

Data for Road Construction

1. Typical Section (see attachment)
2. Road width 2.5+3.5+3.5+2.5m
Road length 1000m
Location of site: Germasogeia (Limassol)
Location of Asphalt Plant: Parekklishia (Limassol)
Location of Quarry: Parekklishia (Limassol)

	THICKNESS	QUANTITY
WEARING COURSE	50mm	1410 tonnes
BASE COURSE	70mm	1974 tonnes
ROAD BASE	200mm	5400 tonnes
SUB-BASE	300mm	7200 tonnes
PRIME COAT 1LIT/M2		12000 LIT
TACK COAT 0.35LIT/M2		4200 LIT

Wearing Course (1410 tonnes)

1. Consists of 94.1% Aggregates i.e. 1326t
5.9% Bitumen i.e. 84t
2. Aggregates are transported to Asphalt Plant from the quarry using trailers of 27t. Each trip takes 1.0hrs.
3. Bitumen is imported and transported to asphalt plat using bouzers of 1000t each. Each trip takes 4.0 hrs.
4. Asphalt Plant produces on average 240t/hr of wearing course.
5. Wearing Course is transported to site using trailer of 27t. Each trip takes 2.5 hrs.
6. Wearing course is placed with finisher
7. A finisher lays on average 500t per day.

Base Course (1974 tonnes)

1. Consists of 95.0% Aggregates i.e. 1875 t
5.0% Bitumen i.e. 99t
2. Aggregates are transported to Asphalt Plant from the quarry using trailers of 27t. Each trip takes 1.0 hrs.
3. Bitumen is imported and transported to asphalt plant using bouzers of 1000t. Each trip takes 4.0hrs.
4. Asphalt Plant produces on average 240t/hr of base course.
5. Wearing Course is transported to site using trailer of 27t. Each trip takes 2.5 hrs.

6. Wearing Course is placed with Finisher.
7. A Finisher lays on average 550t per day.

Road Base (5400 t)

1. Road base is transported to the site from the quarry using trailers of 27t. Each trip takes 2.0hrs.
2. Road base is placed with finisher
3. A finisher lays 700t/day.

Sub-Base:

1. Road base is transported to the site from the quarry using trailers of 27t. Each trip takes 2.0hrs.
2. Road base is placed with finisher
3. A finisher lays 800t/day.

Prime Coat (12.000lt):

1. Prime coat is imported and transported to site using bouzers of 1000t
2. Each trip takes 4.0 hrs

Tack coat (4.200lt):

1. Prime coat is imported and transported to site in 20 barrels of 200lt using trucks.
2. Each trip takes 4.0 hrs.