



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.07.15.

### **North West Main Span:**

- PP 48 - Old style packers in place. Half joints No1 packer missing. Noisy. Packer wear-down evident on Half joints 2-4 Noisy. Deck Deck panel movement , requires to be done. - As inspection date 2015.04.13.
- PP 50 - Old style packers in place. Packer wear-down evident on Half joints 1-4 Noisy. Deck Deck panel movement , requires to be done. - As inspection date 2015.04.13.
- PP 52 - Old style packers in place. Half joints remain satisfactory. Slight deck panel movement now evident Will monitor.
- PP 54 - Old style packers in place. Packer wear-down evident on Half joints 1-4 Noisy. Deck Deck panel movement , requires to be done. ( Billet No 4, 2 bolts broken on the west Side. ). Recommend that this location be done A.S.A.P. Deck panel movement has induced loosening of bolts located at on the walkway hanger plate to the support beam. Movement evident. ( Bolts require to be replaced. ) ( new info )



PP. 54 n/w. ( West side hanger plate bolts.)

- PP 56 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.
- PP 58 - Old style packers in place. Packer wear-down evident on Half joints 1 ok. Nos 2, 3 & 4. packers missing. Deck panel movement , requires to be done. - As inspection date 2015.04.13.
- PP 60 - This was replaced as part of the half joint trial that was undertaken by Raynesway, monthly report carried out to record current status. - As inspection date 2015.04.13.
- PP 62 - Old style packers in place. Half joints remain satisfactory. - As inspection date 2015.04.13.
- PP 64 - Old style packers in place. Half joints remain satisfactory. - As inspection date 2015.04.13.
- PP 66 - Old style packers in place. Packers missing on Half joints 1-4 Noisy. Deck Deck panel movement , requires to be done. - As inspection date 2015.04.13.



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PP 68 - Old style packers in place. Half joints remain satisfactory. - As inspection date 2015.04.13.

PP 70 - New hardox half joint packing system in place. Billet No 2. Gap & packer movement Evident. On east face of half joint. (Picture showing current status. ) Remains quiet A/T/O/I.( Will monitor. ) - As inspection date 2015.04.13.



PP. 70. East face. Billet No 2

PP 72 - New hardox half joint packing system in place. Half joints remain satisfactory. - As inspection date 2015.04.13.

PP 74 - Old style packers in place. Half joints remain satisfactory. - As inspection date 2015.04.13.

PP 76 - New hardox half joint packing system in place. Half joints remain satisfactory. - As inspection date 2015.04.13.

PP 78 - New hardox half joint packing system in place. Half joints remain satisfactory. - As inspection date 2015.04.13.

PP 80 - New hardox half joint packing system in place. Half joints remain satisfactory ( **Fitted since last inspection.** )

PP 82 - New hardox half joint packing system in place. Half joints remain satisfactory ( **Fitted since last inspection.** )

PP 84 - New hardox half joint packing system in place. Half joints remain satisfactory ( **Fitted since last inspection.** )

PP 86 - **Old style packers in place. Packers wear-down on Half joints 1 & 2 . Deck Deck panel movement , requires to be done.** As inspection date 2015.04.13.

PP 88 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 90 - **Old style packers in place. Packer wear-down evident on Half joints 1-4 Noisy. Deck**

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Deck panel movement , requires to be done. As inspection date 2015.04.13.

PP 92 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 94 - Packer plates fitted between billet top & stringer soffits. Remains in a satisfactory condition.



PP. 94. n/w. packing plates.

PP 96 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 98 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 100 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

**South West Main Span:**

PP 48 - New hardox half joint packing system in place. Billets No 2. Gap & packer movement Evident. Slight noise when heavy vehicles pass over. (Picture showing current status. ) ( Will monitor. ) As inspection date 2015.04.13.



PP. 48. South west Billet No 2. ( East face. )

PP 50 - New hardox half joint packing system in place. Billet No 2. Gap & slight packer movement . Half joints remain satisfactory. As inspection date 2015.04.13.

PP 52 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 54 - New hardox half joint packing system in place. Half joints remain satisfactory. ( Fitted since last inspection.)

PP 56 - New hardox half joint packing system in place. Billet No 2. Gap & packer movement Evident. Because of the slope on the jaws packers may drop out .Slight noise when heavy vehicles pass over. (Picture showing current status. ) ( Will monitor. ) As inspection date 2015.04.13.



PP. 56. South west Billet No 2



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PP 58 - New hardox half joint packing system in place. Deck panel movement this inspection. Gaps evident between fitted packers & top jaw of half joint. ( Will monitor.)



PP. 58. s/w.

PP 60 - New hardox half joint packing system in place. Half joints remain satisfactory. ( Fitted since last inspection.)

PP 62 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 64 - New hardox half joint packing system in place on half joints No1 & 2. Half joints 3 & 4 Not fitted. Jaws tight packers not required. Satisfactory. As inspection date 2015.04.13.

PP 66 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 68 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 70 - New hardox half joint packing system in place. ( deck - panel movement evident this inspection. Sight gaps between packers & top jaw. will monitor ) Half joints remain satisfactory .



PP. 70 s/w.

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DATE. 2015.07.15.

PP 72 - New hardox half joint packing system in place on half joints No1 & 2. Half joints 3 & 4 Not fitted. Jaws tight packers not required. Satisfactory. As inspection date 2015.04.13.

PP 74 - New hardox half joint packing system in place. Billet No 2. Gap & packer movement Evident. Slight noise when heavy vehicles pass over. (Picture showing current status. ) ( Will monitor. )



PP. 74. South west Billet No 2

PP 76 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 78 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 80 - New hardox half joint packing system in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 82 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 84 - **Old style packers in place. Half joints 1-4 Noisy. Deck panel movement. Requires to be Done.** As inspection date . 2015.04.13.

PP 86 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 88 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 90 - New hardox half joint packing system in place. Half joints remain satisfactory. ( **Fitted since last inspection.**)

PP 92 - **Old style packers in place. Half joints 1-4 Noisy. Deck panel movement. Requires to Be done.** As inspection date 2015.04.13.



FORTH ROAD BRIDGE



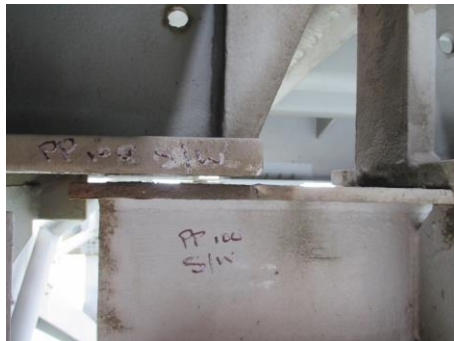
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PP 94 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 96 - Old style packers in place. Half joints remain satisfactory. As inspection date 2015.04.13.

PP 98 - Old style packers in place. Half joints remain satisfactory.

PP 100 - Old style packers in place. Half joints No1 & 2. Now noisy when heavy vehicles pass over. Packer plates fitted between top of billet & stringer soffit require to be removed & replaced to eliminate deck panel movement & noise.



PP. 100.s/w.

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Information this report. : Several locations fitted with new hardox packing system in place, packers seem to be flattening out. At these locations deck panel movement prominent this inspection. Slight noise evident when heavy vehicles pass over. Slight gaps evident between packer and half joint top jaw. ( please refer to information supplied on survey sheet. ) all locations intact & secure.



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