

# 2015-2016 NACOE Research Program

NACoE Project Title  
Number

## Pavements

P2	Stabilisation Practices in Queensland
P30	Use of bagasse ash and fibres in pavement construction in Queensland
P10	Characterisation of Asphalt Fatigue at Queensland Pavement Temperatures
P45	Implementation of thin asphalt surfacings in Queensland
P50	Review of asphalt overlay design guide for rigid pavement
P31	Transfer of appropriate crumb rubber modified (CRM) asphalt in spray seal technology to Queensland
P34	Development of performance based evaluation protocol for non-standard and marginal granular materials
P15	Monitor high strength granular base and seal trial (Trackstar Alliance Project)
P46	TMR supplement to the Austroads Spray Seal Design Method
P49	Quantifying the benefits of geosynthetics for the mechanical stabilisation of subgrade soils
P8	Performance of TNRP flood repairs
P48	Non destructive assessment of pavement seal vulnerability
P43	Long term pavement performance
P39	Long life pavement alternatives for Queensland
P40	Benefits of traffic speed deflectometer data in pavement analysis

## Asset Management

A4	Accounting for life cycle costing implications and network performance risks of rain and flood events
A20	Scanning and scoping technologies that evaluate the remaining service life of sprayed seals using advanced bitumen testing technologies
A21	Impact on pavement surface conditions (roughness, rutting, cracking, potholing) of substantially reduce surface maintenance
A26	Incorporation of the pavement risk score into the pavement condition index

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## Structures

S1	Measurement of Bridge Vehicle Interaction under live load
S3	Deck unit bridge deck analysis under live load
S6	Review of Bridge Asset Management System
S19	Geopolymer concrete durability and performance review
S15	FRP performance review
S10	Determination and development of targeted routine maintenance requirements in order to provide optimum benefits

## Other

R22	Measuring the cost of congestion on multi-modal basis (on road)
R7	Monitoring and evaluation of safety treatment performance on the Bruce Highway
R46	Network wide reievw of intersection crashes in Queensland
R34	Review of in-service test for road friendly suspensions
O2	Maintain a long term trial research database



