NZ Transport Agency's 2016/17 Research Programme Framework

Transport Agency research area	Research objectives	High strategic fit	Medium strategic fit

Improved access (Operations focus)	• More efficient vehicle movement
	• More efficient freight logistics
	• More effective public transport
		Research outputs that help facilitate or understand:
		
		• Maximising access to significant markets, areas of employment or economic growth
		• Improving journey time reliability on key routes or in major urban areas with severe congestion
		• Optimising public transport services and infrastructure
		• Optimising use of existing infrastructure on key routes
		• Optimising levels of service for safety and network security and resilience
			Research outputs that help facilitate or understand:
			
			• Potential for significant improvements in or contribution to one or more of:
			  o transport choice in major urban areas
			  o transport interconnections and ease of changing modes in major urban area
			  o network security and resilience
			  o managing the adverse environmental effects from land transport
			• Potential to meet agreed levels of service on existing infrastructure for:
			  o safety
			  o network security and resilience
			  o managing adverse environmental effects from land transport
			• Potential for significant improvements on key routes in one or more of:
			  o journey time reliability
			  o congestion in main urban areas
			  o capacity constraints
			  o network security and resilience

More efficient and reliable networks (Infrastructure focus)	• More effective integration of national and regional networks • More efficient transport network operation • Improved state highways • Smarter asset management		

Transport Agency research area	Research objectives	High strategic fit	Medium strategic fit

Better integrated transport and land use (Planning focus)	• Increased urban transport efficiency
	• Improved business productivity
	• Increased inter-regional transport efficiency
		Research outputs that help facilitate or understand:
		
		• Extracting maximum value from services and infrastructure
		• Areas where there is a high strategic fit for transport planning
		• Effective interventions to reduce transport costs
			Research outputs that help facilitate or understand:
			
			• Potential for significant improvements in or contribution to one or more of:
			  o transport choice in major urban areas
			  o transport interconnections and ease of changing modes in major urban area
			  o network security and resilience
			  o managing the adverse environmental effects from land transport.
			• Potential for significant improvements on key routes in one or more of:
			  o journey time reliability
			  o congestion in main urban areas
			  o capacity constraints
			  o network security and resilience

Improved transport safety (*Safer Journeys* focus)	• Reduced number of road deaths and serious injuries
	• Safe roads & roadsides
	• Safe vehicles
	• Safe road users
	• Safe speeds
		Research outputs that help facilitate or understand:
		
		• Facilitating delivery of a *Safer Journeys* initiative
		• Effect of interventions on safety outcomes
		• Adoption of a safe system approach
		• Greater understanding of the safety aspects of:
		  o Alcohol/drug impaired driving
		  o Speed
		  o High risk drivers
		  o Fatigue & distraction
		  o Roads & roadsides
			Research outputs that help facilitate or understand:
			
			• Contributing to a *Safer Journeys* initiative
			• Role of enforcement within safe system
			• Use of incentives to modify driver behaviour
			• Greater understanding of the safety aspects of:
			  o Young drivers
			  o Motorcycling
			  o Heavy motor vehicles
			  o Restraint use
			  o Walking & cycling

Improved environmental and social well-being	• Reduced transport carbon emissions • Lower negative ecological impacts • Reduced use of natural resources • Improved community health and well-being		**Research outputs that help facilitate or understand:** • Managing adverse environmental effects from land transport