Appendix A1

Examples of Condition photographs of streutural elements of on Cumberland Basin



Figure 1a - Typical Example of Condition of an Elastomeric Bearing on elevated sections.



Figure 1b - Typical Example of a misaligned Roller Bearing on elevated sections.



Figure 2a - Typical example of debonded waterproofing layer (in green) creating pot hole formation



Figure 2b – Resultant pot hole repairs - Exposure of Concrete bridge decking, showing partially debonded remains of waterproofing layer being removed, prior to reinstatement of wearing course.



Figure 3a – Original Mechanical "Comb Joint" Expansion Joint now fused into position resulting in no movement/expansion ability of this joint. This joint will be replaced.



Figure 3b – Previously replaced and now defective, Asphaltic Plug Joint requiring full renewal



Fig 4a – Typical example of a RTC Parapet Repair along the Cumberland Basin Complex

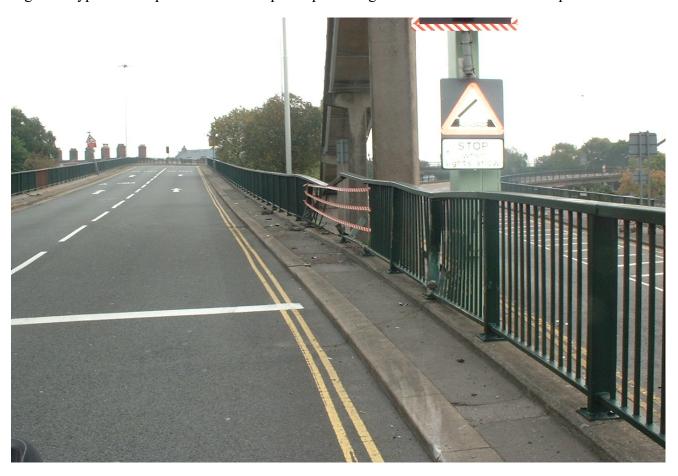


Figure 4b – Typical example of an RTC repair along the Cumberland Basin Complex



Figure 5a General view of Avon fixed bridge showing "Half Joint" Construction and previous repairs



 $Figure \ 5b-Close \ up \ view \ of "Half Joint" \ showing \ failed \ previous \ half \ joint \ concrete \ repairs.$



Figure 5c Close up view of previously failed bridge span soffit concrete repairs of Avon Fixed Bridge



Figure 5d – Close up view of seized bearing plate within voided bridge span of Avon Fixed Bridge