nablus 1944 Atlas of Palestine "Arij"

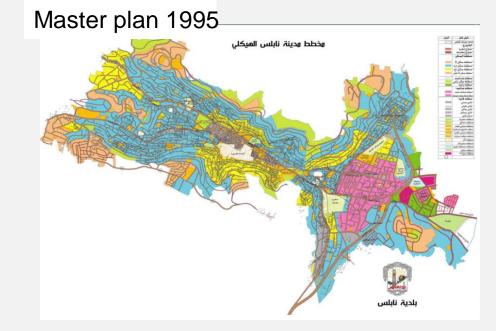




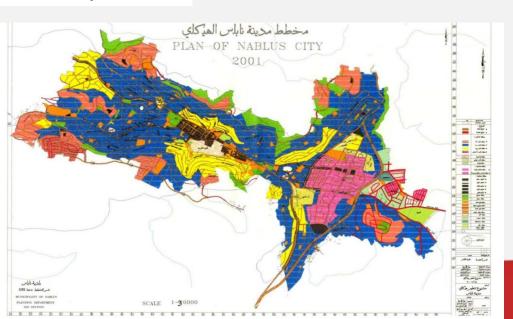
Nablus 1997 Atlas of Palestine "Arij"

Master plan 1961

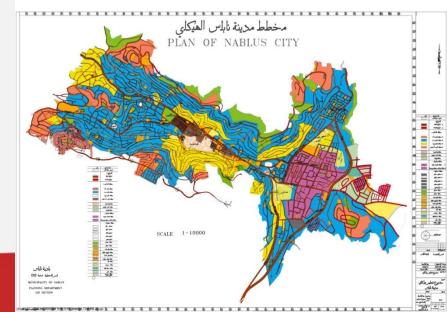


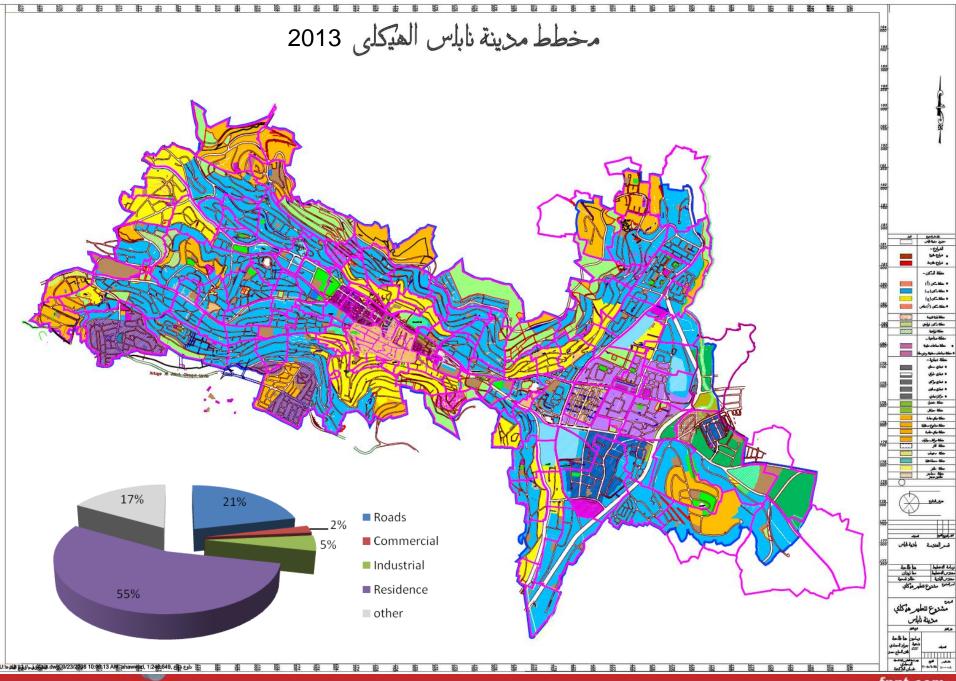


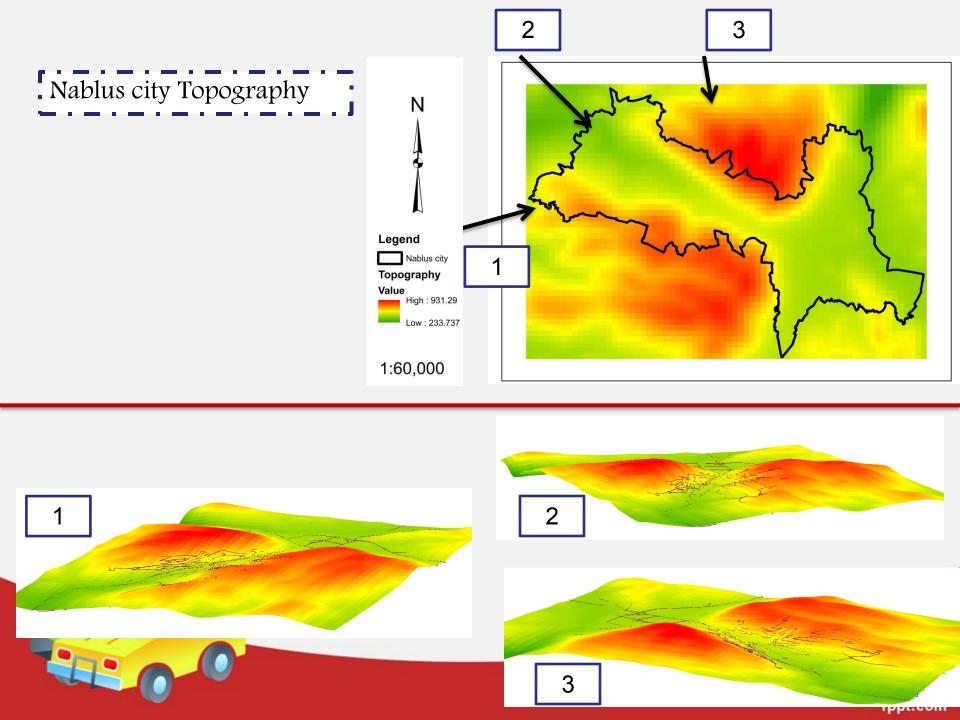
Master plan 2001



Master plan 2011





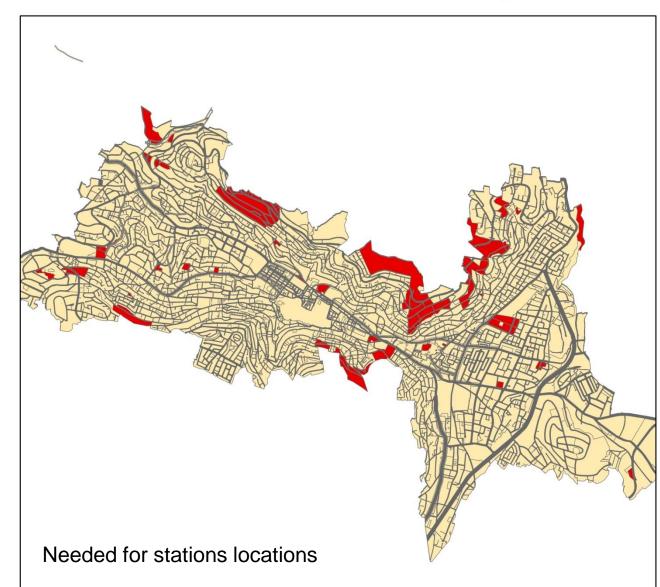


State lands locations in Nablus city



Legend

Nablus city
State Land
Roads

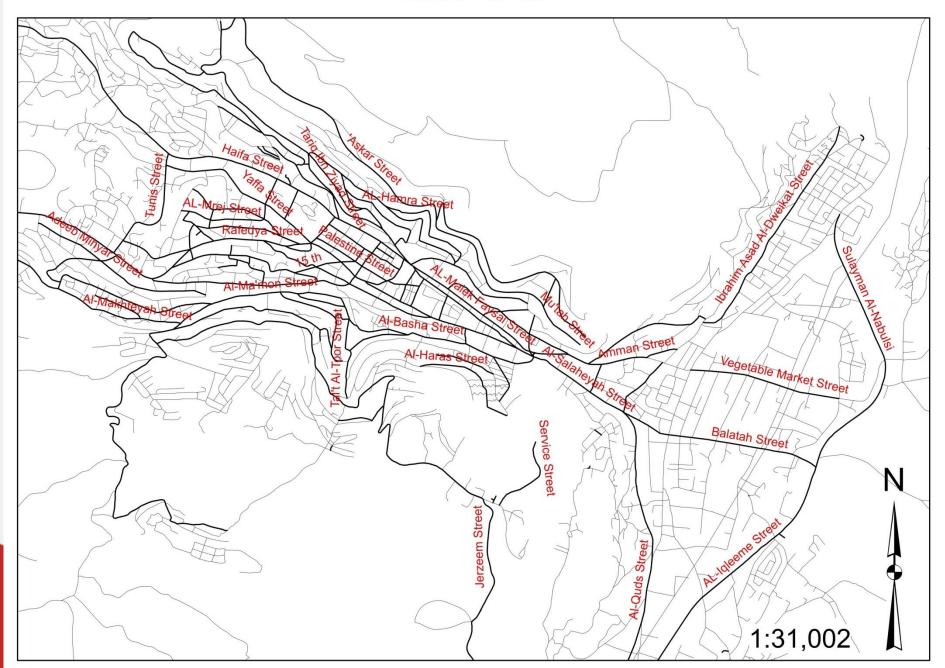




Roads Diagnosis



Roads names



Type of Nablus city streets

N

Legend

TYPE

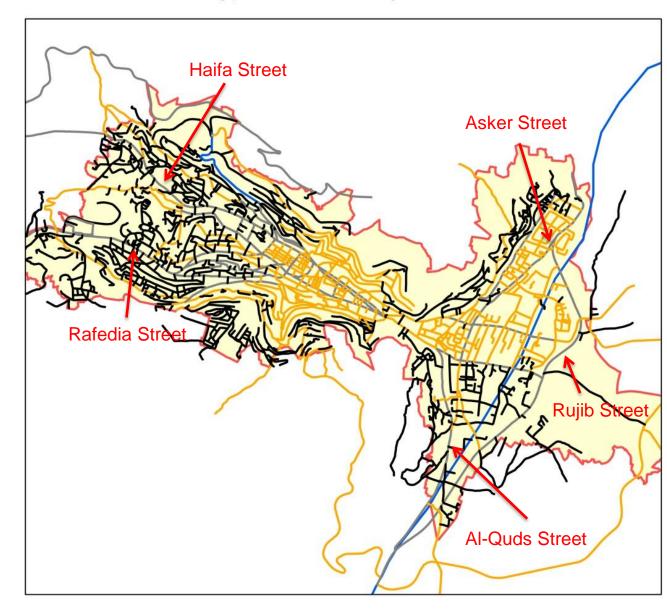
primary

residential

secondary

tertiary

Nablus city





Internal roads width in Nablus city



Legend

Nablus city

roads width "meter"

1 - 6

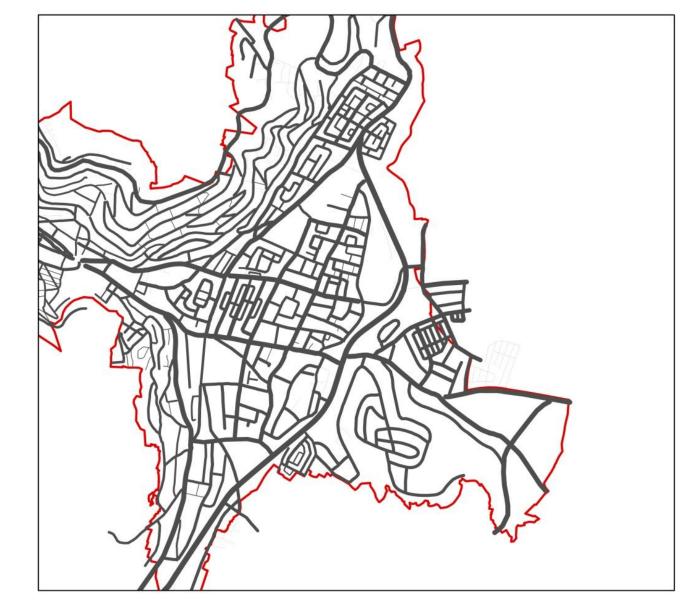
13 - 16

17 - 20

21 - 25

26 - 40

41 - 60





1:30,000

Internal roads width in Nablus city



Legend

Nablus city

roads width "meter"

____1-6

____ 7 - 9

____ 10

17 - 20

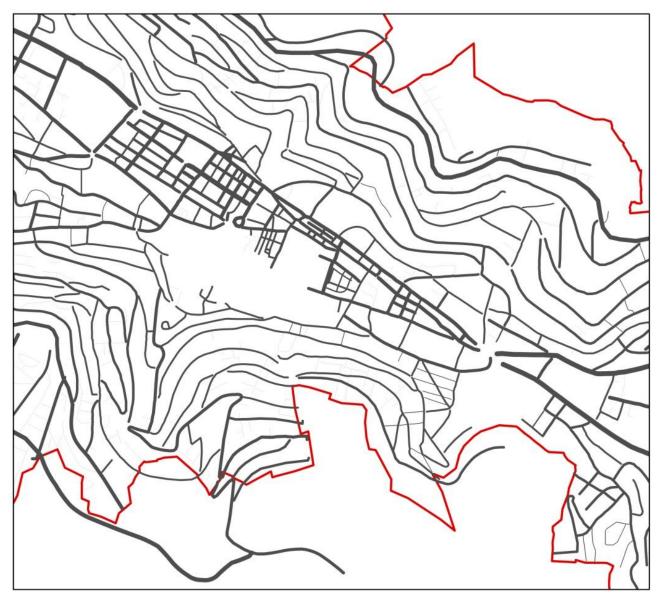
21 - 25

26 - 40

41 - 60



1:15,353





Internal roads width in Nablus city



Legend

Nablus city

roads width "meter"

1 - 6

____ 10

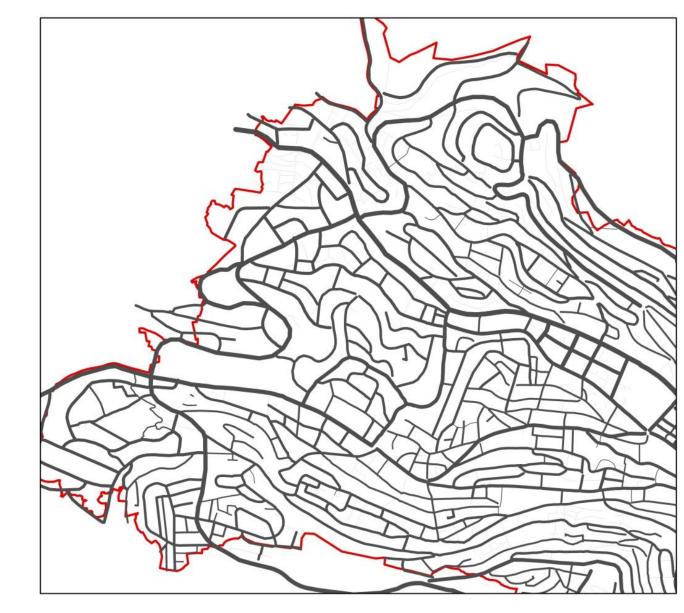
13 - 16

17 - 20

21 - 25

26 - 40

41 - 60





1:20,000

Length of Nablus city streets in meters



Legend

Shape_Leng

0.03 - 693

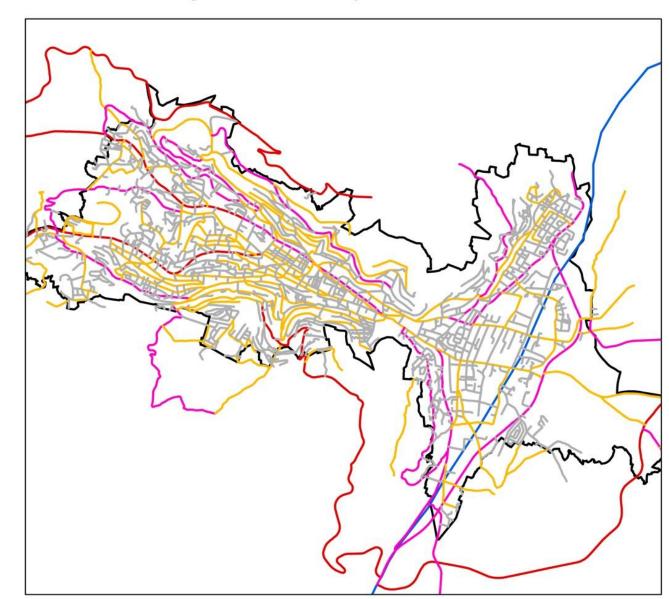
----- 693 - 2227

---- 2227 - 4347

— 4347 - 13009

13009 - 29514

Nablus city





Commercial streets in Nablus city

N

Legend

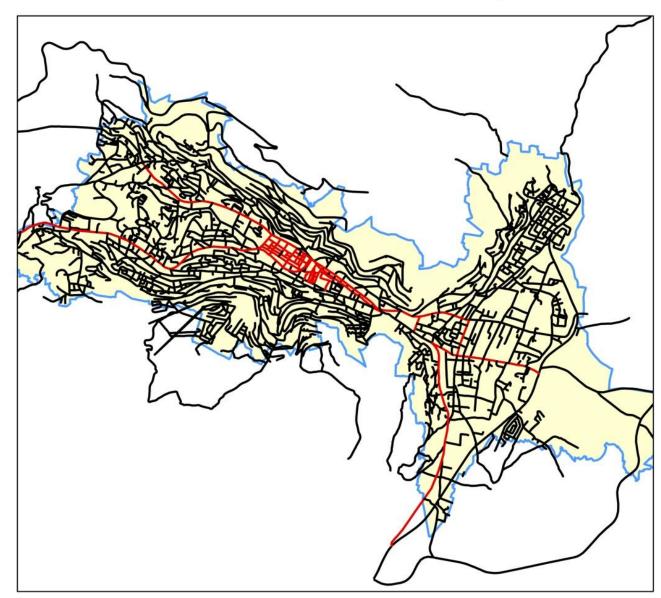
use

not commercial

--- commercial

Nablus city







Maximun capacity on Nablus city streets "VPH"



Legend

capacity

0 - 229

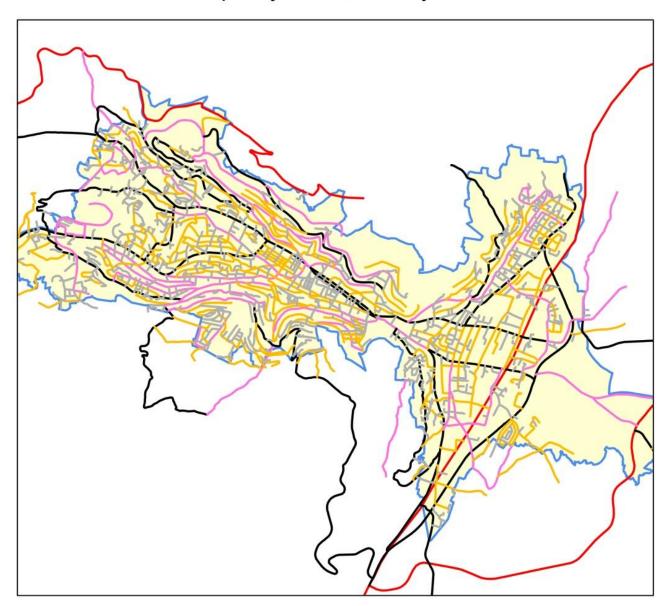
229 - 674

674 - 1484

1484 - 5448

5448 - 19676

Nablus city





Roads speed



Legend

maxspeed "km/hr"

00

____ 20

___ 30

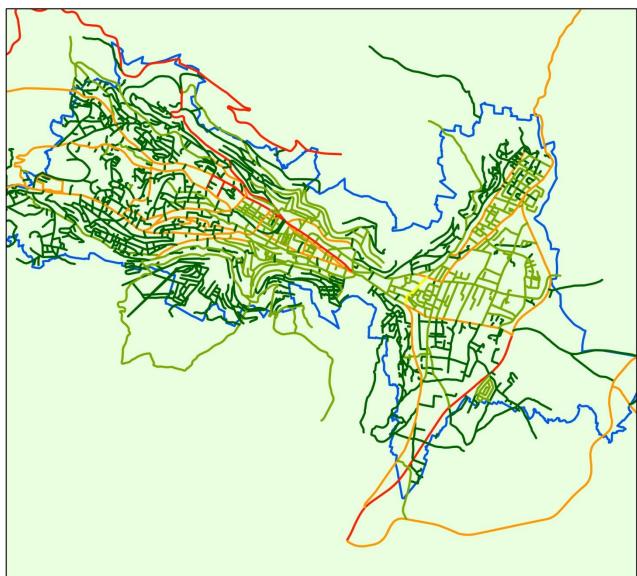
---- 60

Nablus city

1:50,000

Nablus Governorate







Services that attract people from outside the city of Nablus

N

Legend



Al Quds Open University



College:Hishan HaJawi

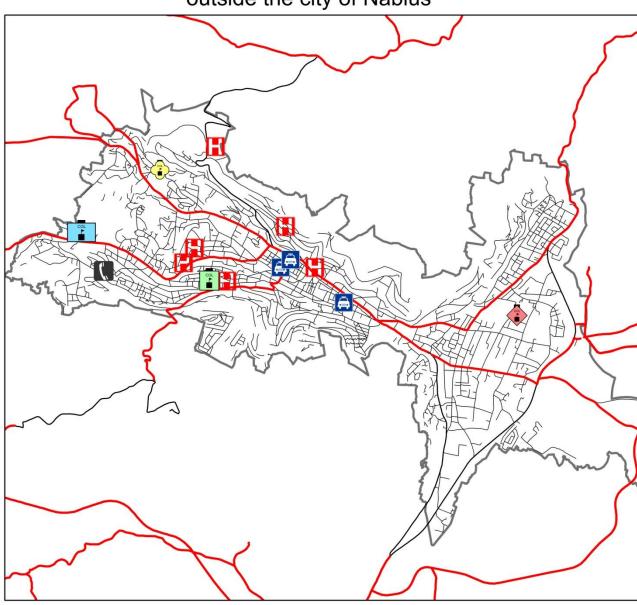


Old Najah Campus

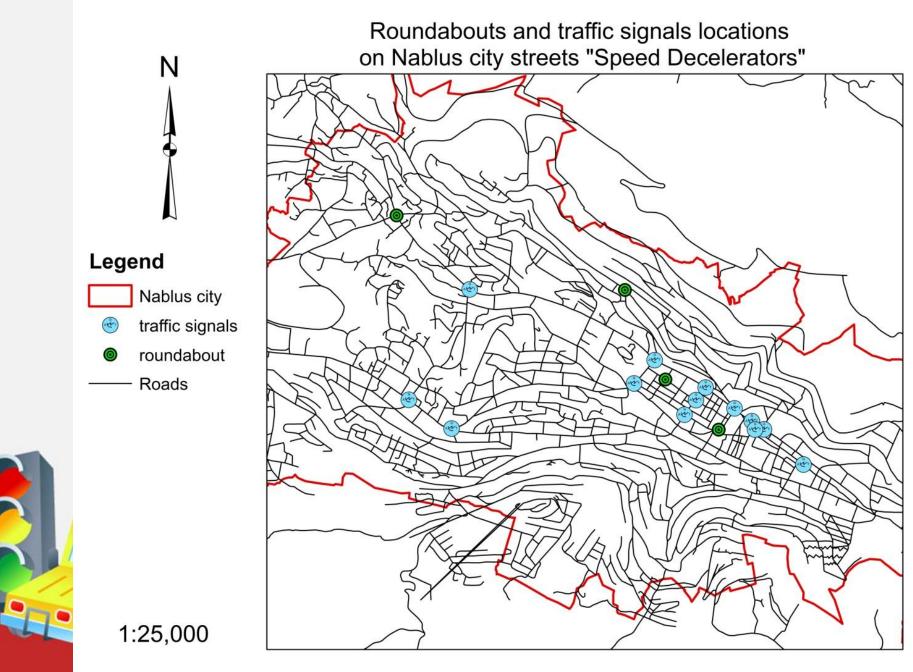












Main roads for trucks



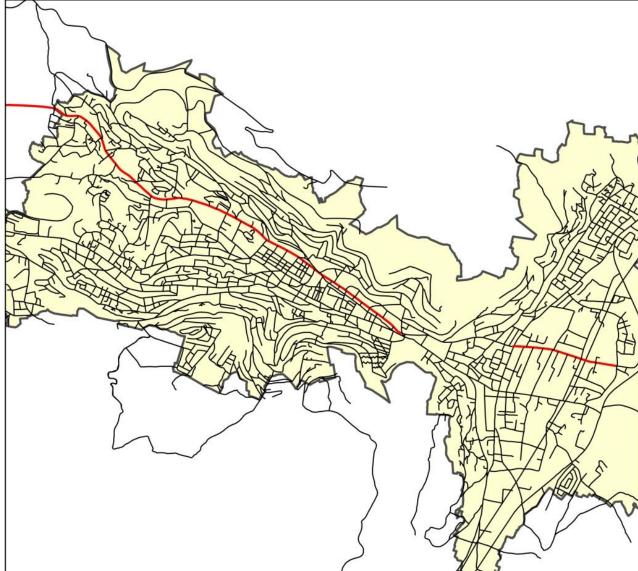
Legend

roads

main roads for trucks

Nablus city







1:40,000

Roads used for entrances closure cases

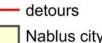


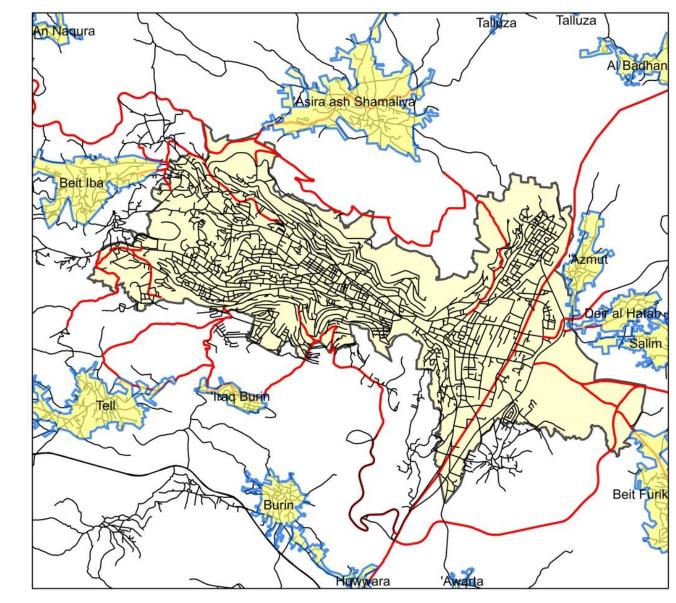
Legend

communities

roads

Nablus city







1:60,000

Roads served by service vehicles



Legend

Streets

number of service vehicles

— 0

___ 26

- 28

___ 35

___ 40

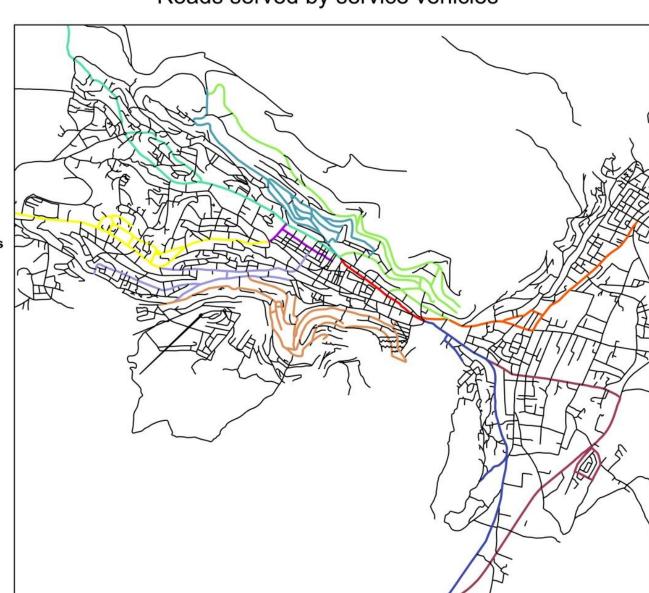
- 101

---- 123

____ 235

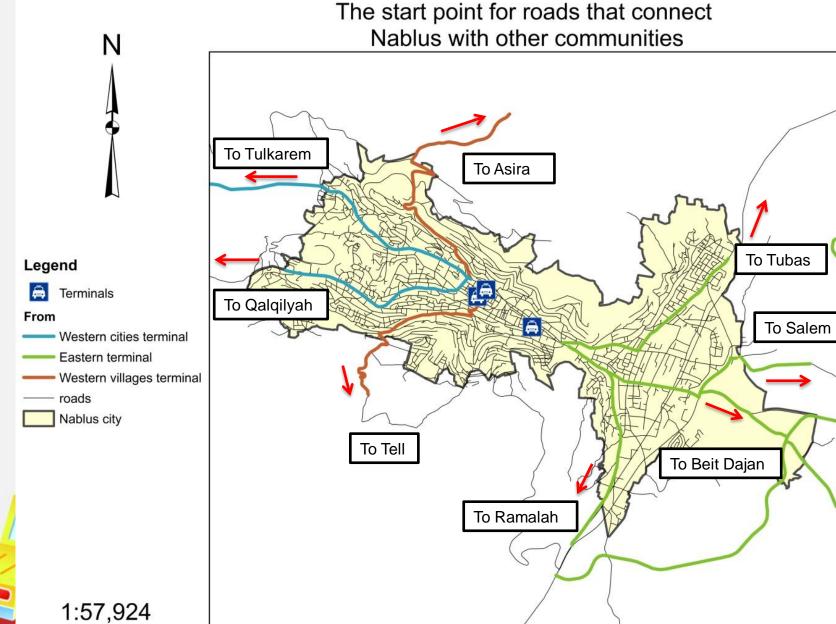
1:40,000



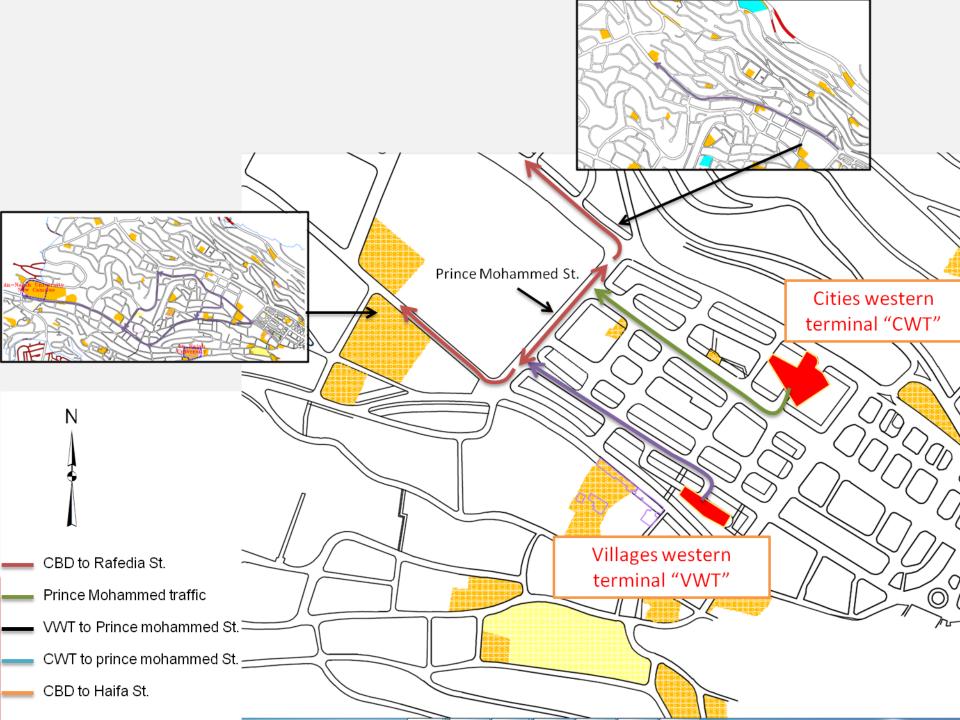


Public transportation movements analysis

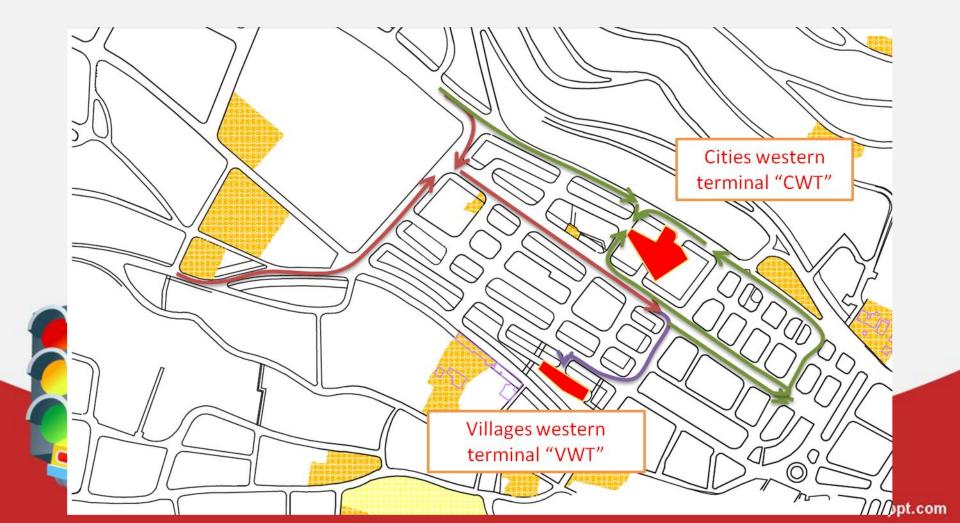


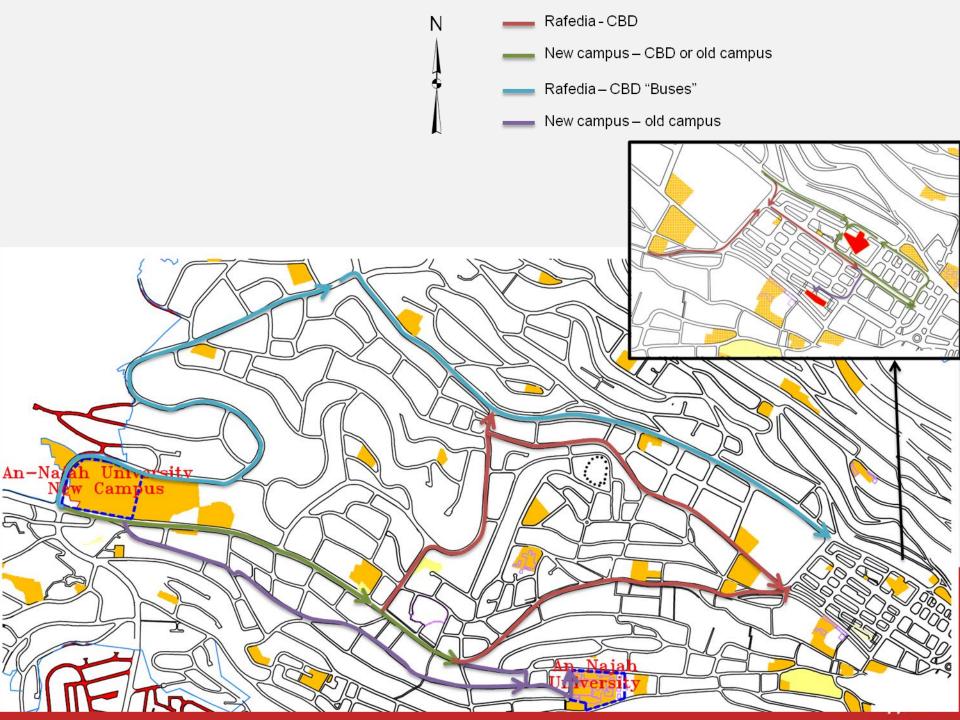




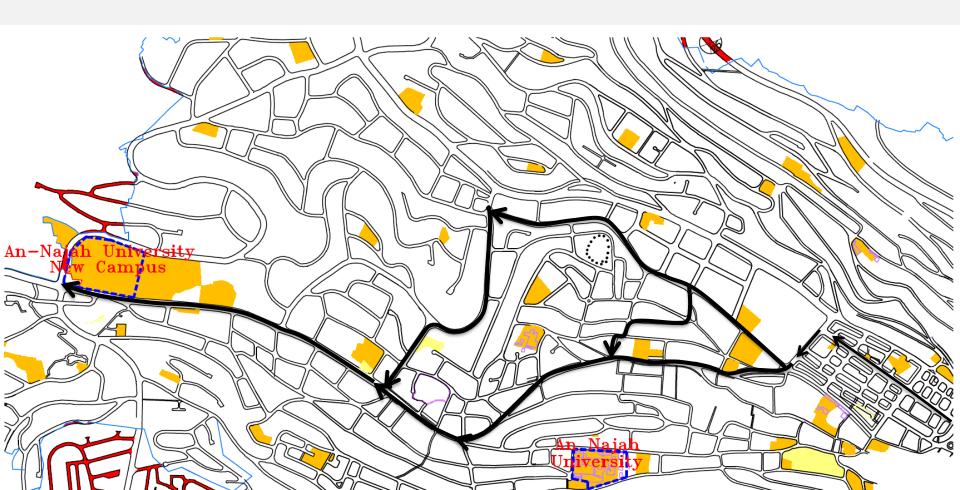




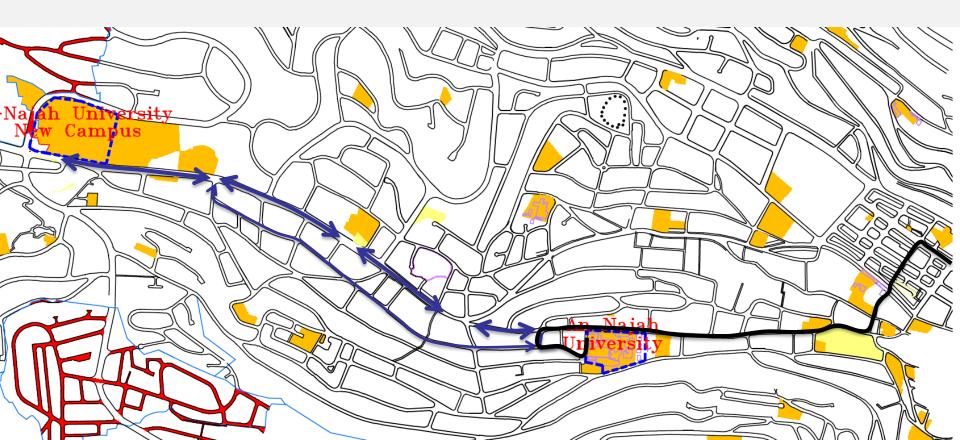








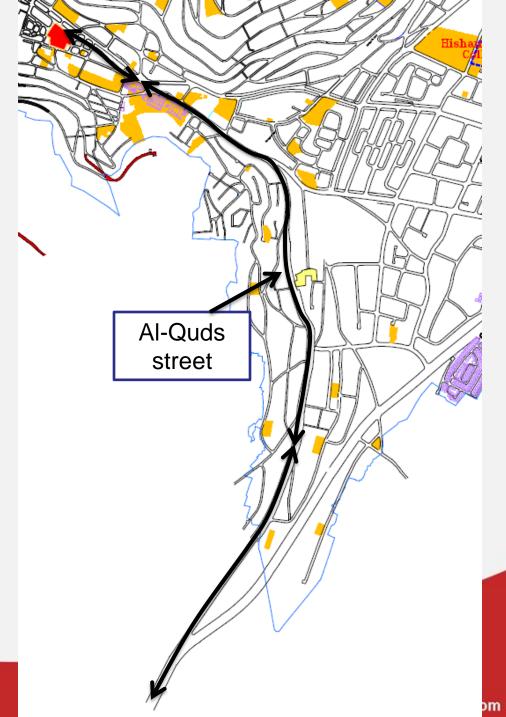


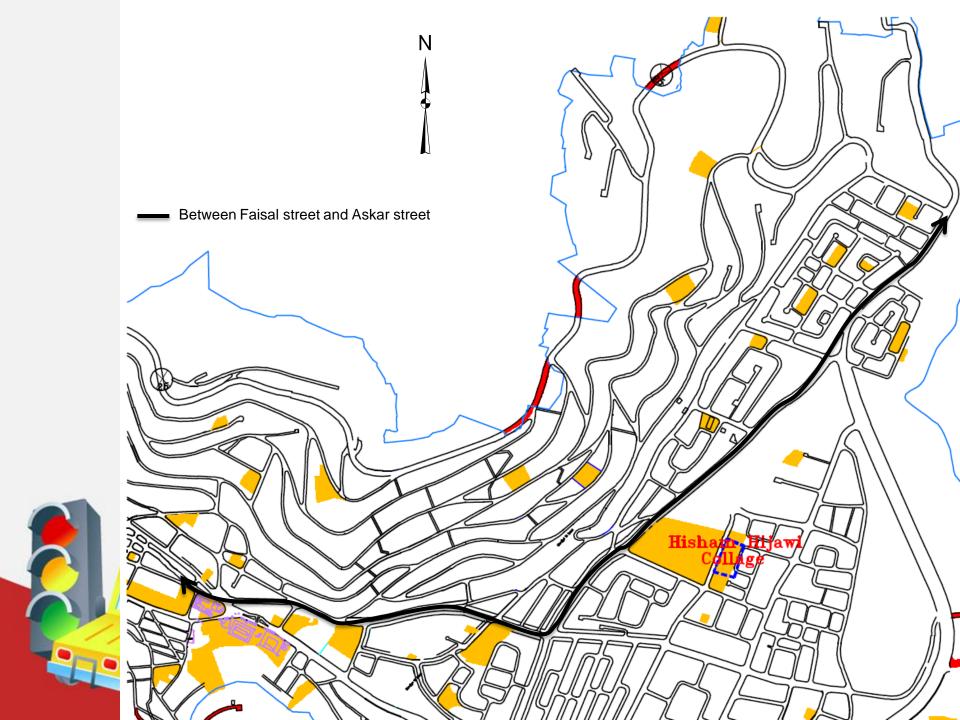


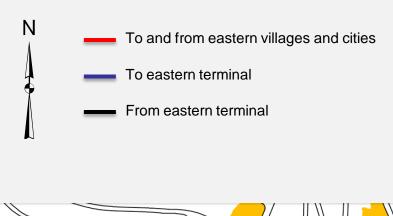
Ν

Between Faisal street and Al-Quds street







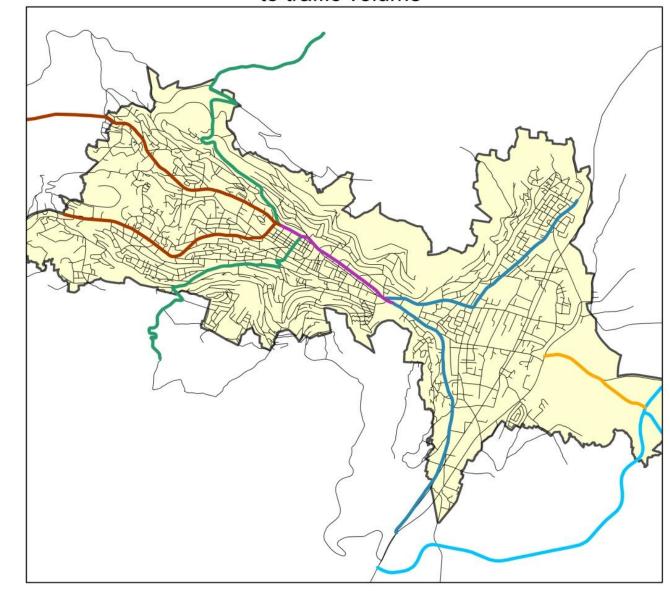




Legend volume roads Nablus city

1:50,000

Main roads classification according to traffic volume



Public transportation Percentages on Main Roads



Legend

— roads

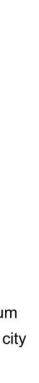
— 17%

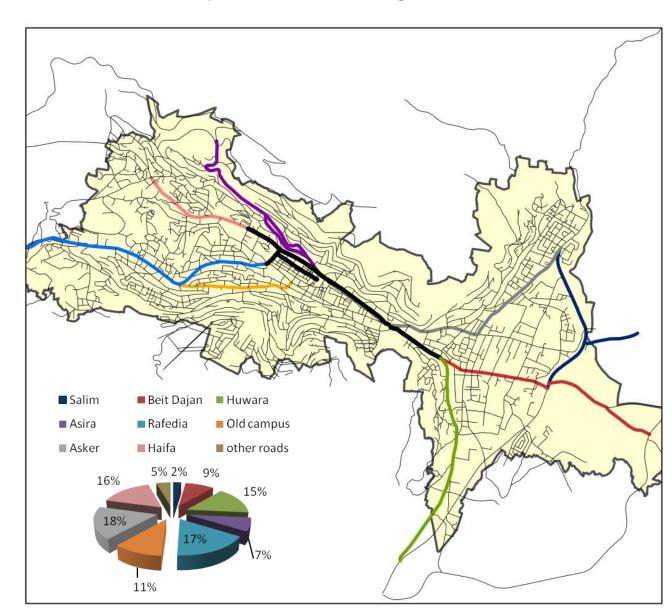
---- 9%

Maximum

Nablus city









Main roads that have high traffic volume

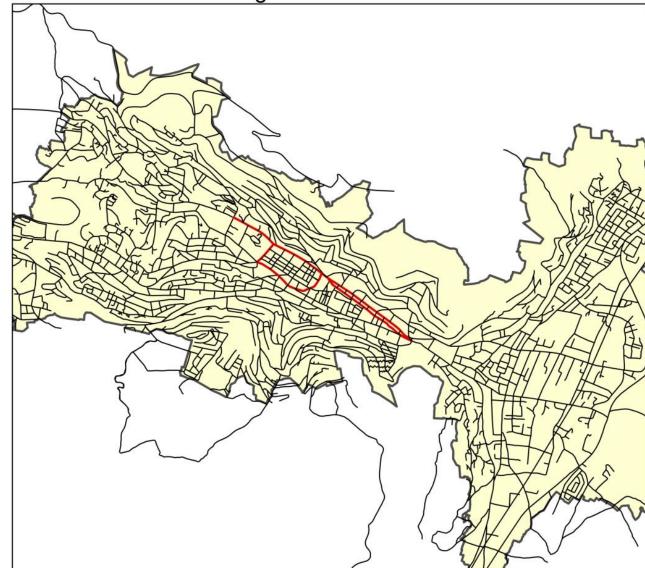


Legend

— roads

very high traffic

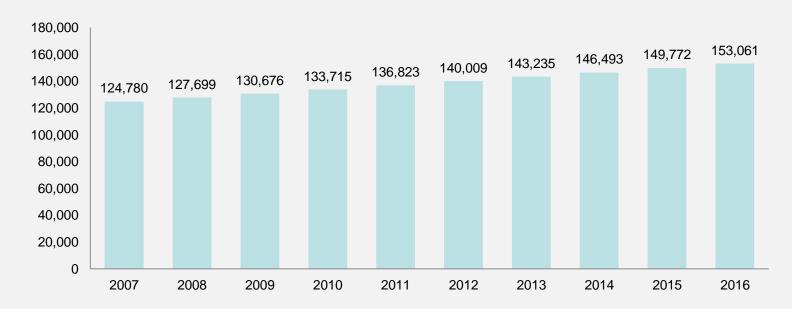
Nablus city





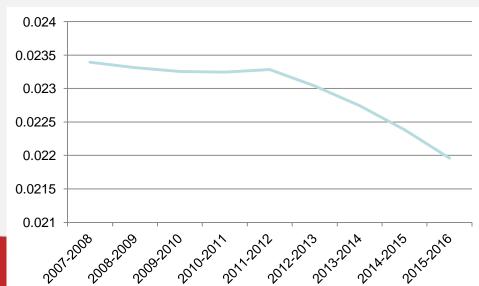
1:40,000

Population studies



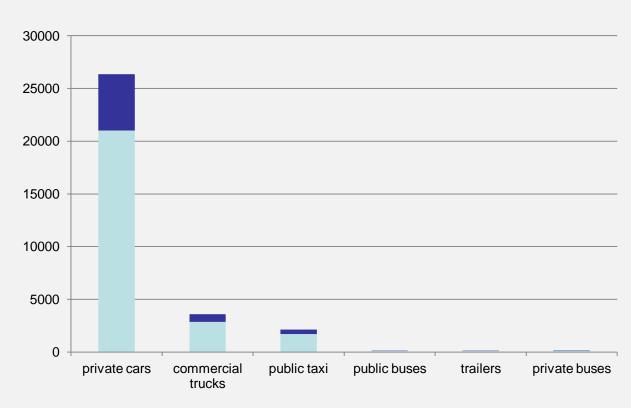
Nablus city population





Expected city population in 2026: 186,673

Expected counts of vehicles in 2026 in Nablus Governorate





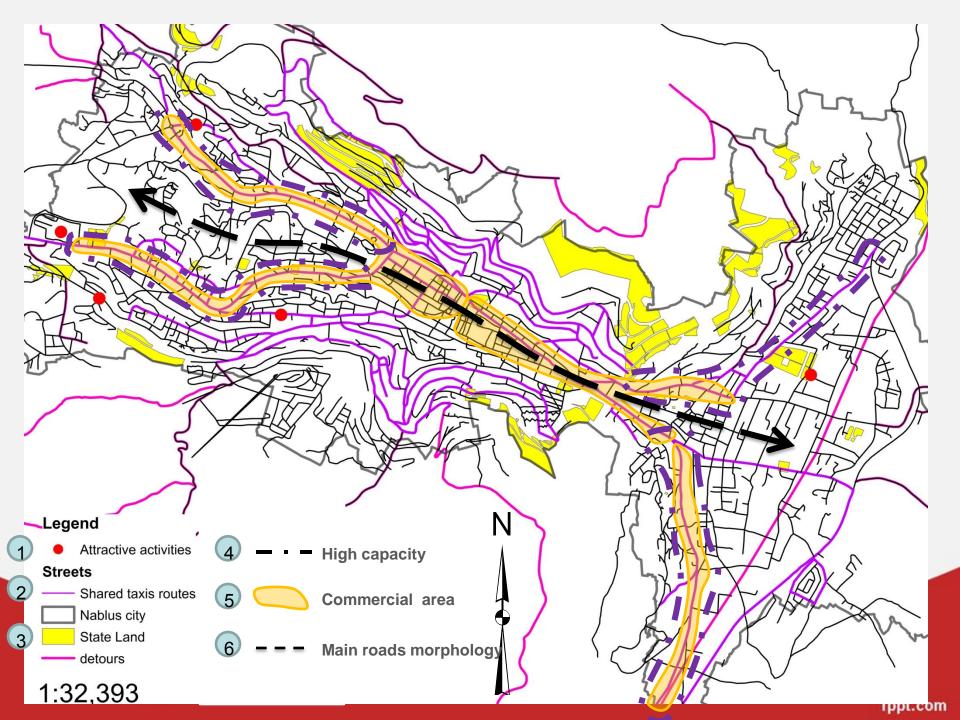
Second stage:
 Analysis and vision statement



Strength

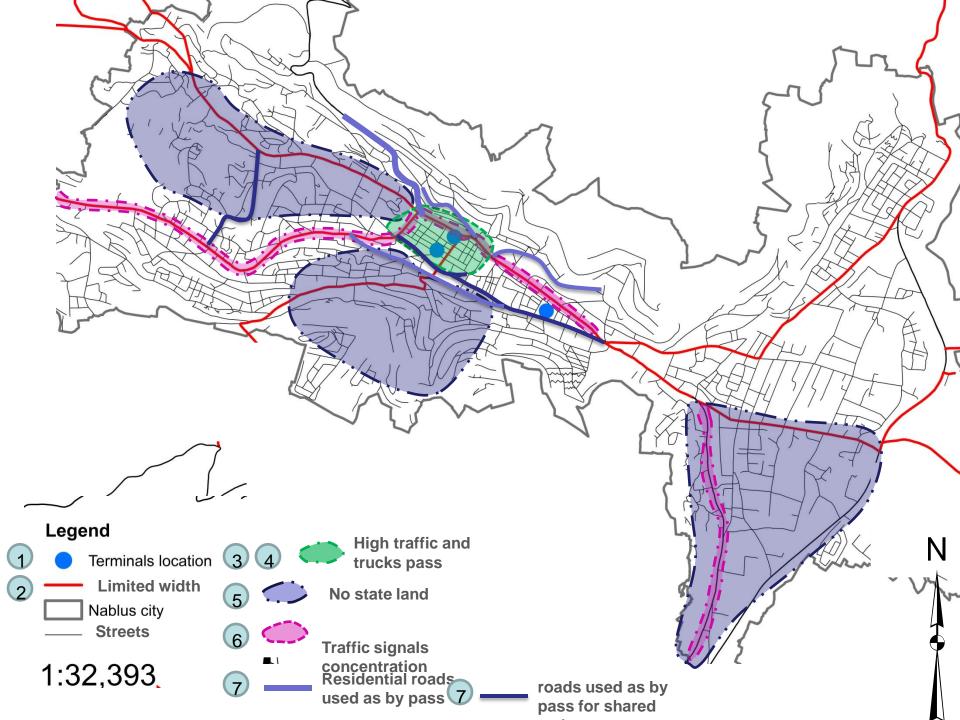
- 1. The location of some attractive services on main roads and the ability to be reached by different roads
- 2. The availability of shared taxis in the main areas of the city
- 3. The availability of state lands in some areas
- 4. High capacity for some streets
- 5. Commercial uses lie on main roads "Rafedia and Haifa streets"
- 6. Main roads lie along the city from east to west "availability of main roads nearly in all parts of the city"
- 7. All the city parts are served by roads
- 8. The availability of detour roads





Weaknesses

- 1. The location of terminals inside the CBD
- 2. Main and secondary streets are NARROW and cant be widened
- 3. High traffic "very long delay periods" on Faisal street and some main streets
- 4. Trucks pass through the CBD
- 5. The absence of state lands in some areas
- 6. The concentration of traffic signals in the CBD
- 7. The use of some secondary "residential roads" as pass by roads
- 8. The absence of speed calming on residential roads
- 9. No public transportation available in the city
- 10. High percentage of private vehicles on Nablus roads "81%"
- 11. High pollution in the CBD and some residential areas "high carbon emission"
- 12. A lack in greenery on streets "aesthetic views"



Main Goals

Economic Benefits	Social Benefits	Environmental Benefits
Reduced development and service costs	Improved transportation options and choices	Green space
Consumer transportation cost savings	Community cohesion	Reduced air pollution
Increased costs to provide public services	Increased physical activity and health	Reduced resource consumption
More efficient transportation	Congestion reduction	Reduced water pollution
		Reduced "heat Island" effect

Main needs

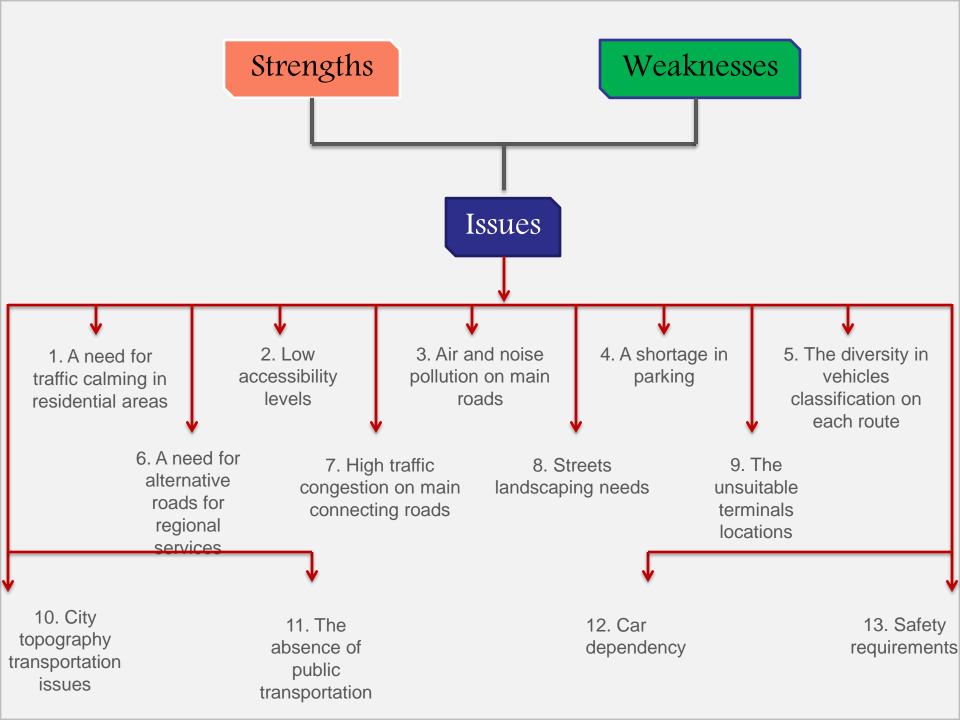
Equity: Connecting all residents to opportunities such as good jobs, transportation choices, safe and stable housing, a range of parks and natural areas, and vibrant open spaces.

Stewardship: Using resources prudently to help ensure the region's financial, social and environmental sustainability now and for future generations.

Integration: Aligning and coordinating policies, plans, resources, and actions.

Accountability: Identifying appropriate indicators and measuring outcomes to evaluate the effectiveness of goals and policies

Residential Diversity, Mix of Commercial, Usable Open Space, Complete Streets, and Intermodal Connectivity



Vision statement

A prosperous sustainable model for developing a transit oriented city



What does the vision mean!!

Prosperous	 Energizing the Commercial Core, A Comprehensive Retail Strategy, Clean and Safe
interconnected	accessible neighborhoods by using multilevel stations
Walkable city	Building On Transit, Bicycle City, Park The Car Once
Diverse City	 Downtown Living, A Family-Friendly Place, Embracing Adjacent Neighborhoods
Distinctive city	CULTIVATING A MOSAIC OF URBAN DISTRICTS
Green city	Sustainable Use of Resources

