



**LITHUANIAN ROAD
ADMINISTRATION**

Road Maintenance Contracts

Performance-based Road Maintenance Contracts in Lithuania

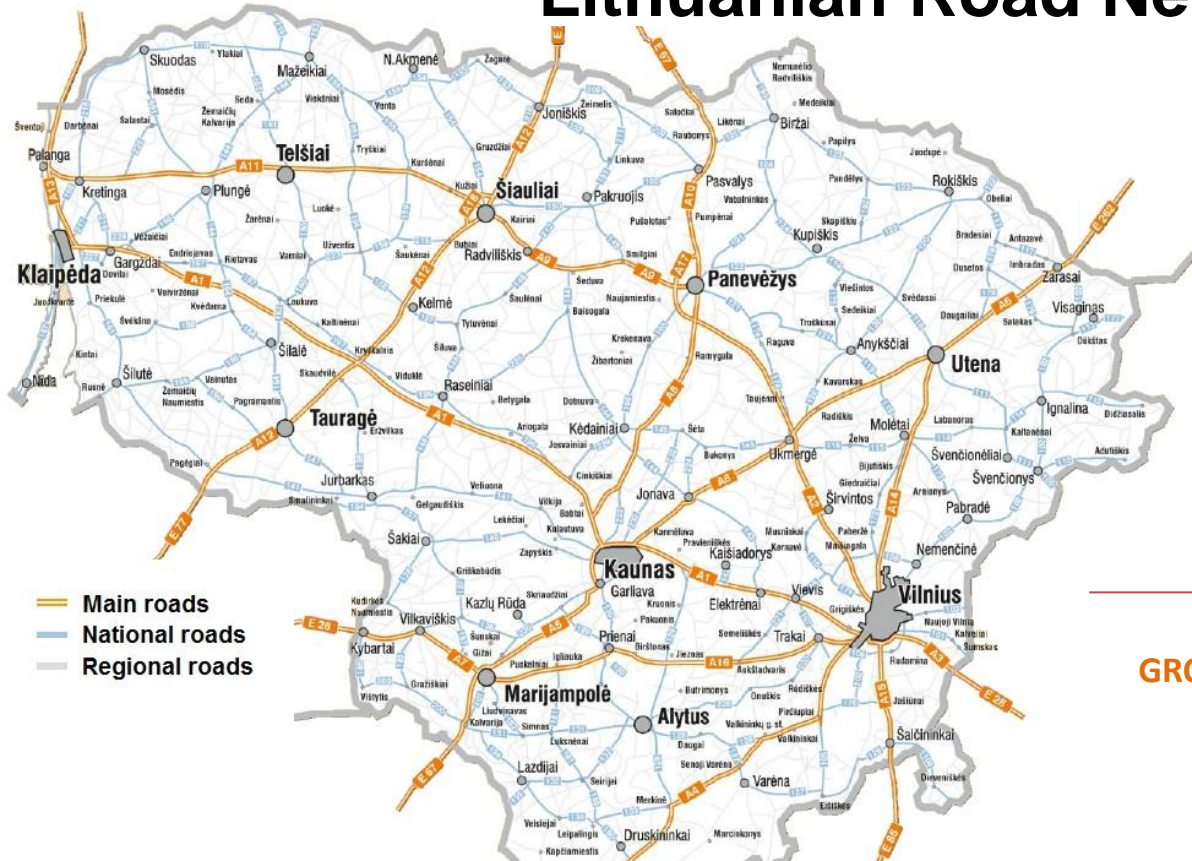


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Engineer

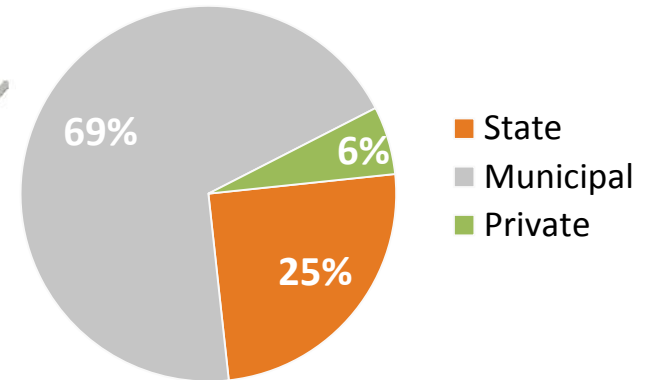
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Lithuanian Road Network

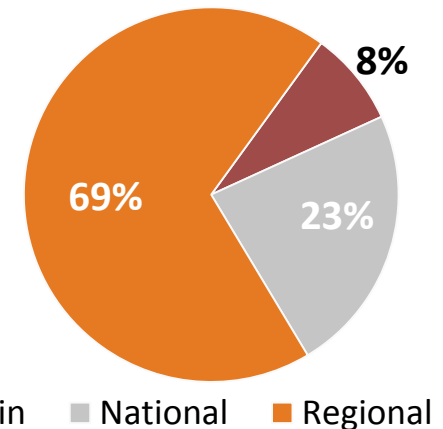


— Main roads
— National roads
— Regional roads

ROAD NETWORK IN LITHUANIA



GROUPS OF STATE SIGNIFICANCE ROADS



Length of state significant roads, 2014

Groups of roads	Length, km	Total length, km
Main	1 745	21 254
National	4 936	
Regional	14 574	



Types of Contracts used in Road Maintenance Area

Type I		Type II	Type III
Routine maintenance/ Minor periodic maintenance		Periodic road maintenance	
<p>Routine maintenance:</p> <ul style="list-style-type: none"> • Winter service works • Patching, crack sealing • Grass mowing • Gravel road grading • Shoulders ordering • Maintenance of traffic signs and marker posts • Sweeping, litter pick-up, etc. 	Road marking	Surface dressing (and other road repair works)	
<p>Minor periodic maintenance:</p> <ul style="list-style-type: none"> • repair of embankment, shoulders and ditches • installation of new traffic signs and safety barriers • Repair of asphalt and gravel defects • Repair and installation of new road buildings, etc. 	Method-based	Method-based	
Performance-based	Method-based	Unit Price	Unit Price
Fixed Price	Unit Price	Public tender	Public tender
No tendering		Private Contractor	Private Contractor
State companies		3 years contract	1 year contract
3 years contract			

Type I

Routine maintenance / Minor periodic maintenance

CONTRACTING TERRITORIES



- 11 state companies.
- Contracts with 10 state companies are based on the territorial principle (except contract of motorways).
- Fixed fee per km of road

□ The green bold *line* shows the contract of motorways



Type I

Routine maintenance / Minor periodic maintenance

Outcome-based Criteria and Performance Requirements

ROAD MAINTENANCE MANUAL

WINTER MAINTENANCE

Road Group	Maintenance level	Road must be cleaned and spreaded*	Traffic may be interrupted	Permissible snow height during snowfall
Main	I	within 2 h	not more than 2 h	Loose snow - 4 cm Compacted snow -1 cm
	II	within 3 h	not more than 3 h	Loose snow - 5 cm Compacted snow -2 cm
National	II	within 4 h	not more than 8 h	Loose snow - 7 cm Compacted snow -3 cm

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SUMMER MAINTENANCE

Road element	Indicator	Requirement	level I	level II	level III
Asphalt pavement	Cracks	Can't be cracks wider than:	5 mm	10 mm	19 mm
		Must be repaired before:	1st of May	15th of May	1st of June
	Potholes	In spring must be repaired before:	1st of May	15th of May	1st of June
		Later must be repaired within: in Main roads	2 days (1 day*)	3 days (1 d*)	5days (1 d*)
	in National roads	3 days (1 d*)	5 days (1 d*)	7 days (1 d*)	
	in Regional roads	5 days (1 d*)	10 days (1 d*)	n/r (1 d*)	

*- dangerous potholes (deeper than 40 mm and larger than 0,1 m²)

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Type I

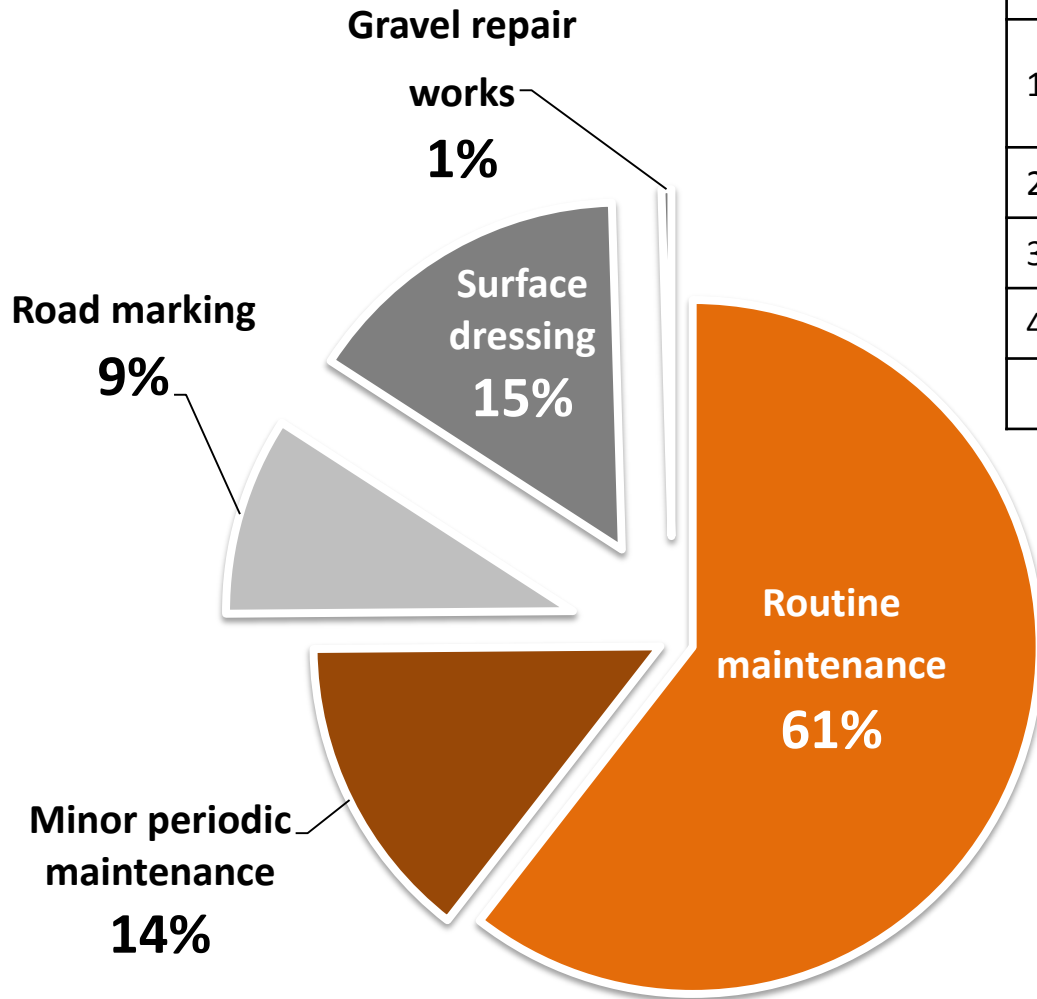
Routine maintenance / Minor periodic maintenance

Monitoring

TYPE	ROUTINE MAINTENANCE			PERIODIC MAINTENANCE	
	Daily Inspections	Special Inspections	Special Control Insp.	Supervision	Acceptance of works
FREQUENCY	Main roads -1/day National – 2/week Regional – 1/month	1/month (25% roads)	According to schedule (May, October)	Constantly when works are performed	Every Month
PERFORMS	Road Master	Supervisor	Representatives of LRA and State companies	Supervisor	Supervisor and representative of LRA
OBJECTIVES	Immediately eliminate dangerous defects; Provide small scale works	Road compliance with standards; Impose a Penalty	Reinspection; General Act on Road Maintenance Quality	Control of periodic maintenance works and quality of materials	Take over of periodic maintenance works



The Structure of Road Maintenance Financing (2014)



				Thousand Euros
1	TYPE I		Performance-based	56 825
			Method-based	13 480
2	TYPE II		Method-based	8 696
3	TYPE III		Method-based	14 458
4	TYPE III		Method-based	433
Total:				93892

Thank you!

