

ANEXO 1

MIX DESIGN A

Aggregates

Sample Number	% in Mix	Type and Source
1	100	Reclaimed asphalt pavement (RAP) Ex existing pavement

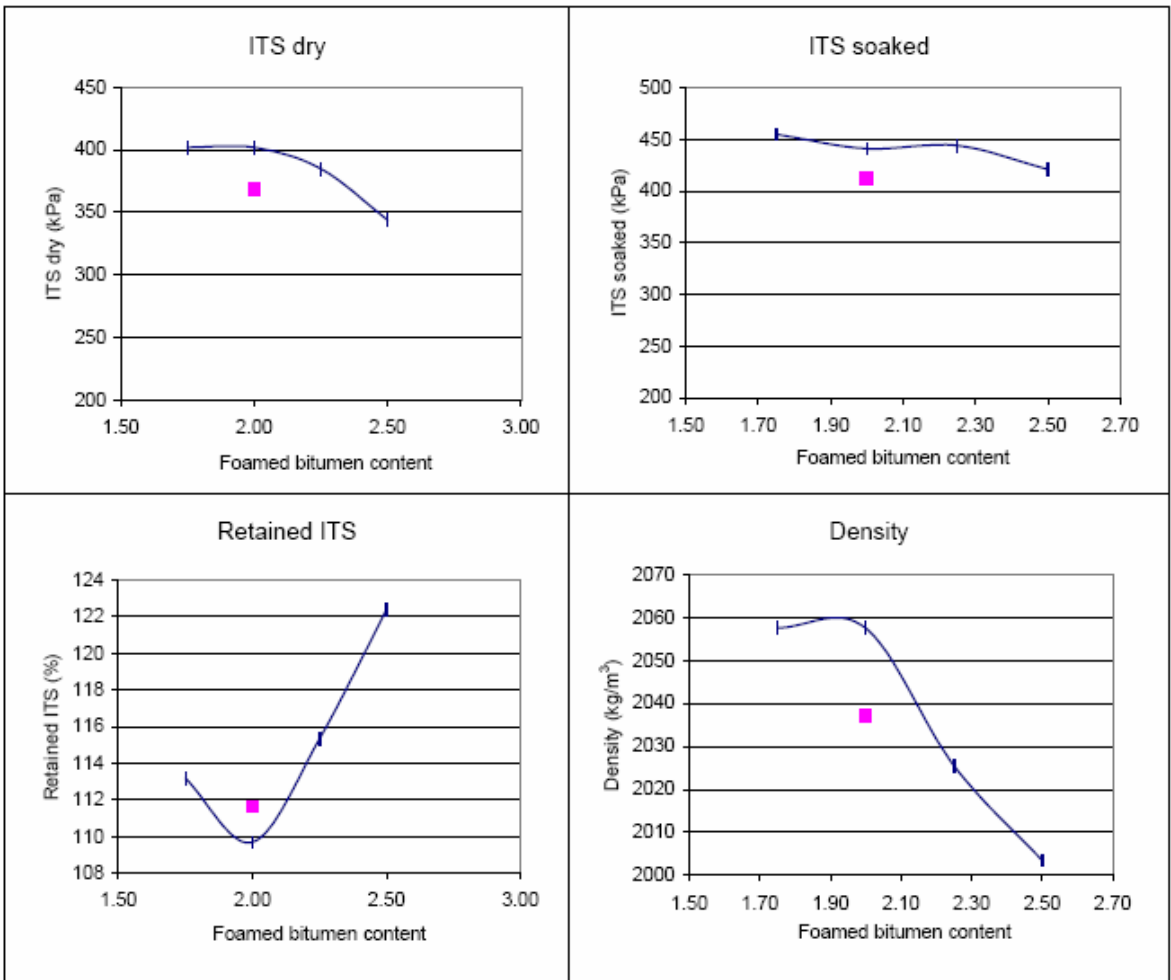
Bitumen

Foamed Bitumen requirements

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.00	1.75	2.00	2.25	2.50
Cement content (%)	1.0	1.5	1.5	1.5	1.5
Avg diameter of specimens (mm)	101	101	101	101	101
Avg height of specimens (mm) :	67	67	67	68	69
Avg mass of specimen (g) :	1094	1105	1105	1104	1108
Density (kg/m ³):	2037	2058	2058	2026	2003
ITS dry (kPa):	369	402	402	385	344
ITS soaked (kPa):	412	455	441	444	421
Retained ITS (%) :	112	113	110	115	122



MIX DESIGN B

Aggregates

Sample Number	% in Mix	Type and Source
1	75	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	25	Granular base - Natural crushed Limestone Ex existing pavement

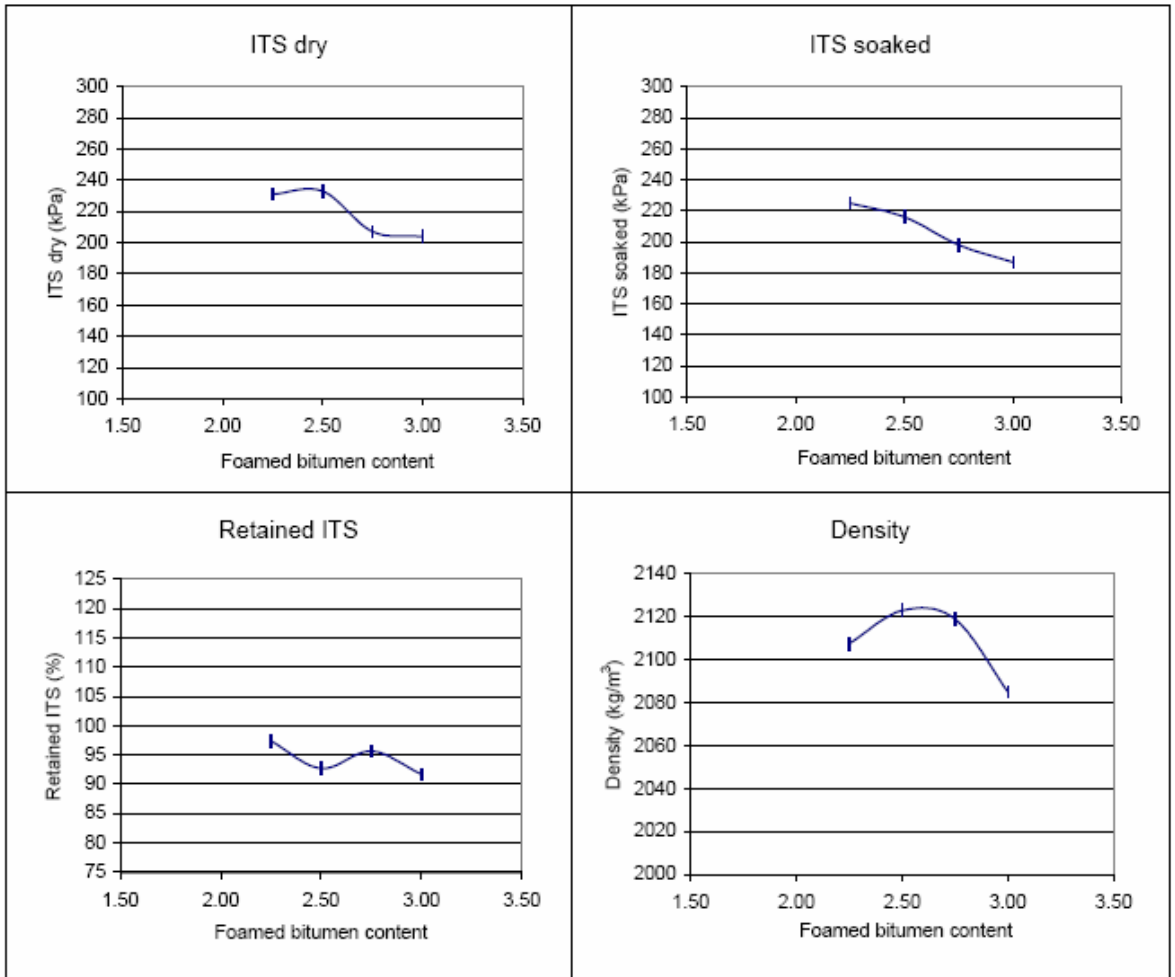
Bitumen

Foamed Bitumen requirements

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	65	65	65	66
Avg mass of specimen (g) :	1098	1106	1104	1103
Density (kg/m ³):	2108	2123	2119	2085
ITS dry (kPa):	231	233	207	204
ITS soaked (kPa):	225	216	198	187
Retained ITS (%) :	97	93	96	92



MIX DESIGN C

Aggregates

Sample Number	% in Mix	Type and Source
1	50	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	50	Granular base - Natural crushed Limestone Ex existing pavement

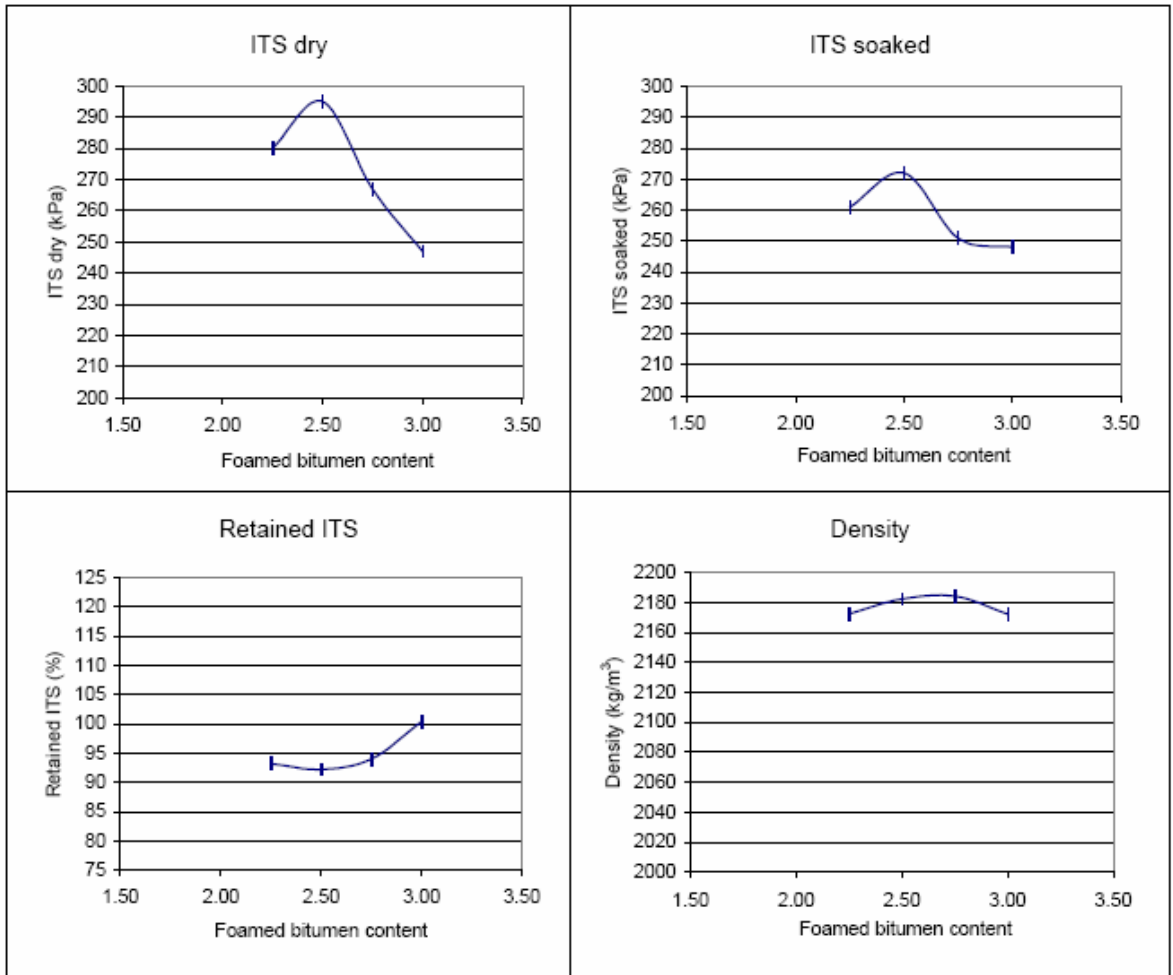
Bitumen

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen requirements

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	63	63	63	63
Avg mass of specimen (g) :	1097	1102	1103	1097
Density (kg/m ³):	2172	2182	2184	2172
ITS dry (kPa):	280	295	267	247
ITS soaked (kPa):	261	272	251	248
Retained ITS (%) :	93	92	94	100



MIX DESIGN D

Aggregates

Sample Number	% in Mix	Type and Source
1	25	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	75	Granular base - Natural crushed Limestone Ex existing pavement

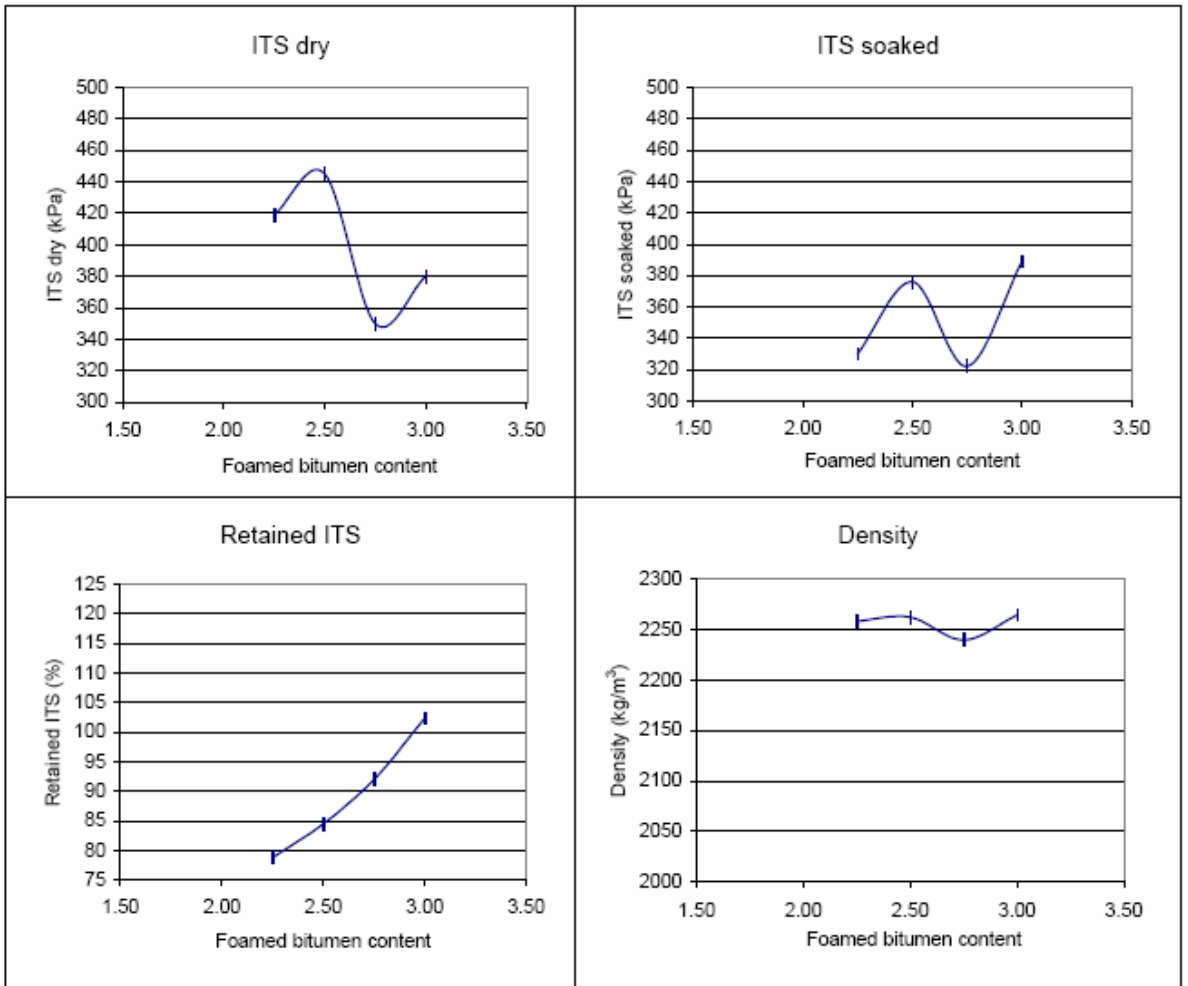
Bitumen

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen requirements

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	60	60	60	60
Avg mass of specimen (g) :	1086	1088	1077	1089
Density (kg/m ³):	2258	2262	2240	2264
ITS dry (kPa):	419	445	350	380
ITS soaked (kPa):	330	376	322	389
Retained ITS (%):	79	84	92	102



MIX DESIGN E

Aggregates

Sample Number	% in Mix	Type and Source
1	75	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	25	CBM - Stabilised crushed Limestone Ex existing pavement

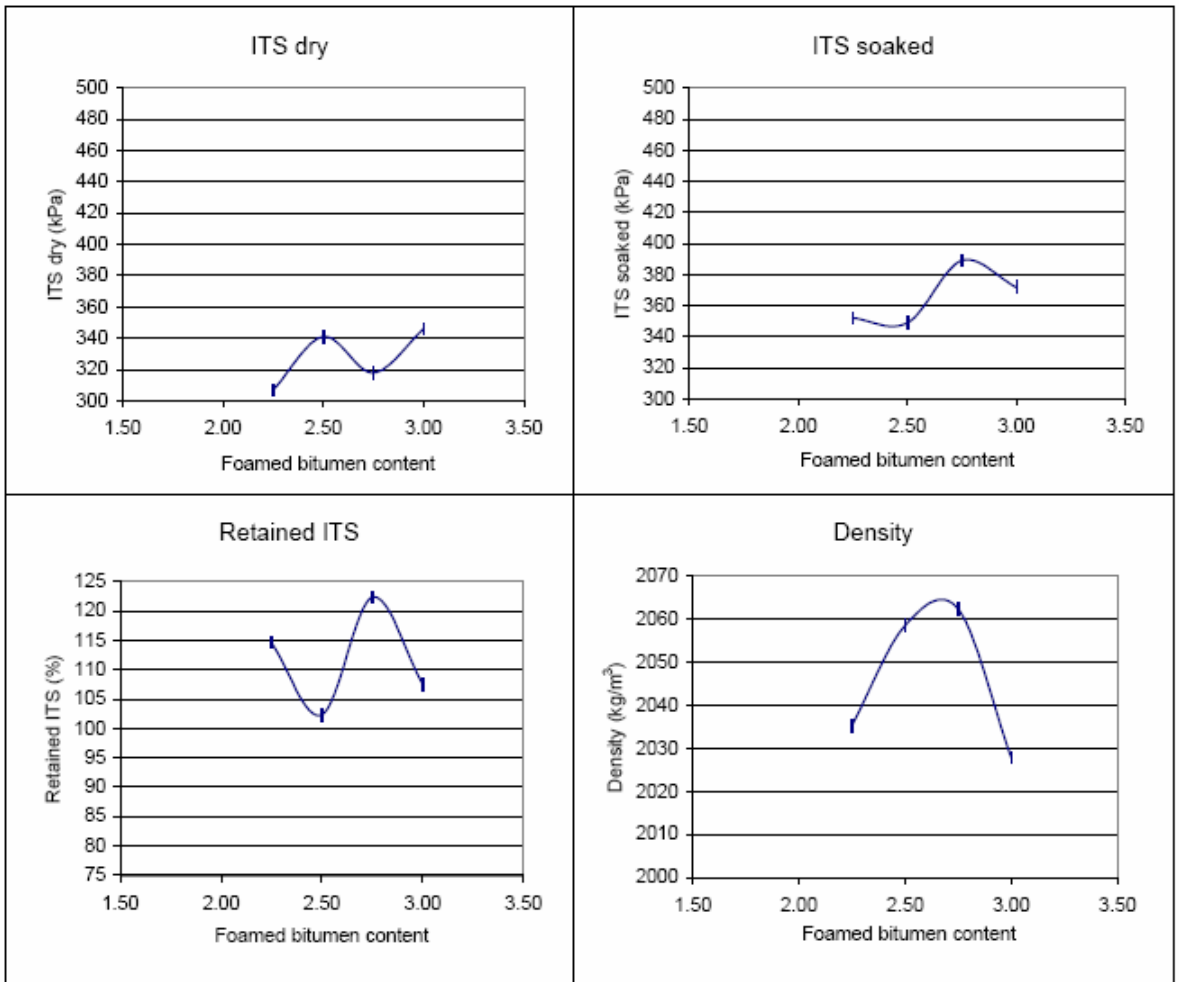
Bitumen

Foamed Bitumen requirements

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	67	66	66	67
Avg mass of specimen (g) :	1093	1089	1091	1089
Density (kg/m ³):	2035	2059	2062	2028
ITS dry (kPa):	307	341	318	346
ITS soaked (kPa):	352	349	389	372
Retained ITS (%) :	115	102	122	108



MIX DESIGN F

Aggregates

Sample Number	% in Mix	Type and Source
1	50	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	50	CBM - Stabilised crushed Limestone Ex existing pavement

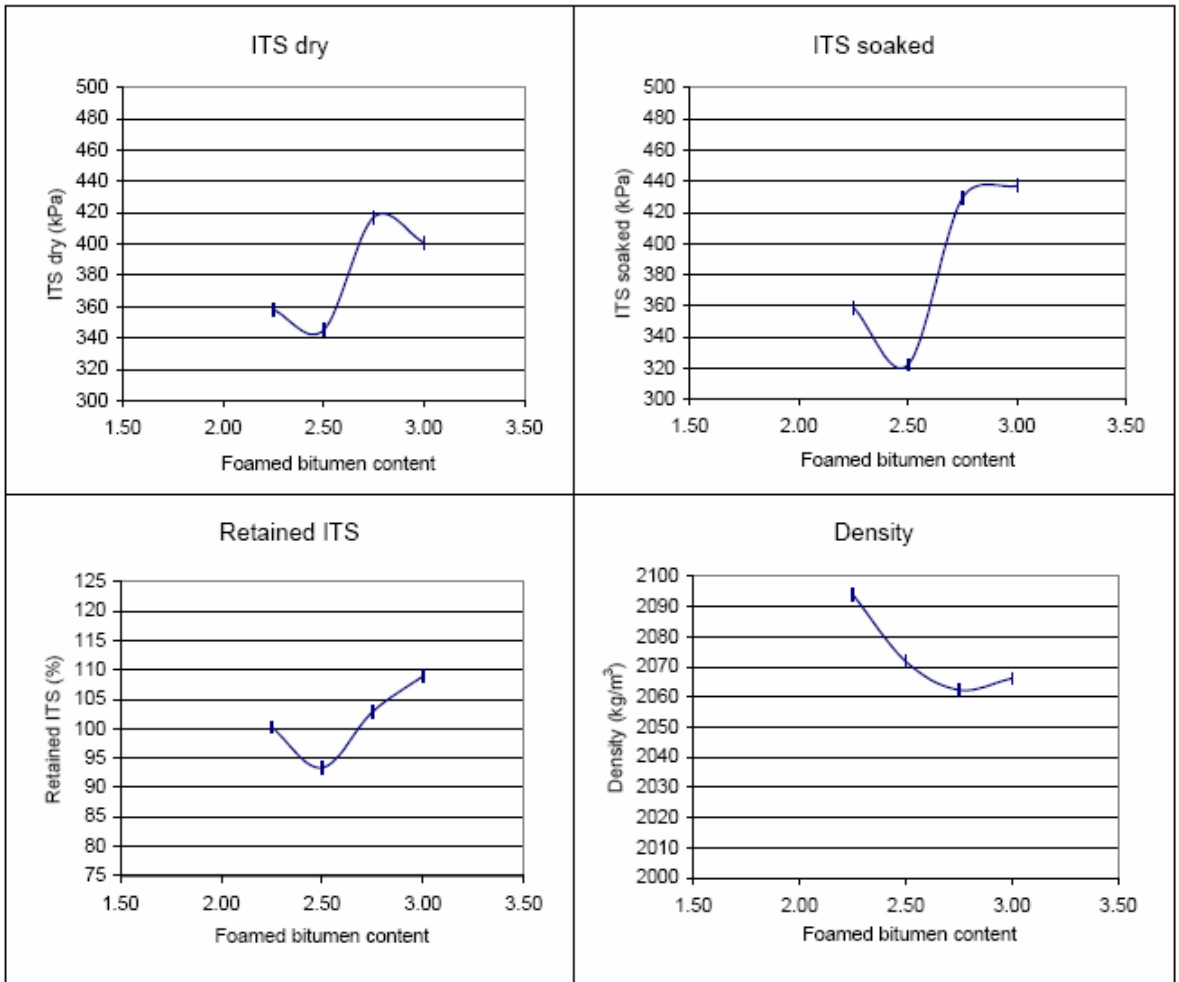
Bitumen

Foamed Bitumen requirements

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	65	66	66	66
Avg mass of specimen (g) :	1091	1096	1091	1093
Density (kg/m ³):	2094	2072	2062	2066
ITS dry (kPa):	358	345	417	401
ITS soaked (kPa):	359	322	429	437
Retained ITS (%) :	100	93	103	109



MIX DESIGN G

Aggregates

Sample Number	% in Mix	Type and Source
1	25	Reclaimed asphalt pavement (RAP) Ex existing pavement
2	75	CBM - Stabilised crushed Limestone Ex existing pavement

Bitumen

Foamed Bitumen requirements

Supplier :	Ex Aktor asphalt plant	Percentage "foaming" water :	2.5
Type:	80/100 penetration grade	Temperature of bitumen :	175

Foamed Bitumen Stabilisation Design

Foamed bitumen content (%)	2.25	2.50	2.75	3.00
Cement content (%)	1.0	1.0	1.0	1.0
Avg diameter of specimens (mm)	101	101	101	101
Avg height of specimens (mm) :	64	64	64	64
Avg mass of specimen (g) :	1079	1082	1087	1087
Density (kg/m ³):	2103	2109	2119	2119
ITS dry (kPa):	445	408	442	420
ITS soaked (kPa):	428	444	452	474
Retained ITS (%) :	96	109	102	113

