

RAMM

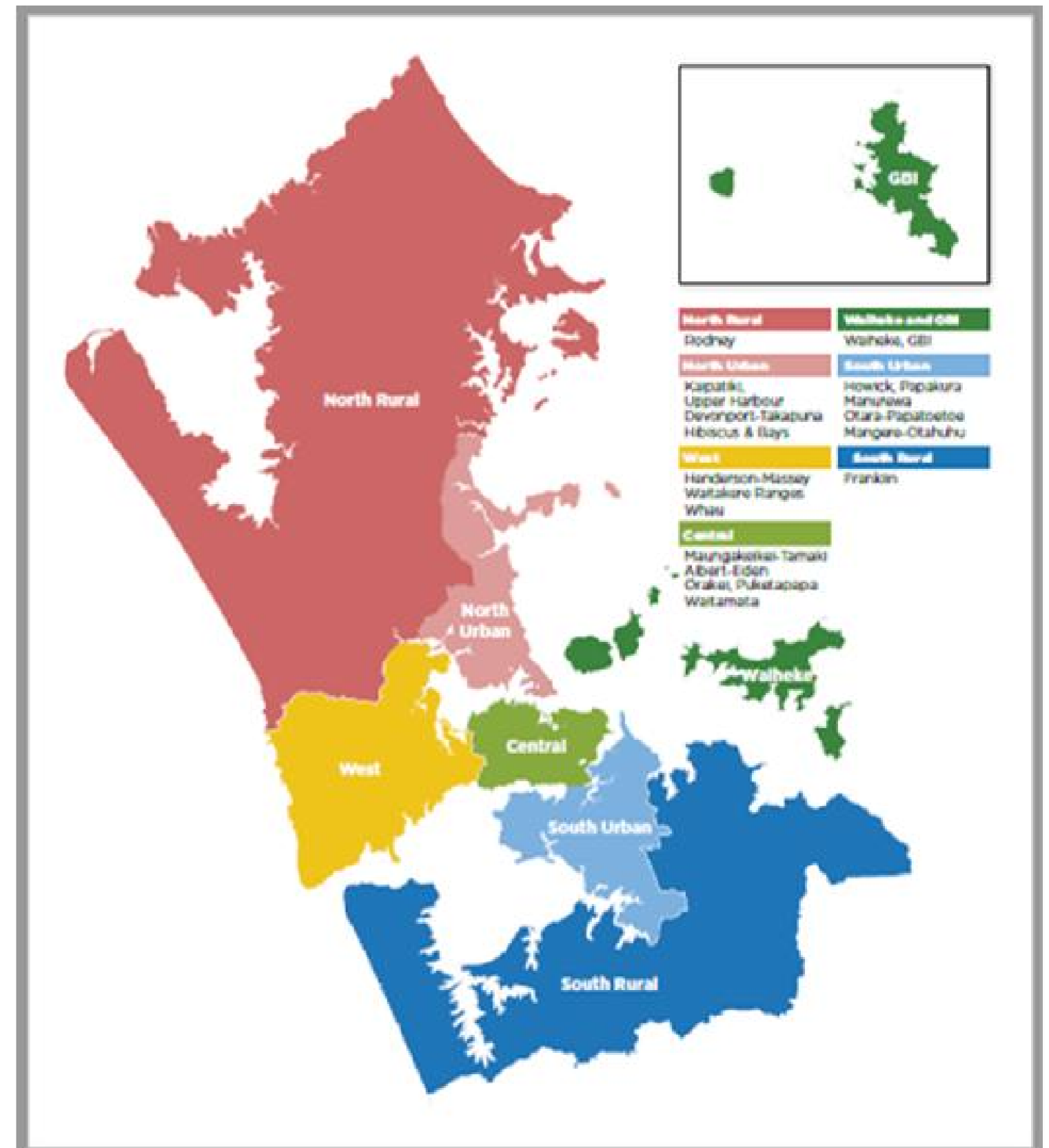
Pavement Data Improvement

12th May 2022



AT Network

- 7,722 km of Road
 - 2,951 Rural (38%)
 - 4,771 Urban (62%)
 - 6,883 Sealed (89%)
 - 839 Unsealed (11%)



Pavement Data Improvement

- Asset Valuations
- Long Term Pavement Performance Modelling (eg dTIMS)
- Renewals Programming

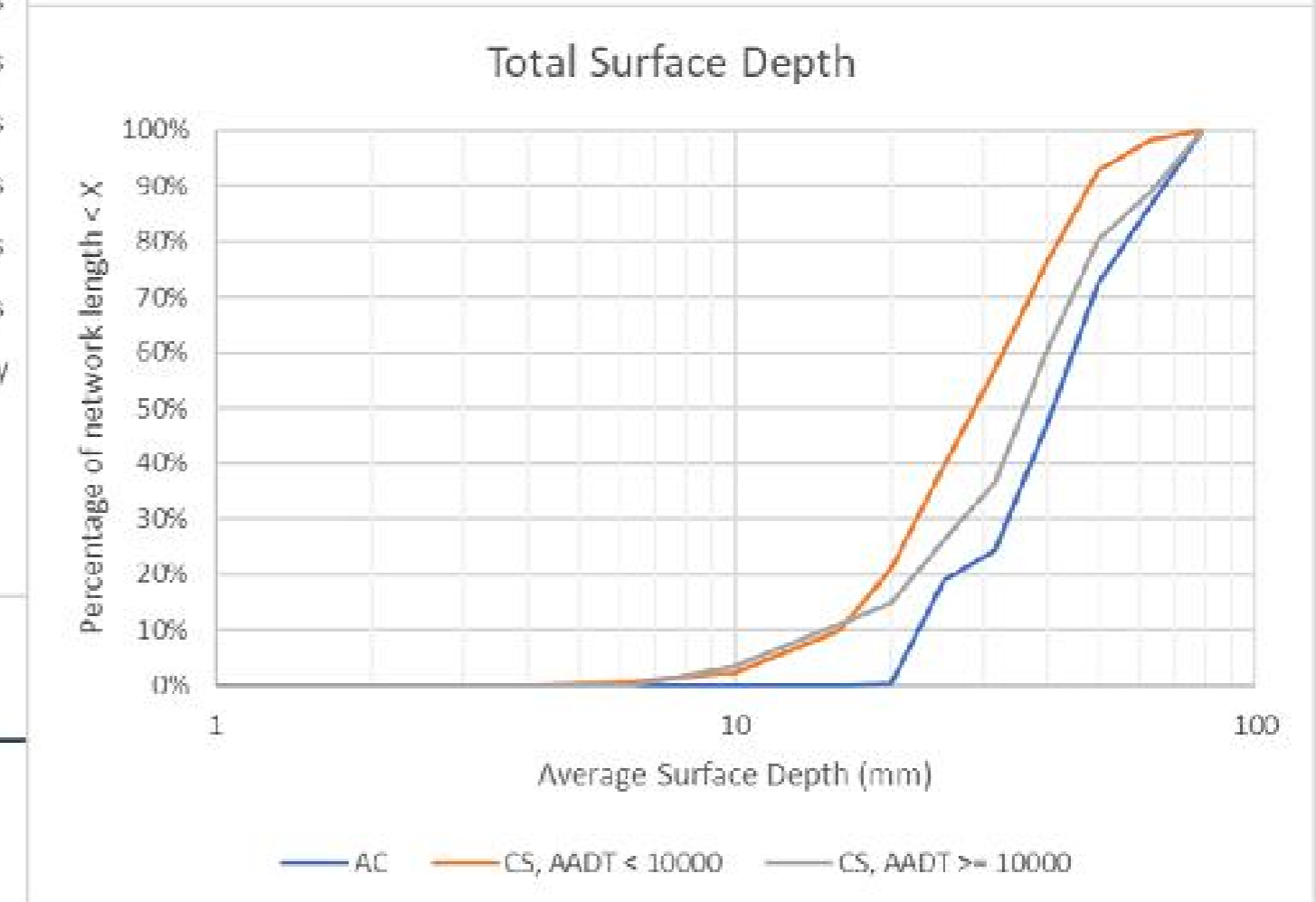
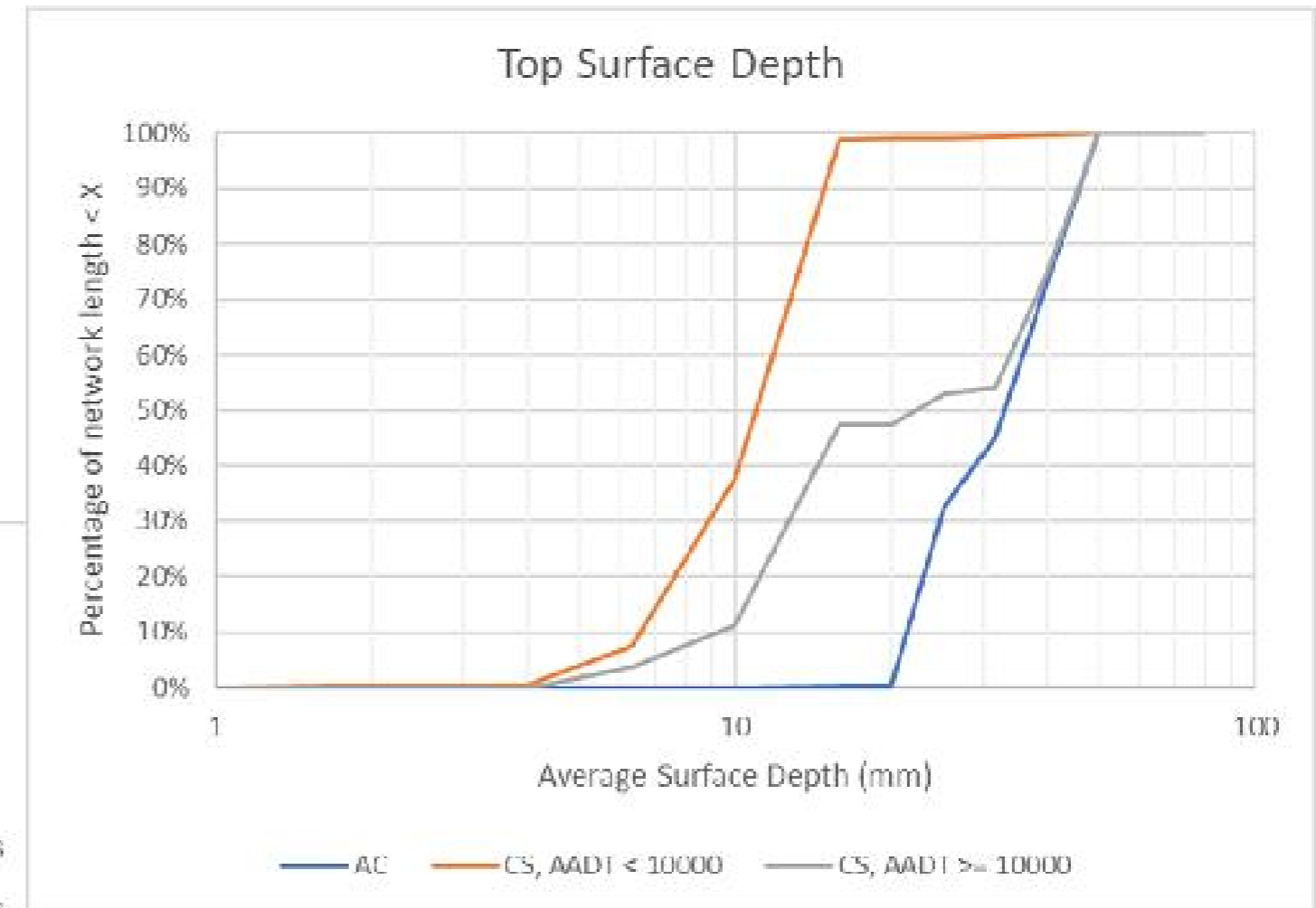
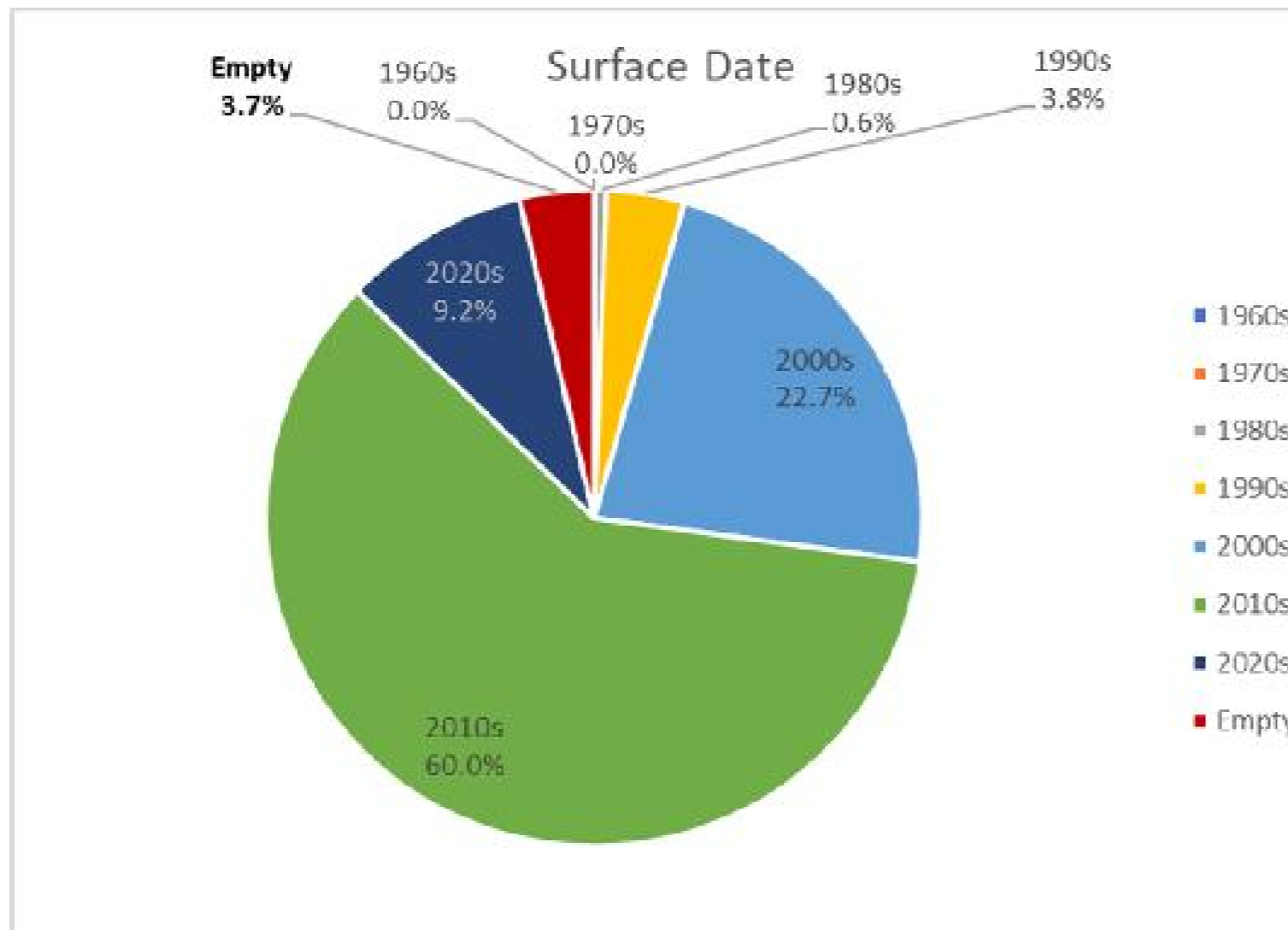
Key Parameters

- Carriageway / Treatment Length
 - Surfacing and Layering
 - ONRC and Urban/Rural
 - Traffic
- Structural
 - Falling Weight Deflectometer
 - High Speed Data
 - Rating

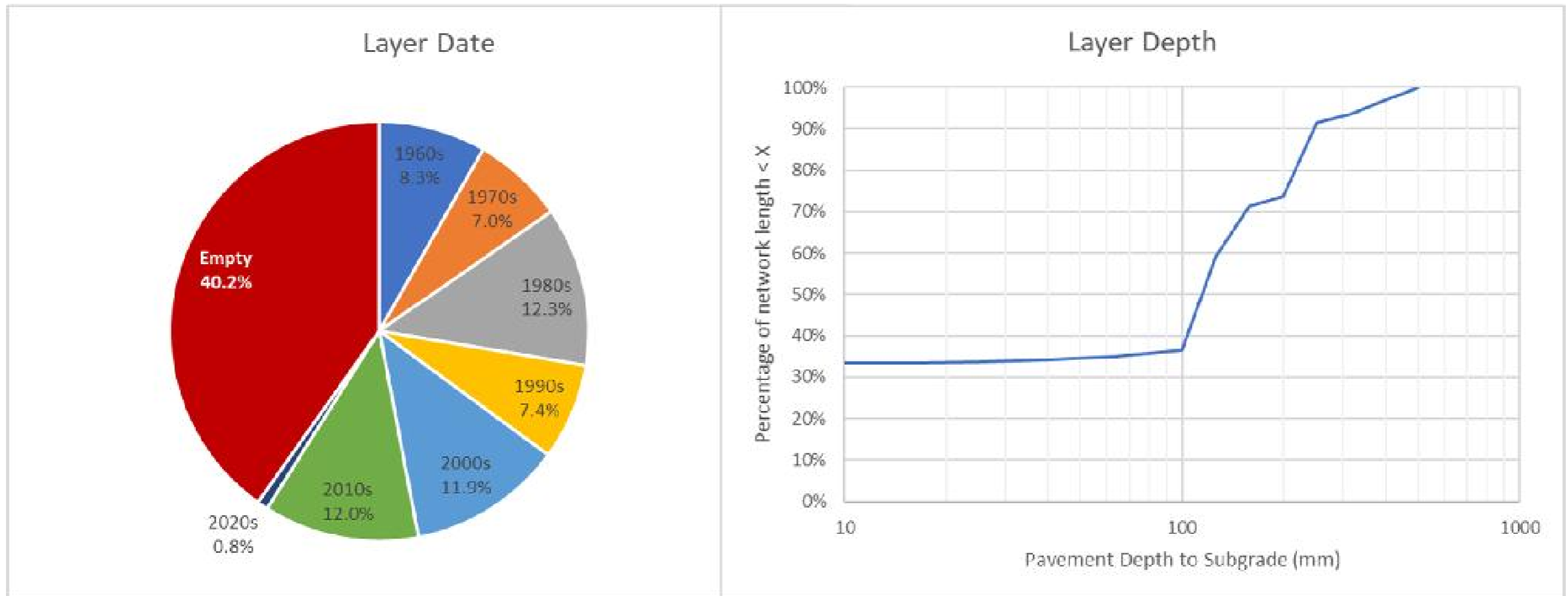
Key Parameters

- Carriageway / Treatment Length
 - **Surfacing and Layering (Depth and Age)**
 - ONRC and Urban/Rural
 - **Traffic (AADT, %HCV, ESA/HCV)**
- Structural
 - **Falling Weight Deflectometer (SNP)**
 - High Speed Data
 - Rating

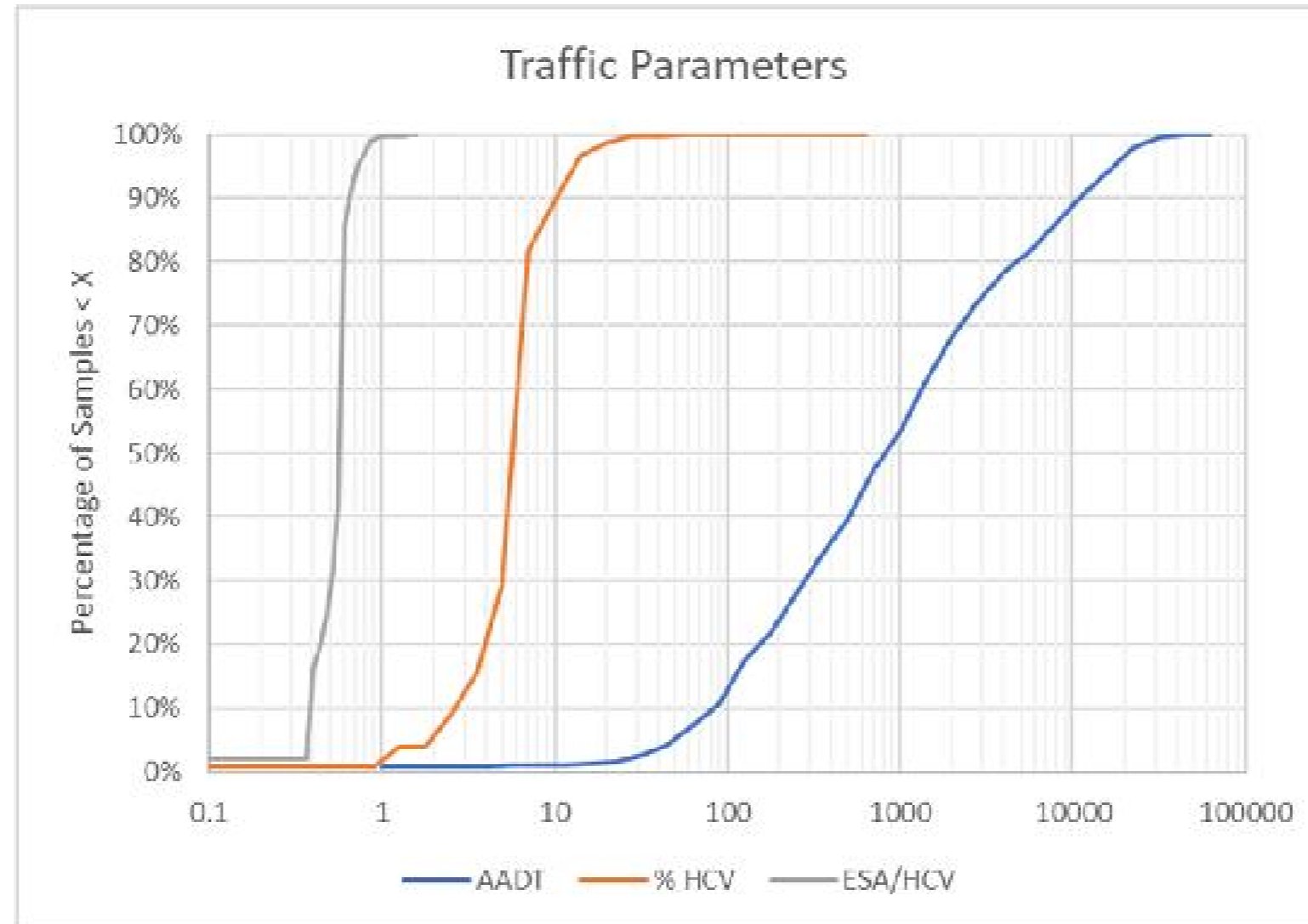
Pavement Surface



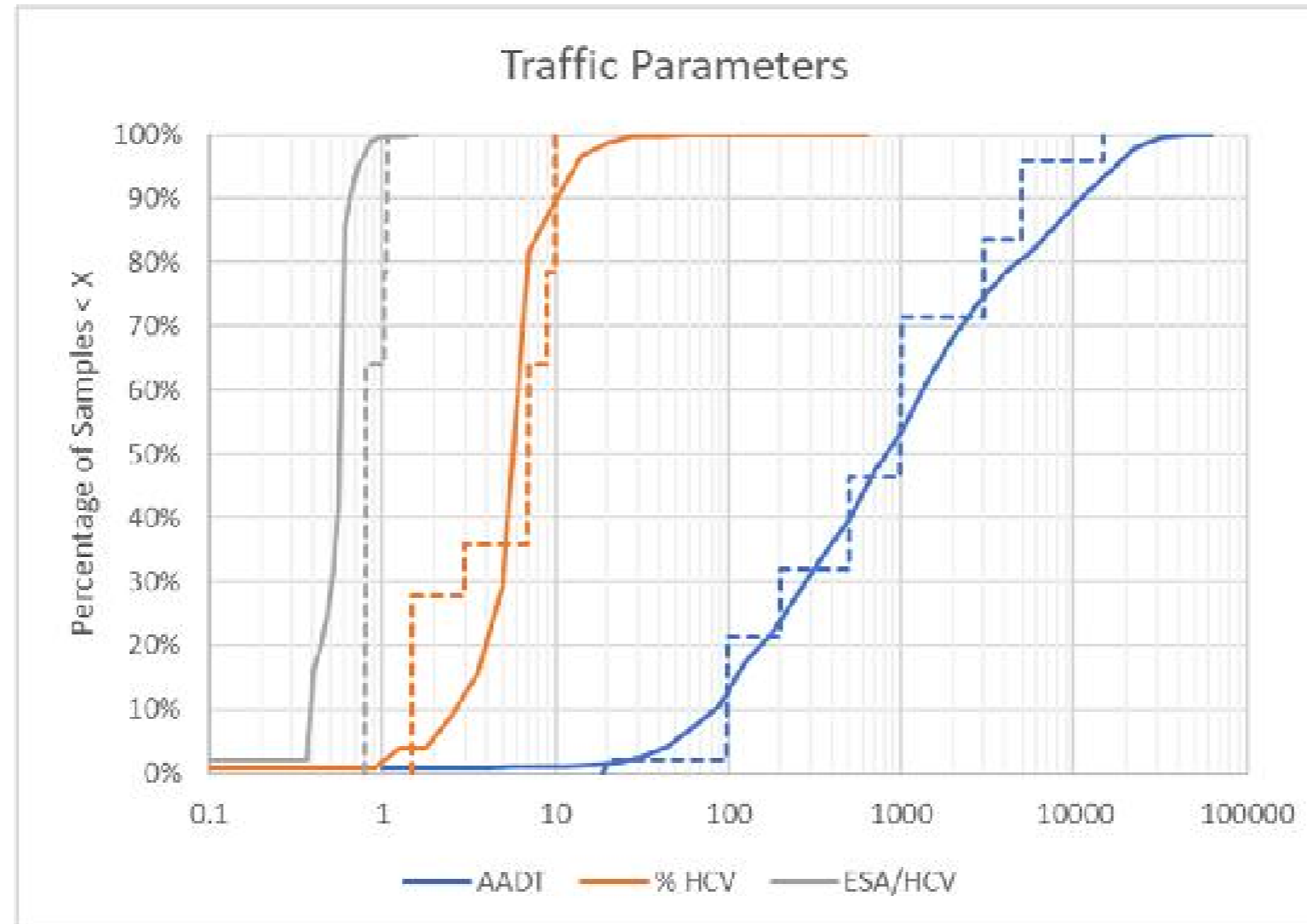
Pavement Layer



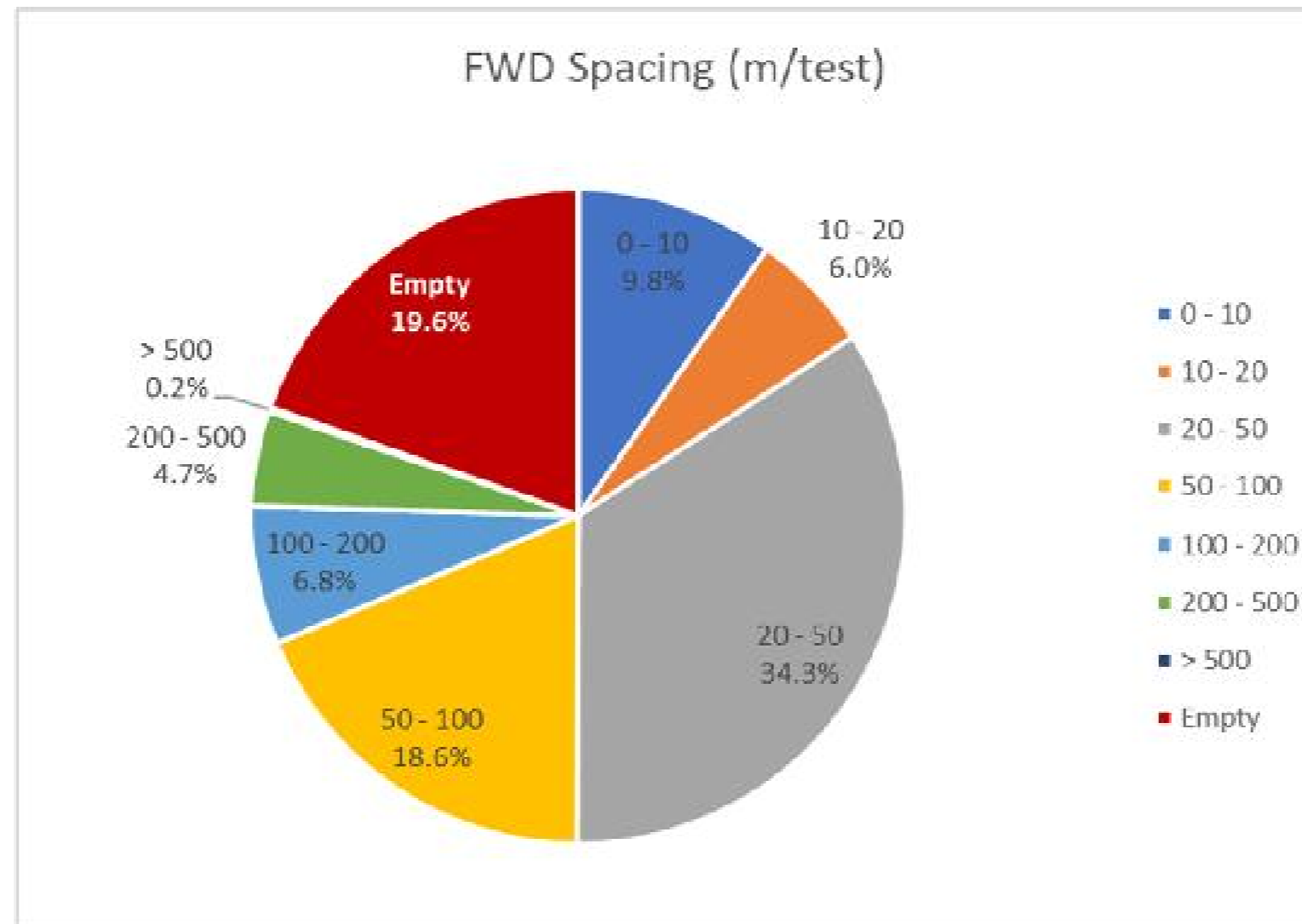
Traffic Data



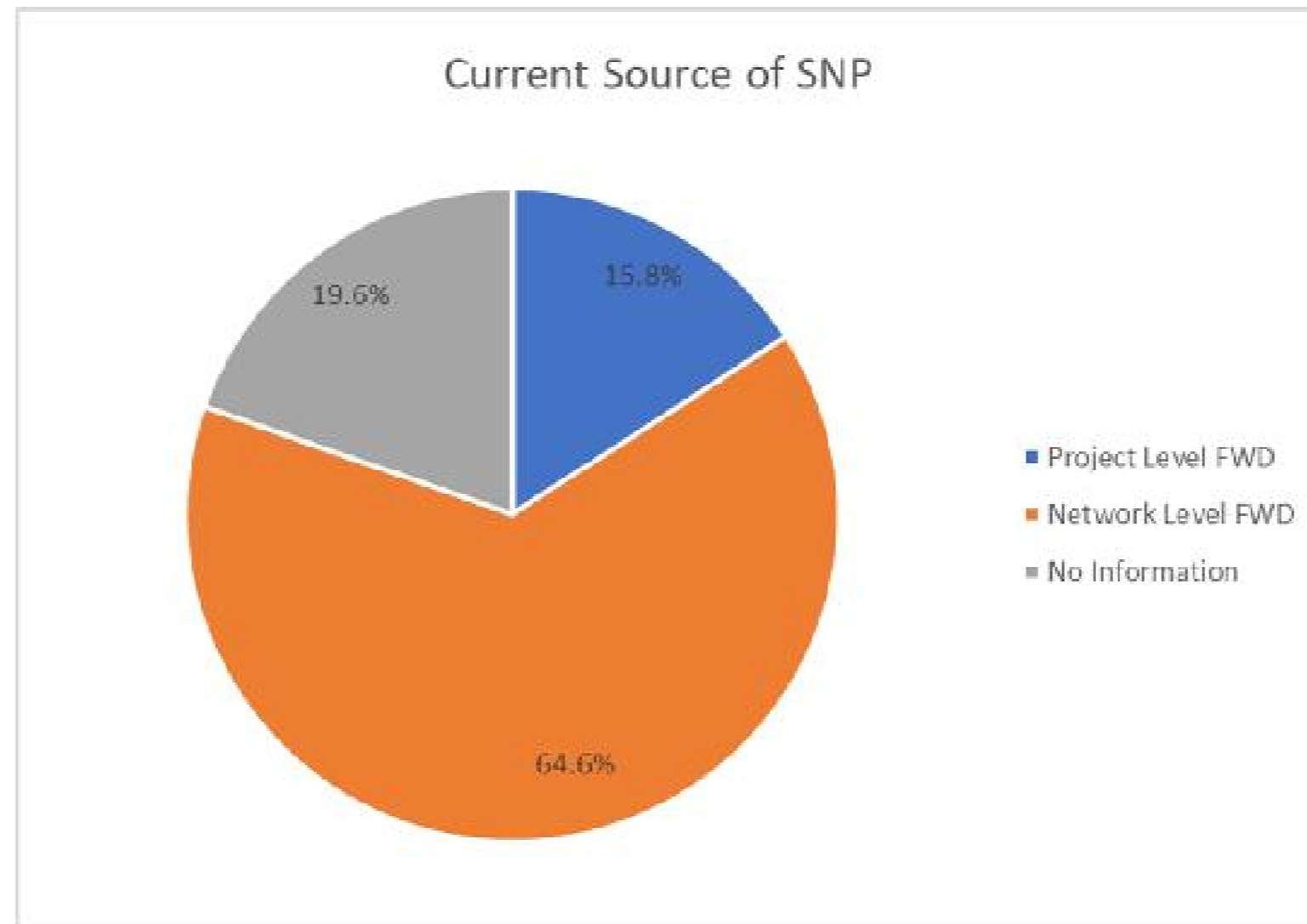
Traffic Data



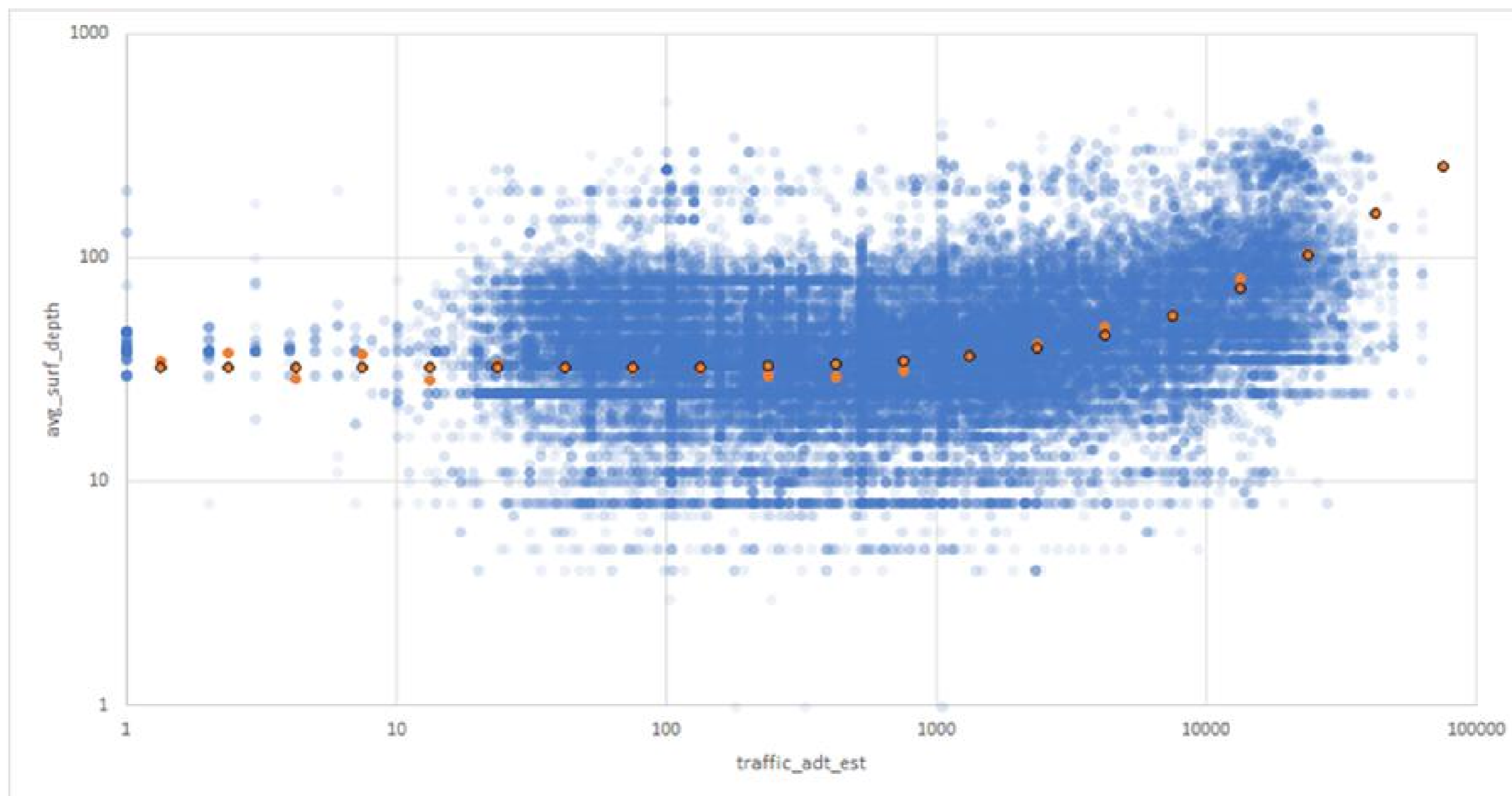
Pavement Strength Data (SNP)



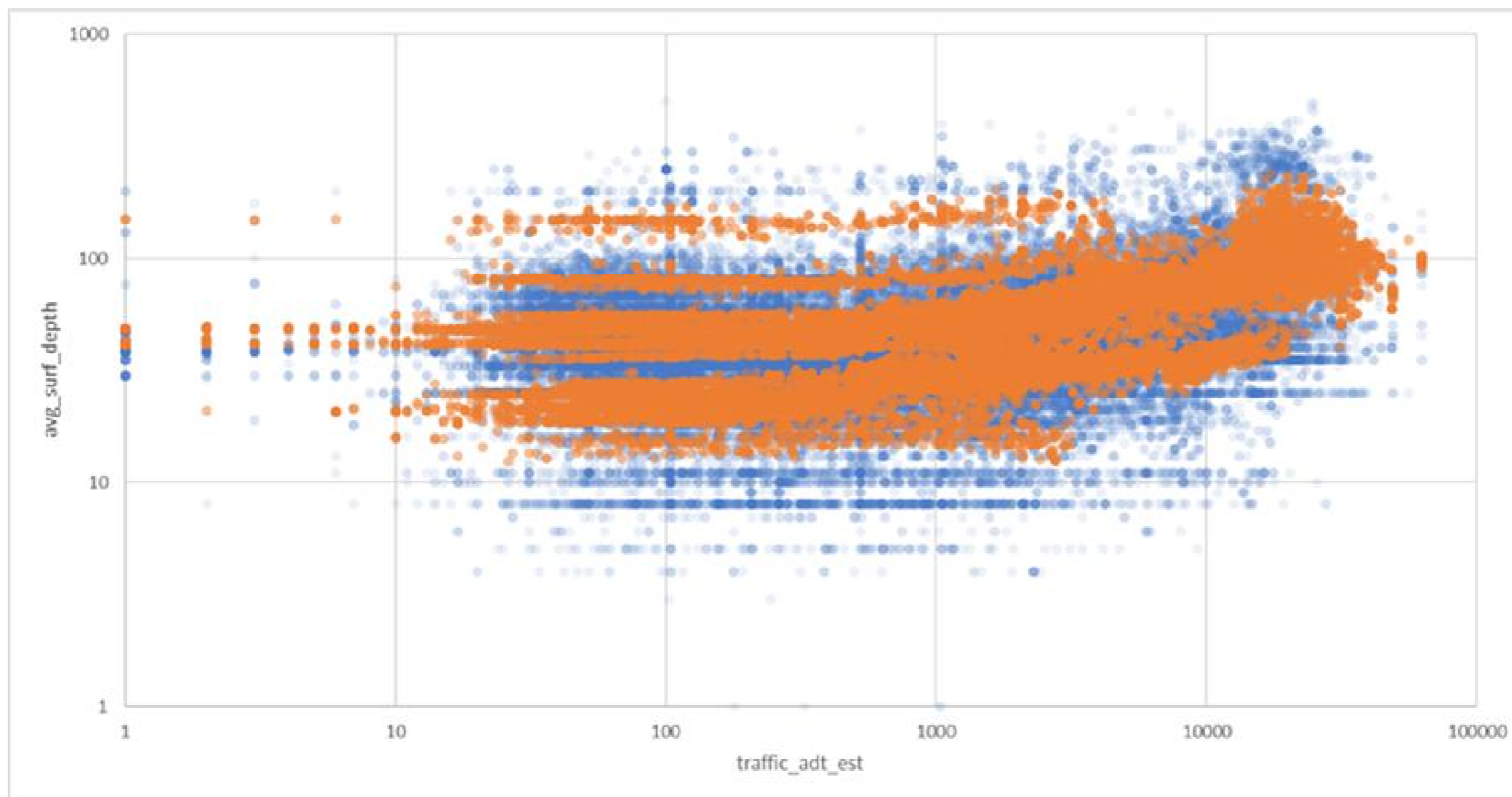
Pavement Strength Data (SNP)



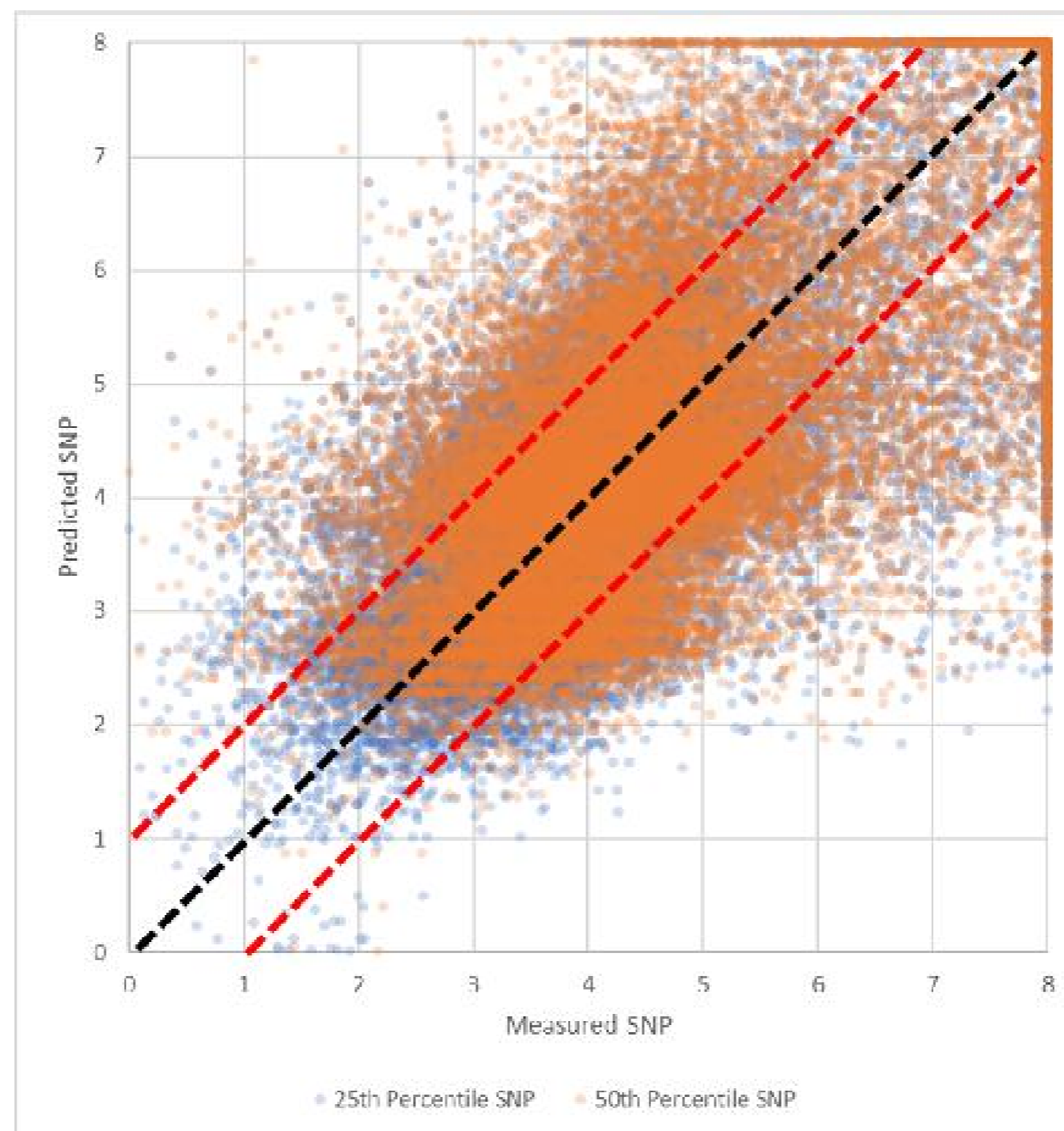
Standard Function



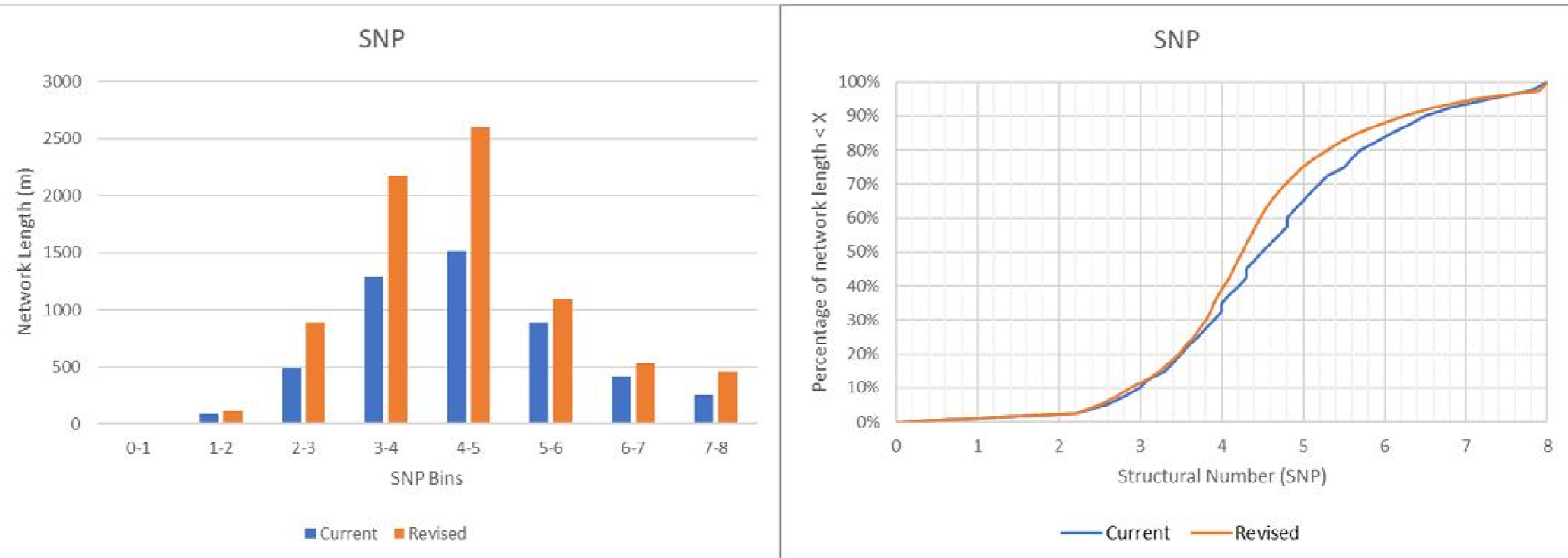
AI Example



AI SNP Analysis

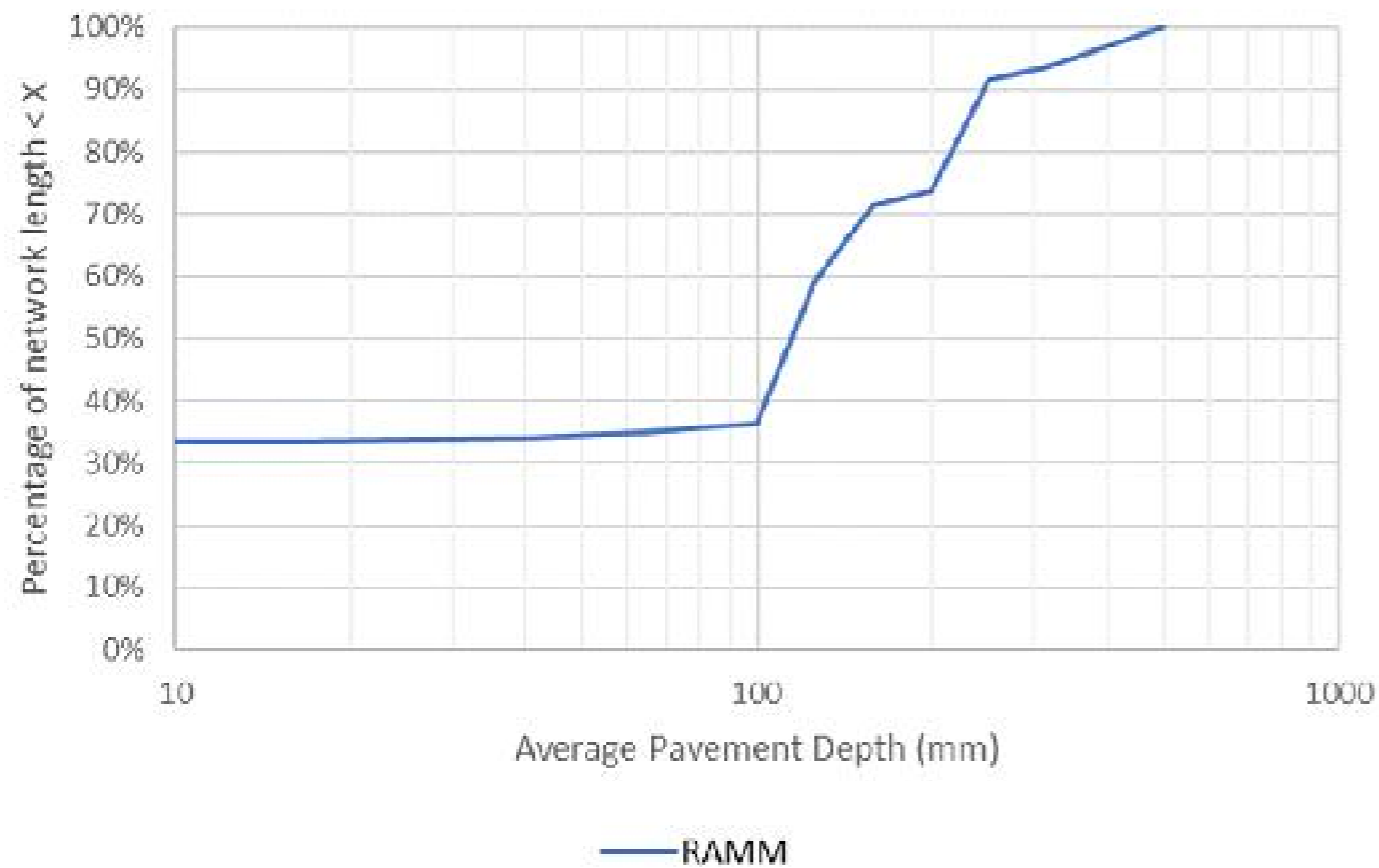


AI SNP Results

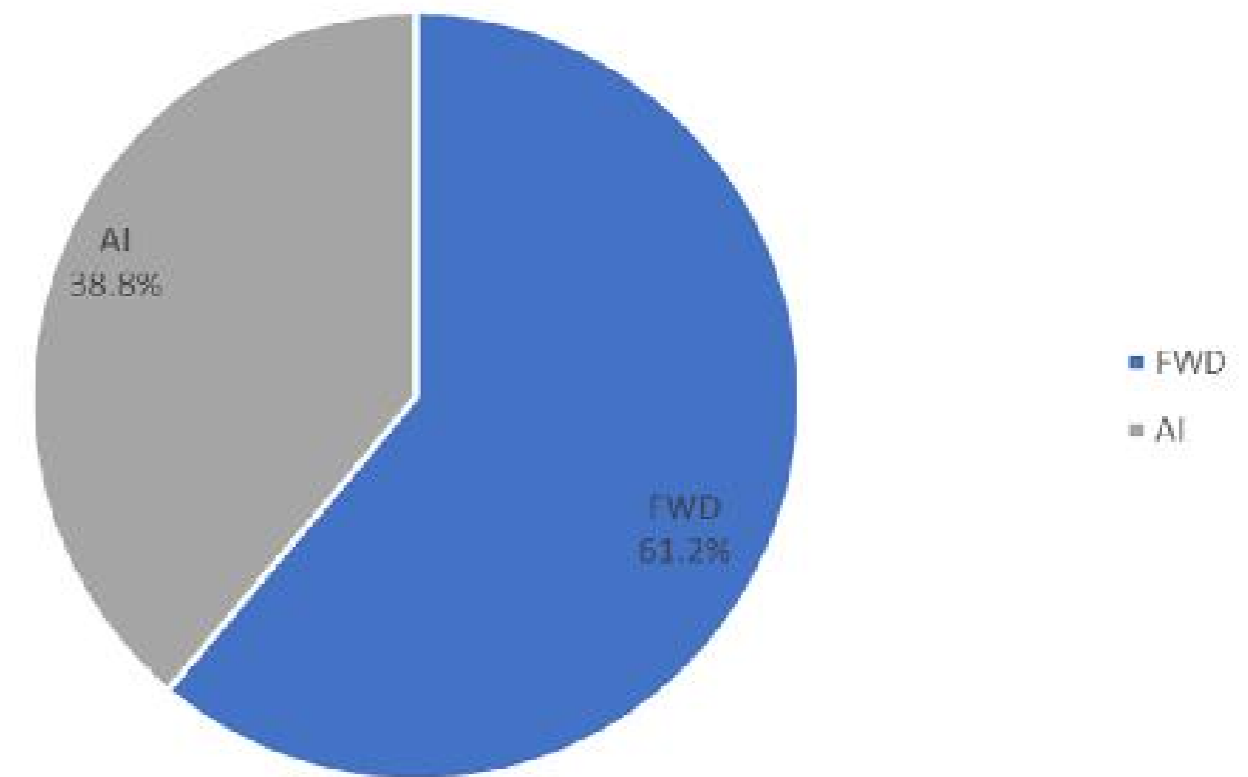


Pavement Layer

Layer Depth

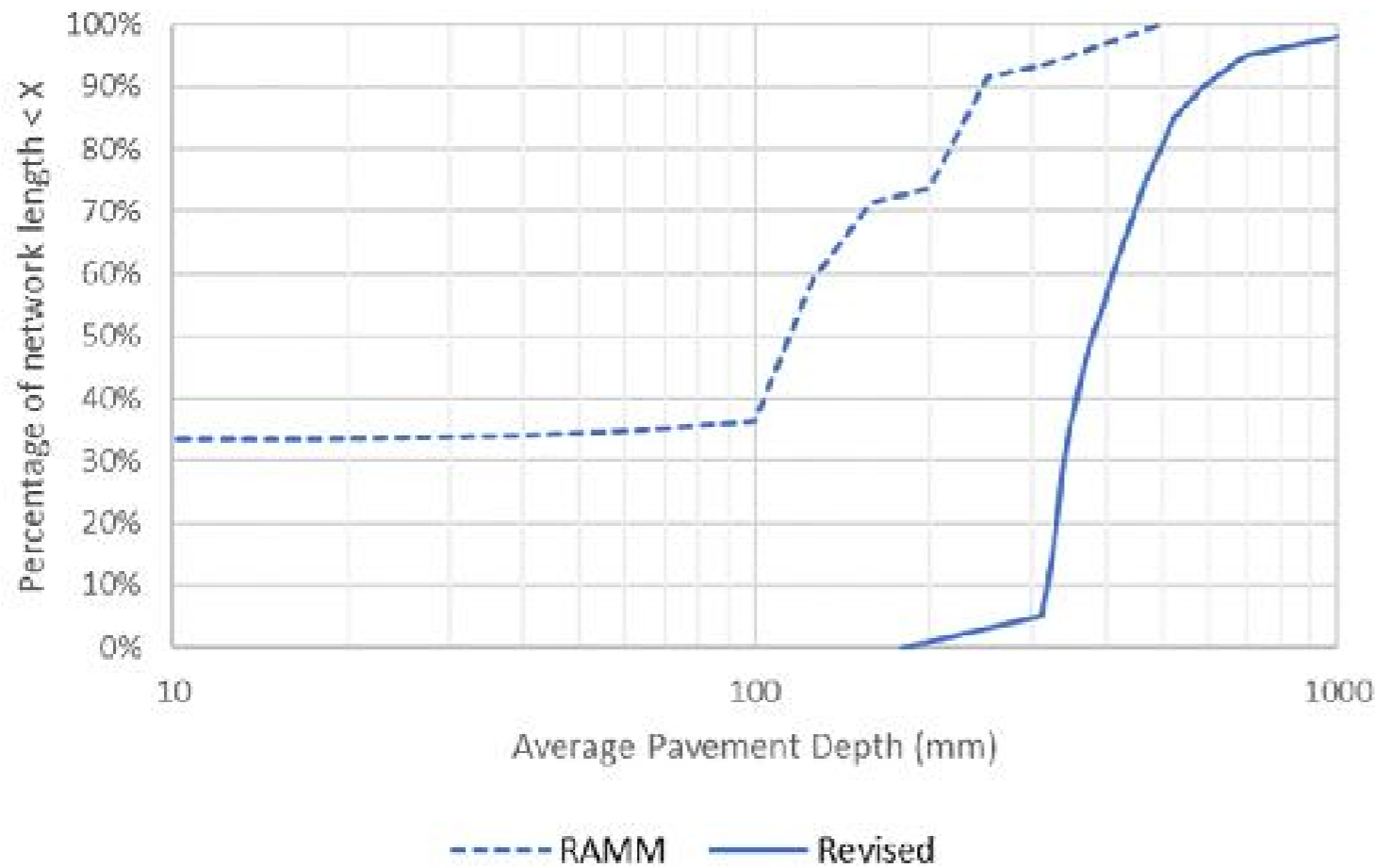


Source of the Layer Depth Calculation

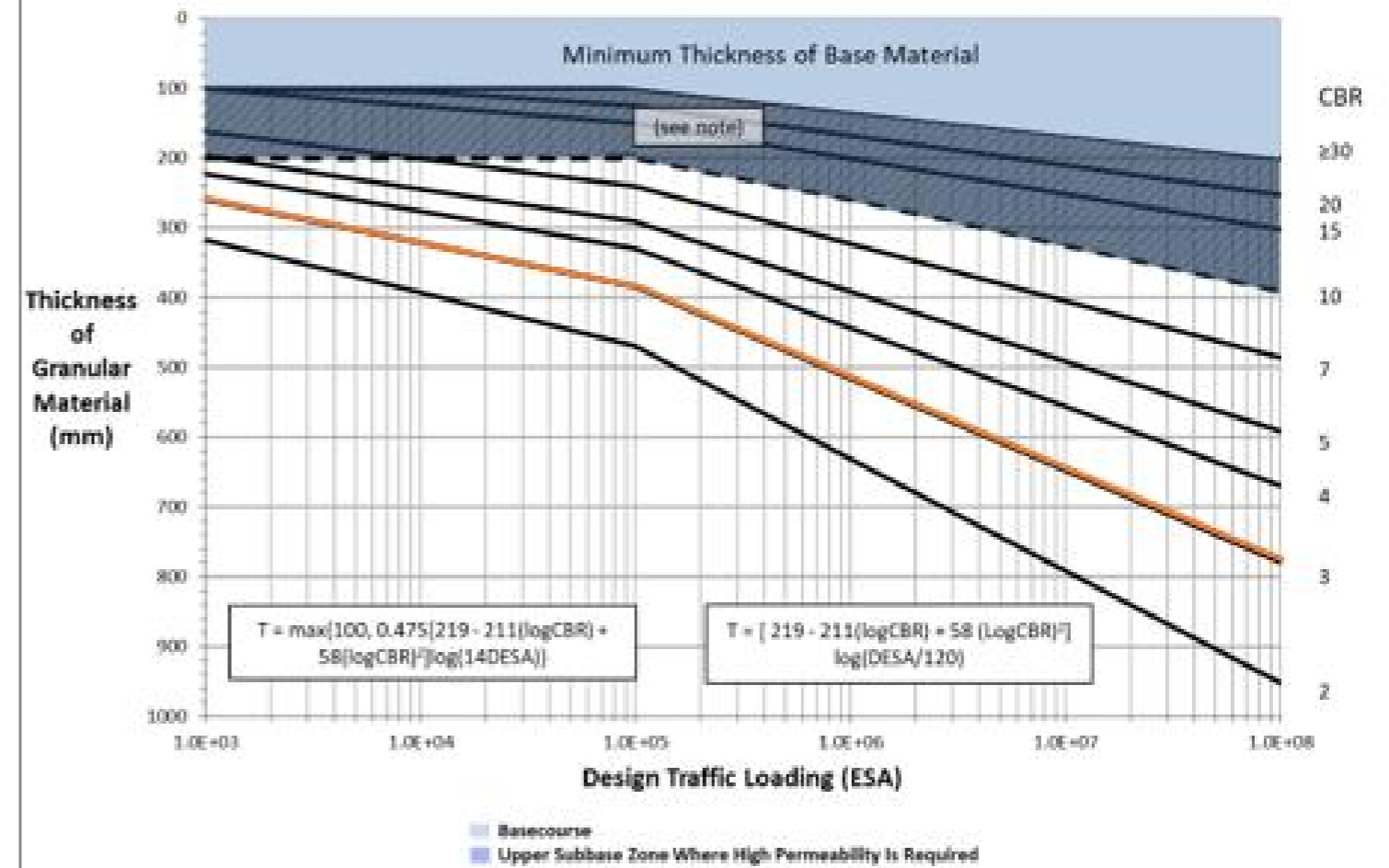


AI Pavement Layer Results

Layer Depth

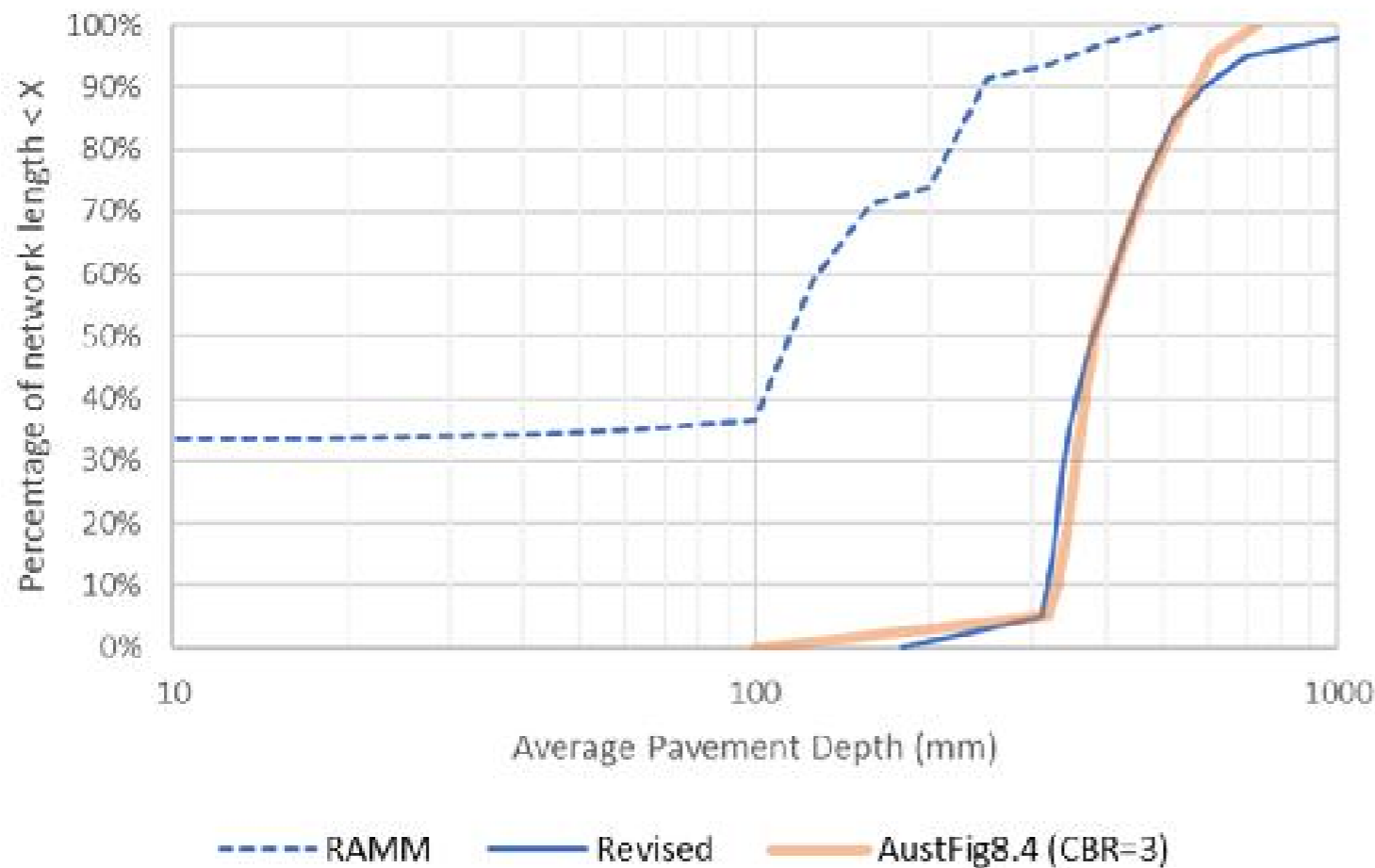


Design chart for unbound flexible pavements

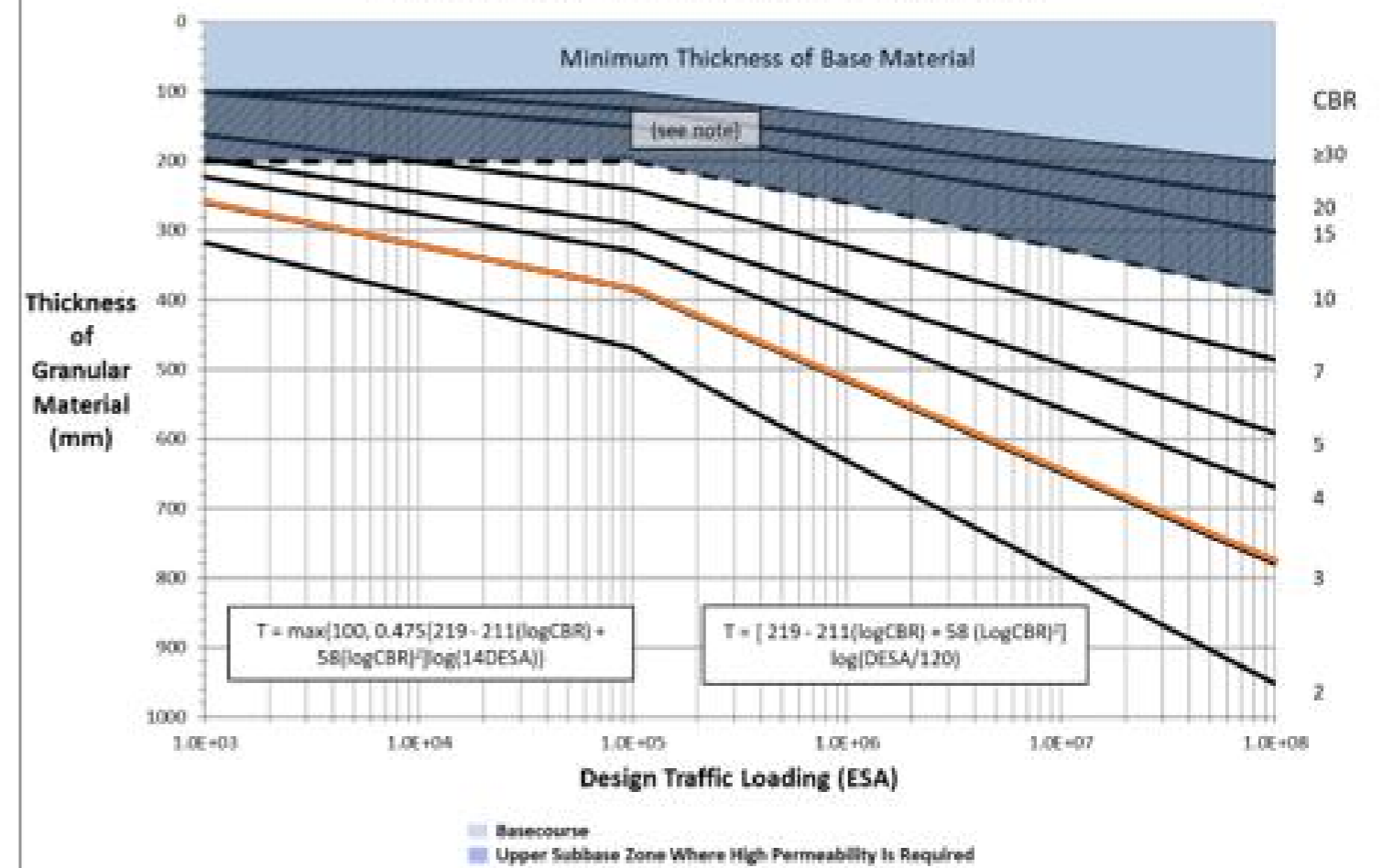


AI Pavement Layer Results

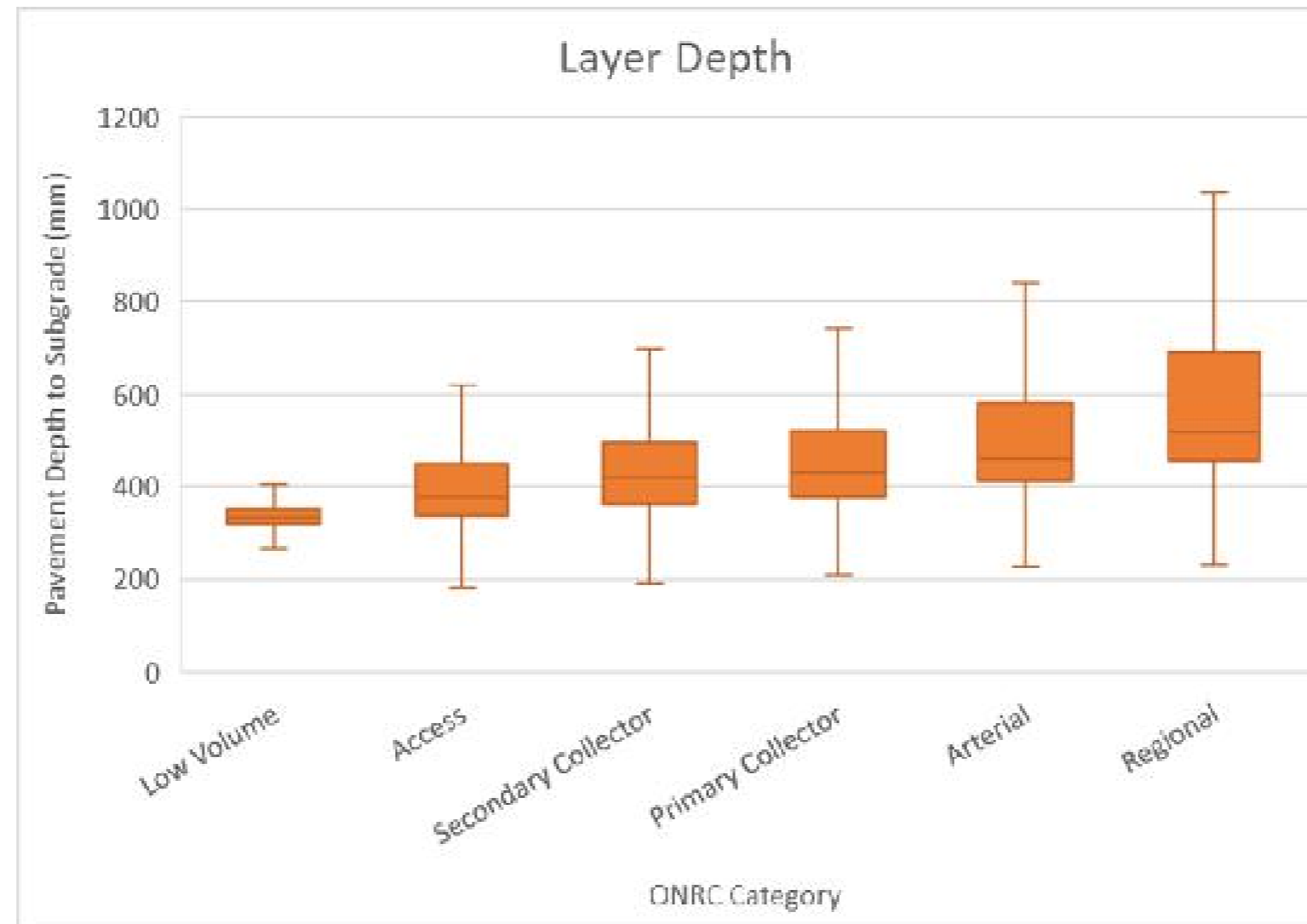
Layer Depth



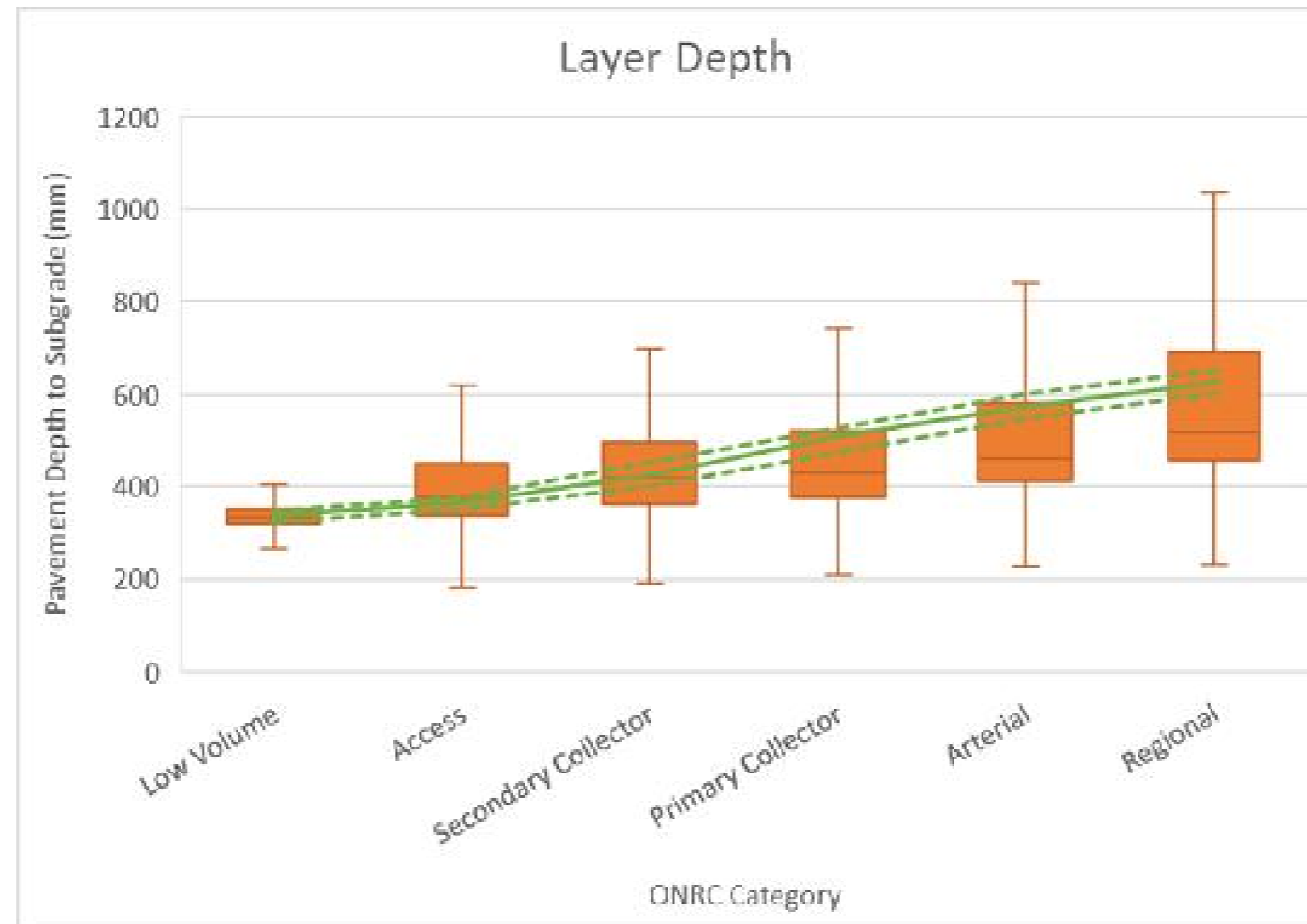
Design chart for unbound flexible pavements



AI Pavement Layer Results



AI Pavement Layer Results



Thank you.

