

Estimate for construction of an asphalt road (Modification of Japanese project)

Preamble

The cost price relates to a 100m section of road on a 5 km site.

Prices are calculates for earthworks, drainage, road base and pavement, curbstone and safety barriers.

Unit prices include following works :

- preparation of the site

- use and removal of materials.

507-1 ASPHALT ROAD

ITEM REF		ITEM SPECIFICATION	UNIT	QUANTITY	2016 Item unit price	2016 TOTAL PRICE	Items to be priced	Pricing notes	Expert's Comments
1. Earthworks							X		
1,1		Mechanical excavation of carriageway, levelling and compacting to 95% simple Proctor. Transport 500m	m3	1161		-			
1,2		Mechanical excavation of sidewalk and shoulder, levelling and compacting	m3	100		-			
				TOTAL 1		-			
2. Concrete and Asphalt									
		Supply and 20km transport							
2,1		Gravel 0/90mm thickness 450mm on the carriageway. 95% modified Proctor	m3	698		-			
2,2		Gravel 0/90mm thickness 450mm on the sidewalk and shoulder. 95% modified Proctor	m3	153		-			
2,3		Mechanical stabilised crusher-run 0/45 mm thickness 80mm on the carriageway. 95% modified Proctor	m3	120		-			
2,4		Mechanical stabilised crusher-run 0/45mm thickens 100mm on the sidewalk and shoulder. 95% modified Proctor	m3	34		-			
2,5		Coarse grained asphalt 0/35mm, thickness 130mm on the carriageway	m3	182		-			
2,6		Fine grained asphalt 0/10 mm, thickness 40mm on the carriageway	m3	56		-			
2,7		Fine grained asphalt 0/10mm, thickness 40mm on the sidewalk and shoulder	m3	14		-			
2,8		Precast concrete curbstone laid in a bed of concrete 1:4:7	m	100		-			
				TOTAL 2		-			
6. Finishings: Street furniture									
6,1		Steel safety barriers	m	90		-			
6,2		Road painting - single line (glass particle mixing paint)	m	500		-			
				TOTAL 6		-			
9. Drainage									
9,1		Mechanical excavation of trenches and drainage chambers. Transport 500m	m3	80		-			
9,2		Perforated PVC pipes minimum ND 110 at a depth of 1m	m	200		-			
9,3		PVC drainage chambers ND 315. Depth 1.6m including cast iron frame and gratings	u	8		-			
9,4		Gravel 5/15mm in drainage trenches	m3	50		-			
				TOTAL 9		-			

General Total -