



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.

North West Main Span:

PP 48 - New hard-ox half joint packing system in place. Half joints remain satisfactory.
A/T/O/I

PP 50 - New hard-ox half joint packing system in place. Half joints remain satisfactory.
A/T/O/I

PP 52 - Old style packers in place. Half joints remain satisfactory. Slight deck panel movement now evident [Will monitor](#).

PP 54 - New hard-ox half joint packing system in place. Half joints remain satisfactory.
A/T/O/I

PP 56 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 58 - Old style packers in place. Packer wear-down evident on stringer half joint No 1 . No 2, 3 & 4. packers missing. Deck panel movement evident . **requires to be done. -**

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. Stringer half- joint packers becoming very noisy.

PP 62 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

PP 64 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

PP 66 - Old style packing system in place. Packers missing on stringer half joints No. 1-4 . Deck panel movement evident., **requires to be done. -**

PP 68 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

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 condition](#).



PP. 70. East face. Billet No 2



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.

PP 72 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 74 - Old style packing system installed. Wear-down evident on stringer half joints No 1,3 & 4. No packer evident in stringer half joint No 2. Deck panel movement / noise evident As vehicles of a certain axle weight pass over. **Require to be done.**

PP 76 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 78 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 80 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 82 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 84 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 86 - Old style packing system in place. Wear-down on stringer half joints No 1- 4. Deck Deck panel movement / noise evident As vehicles of a certain axle weight pass over. **Require to be done.** (Info. : platform in place ready to carry out repairs. A/T/O/I

PP 88 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

PP 90 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 92 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

PP 94 - No stringer half joints fitted with packing system. Packers fitted between top of billet & bottom flange of stringer. Slight noise evident on stringer half joint No 2. Remains satisfactory this inspection. **Will monitor condition.**

PP 96 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

PP 98 - Old style packing system in place. Wear-down on stringer half joints No 1- 4. Deck Deck panel movement / noise evident As vehicles of a certain axle weight pass over. **Require to be done.**

PP 100 - Old style packing system in place. Half joints remain satisfactory. A/T/O/I

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.)



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

PP 50 - New hard-ox half joint packing system in place. Billet No 2. Gap & slight packer movement . Half joints remain satisfactory. A/T/O/I

PP 52 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 54 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 56 - New hard-ox half joint packing system in place. Billet No 2. & No 3. Gaps & packer movement evident. These two half joints are noisy As vehicles of a certain axle weight pass over. **Require to be done.**



PP. 56. South west Billet No 2. (Picture showing current status.)



FORTH ROAD BRIDGE



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.

PP 58 - New hard-ox half joint packing system in place. Deck panel movement this inspection. Gaps evident between fitted packers & top jaw of half joint. As vehicles of a certain axle weight pass over. **Require to be done.**



PP. 58. s/w.

PP 60 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 62 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 64 - New hard-ox half joint packing system in place on half joints No1 & 2. Half joints 3 & 4 not fitted. Jaws tight packers not required. Half joints remain satisfactory. A/T/O/I

PP 66 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 68 - Old style packers in place. Half joints remain satisfactory. Half joints remain satisfactory. A/T/O/I

PP 70 - New hard-ox half joint packing system in place. (deck - panel movement evident this inspection. Sight gaps between packers & top jaw. Now noisy As vehicles of a certain axle weight pass over. **Require to be done.**



PP. 70 s/w.

PP 72 - New hard-ox half joint packing system in place on half joints No1 & 2. Half joints on stringers No. 3.& 4 Gaps now becoming evident. Half joint No3. Becoming noisy deck panel movement now evident As vehicles of a certain axle weight pass over. **Will monitor condition.**

PP 74 - New hard-ox 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 condition.**

G:\dd\t&p\rnmmd\branch8\FRB FOI\2. Inspection Records - Main Cable, Cable Anchorages\PDF Version Amey - Forth Bridges Unit Operating Contract - From 01.06.15\Main Span\Deck Half Joint Survey\Billet survey. October 2015\Billet Survey - West Main Span..doc



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.



PP. 74. South west Billet No 2

PP 76 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 78 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 80 - New hard-ox half joint packing system in place. Deck panel movement evident As vehicles of a certain axle weight pass over. [Will monitor. Condition.](#)

PP 82 - Old style packers in place. Wear- down evident on all half joint packers on stringers No 1 & 2 . Noise & Deck panel movement evident. As vehicles of a certain axle weight pass over. [Require to be done.](#)

PP 84 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 86 - Old style packing system in place on stringers No 3 & 4 only. Wear-down evident on stringer half joints No 1 & 2. Deck panel movement evident . Half joints remain satisfactory. A/T/O/I

PP 88 - Old style packers in place. Half joints remain satisfactory. Half joints remain satisfactory. A/T/O/I

PP 90 - New hard-ox half joint packing system in place on stringers No 1 & 2. Only Stringers No 3 & 4 no packers fitted. (jaws tight packers not required.) Half joints remain satisfactory. . A/T/O/I

PP 92 - New hard-ox half joint packing system in place. Half joints remain satisfactory. A/T/O/I

PP 94 - Old style packers in place. Half joint packer on stringer No 2. Now appears to be loose noise evident. Wear- down evident on all half joint packers. No 1 - 4. [Deck panel movement. Requires to be done.](#)



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.

PP 96 - Old style packers in place. Half joints remain satisfactory. (Info. : packer fitted to No 1. Half joint only. All other half joints plates fitted between tops of billets & stringer flange. On 2,3 & 4. Half joints remain satisfactory. A/T/O/I.

PP 98 - Old style packers in place. Slight deck panel movement evident this inspection. [Will monitor condition.](#)

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. **Require to be done. (B . Lines being fitted to this location.** A/T/O/I



PP. 100.s/w.

Information this report. : Several locations fitted with new hard-ox 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.



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.



INSPECTION DEPARTMENT
Billet Survey Main Span (West)
DATE. 2015.10.20.