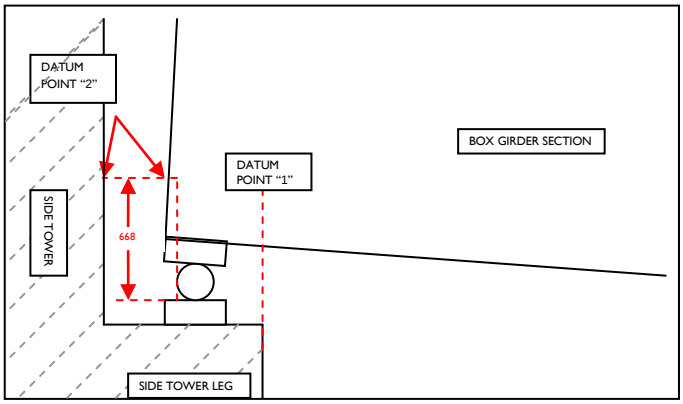
Forth Estuary Transport Authority

FORTH ROAD BRIDGE

INSPECTION DEPARTMENT
N.BOX GIRDER TEMP RANGE DIMENSION SURVEY
UPDATE: 09/12/10



DATUM POINT "1": LINE MARKED OFF SIDE TOWER LEG FACE ONTO BOX GIRDER FACE, ALLOWING ANY FUTURE MOVEMENT TO BE MEASURED.

DATUM POINT "2": POINT OF BOX GIRDER IS MEASURED 668mm FROM ROLLER BEARING PLINTH, LINE LEVELLED OFF TO SIDE TOWER FACE, FOR MEASUREMENT.

Date/ TIME	Air temp.	Surface Temp.	N/W. S/T. Roller bearing.	Date/ TIME	Air temp.	Surface Temp.	N/E. S/T Roller bearing.
08/01/10 1100hrs	-4 c	- 4. 4 c	East Face 432 mm	08/01/10 1100hrs	-5.5c	-5.5c	East Face. 433 mm
08/01/10 1100hrs	- 4 c	- 4. 4 c	West Face 425 mm	08/01/10 1100hrs	-6 c	-6 c	West Face. 421 mm
10/01/10 1100hrs	+ 6c	+ 2 c	East Face 420mm	10/01/10 1100hrs	+ 6 c	+ 2 c	East Face. 420mm
10/01/10 1100hrs	+ 6c	+ 2 c	West Face 413mm	10/01/10 1100hrs	+ 6 c	+ 2 c	West Face. 410mm
09/12/10 0915hrs	+2.5c	-1.5c	East Face 423.5mm	09/12/10 0915hrs	+2.5c	-1.5c	East Face 423mm
09/12/10 0915hrs	+2.5c	-1.5c	West Face 415mm	09/12/10 0915hrs	+2.5c	-1.5c	West Face 412mm