



**DEDICATED NARROW GAUGE GRAIN LINES  
STRENGTHENING PROGRAM**

**GREAT SOUTHERN RAILWAY  
(GSR)**

**GSR RESLEEPER PROJECT**

**MONTHLY REPORT**

**Avon - Redmond**

**September 2011**

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## 1.0 INTRODUCTION

Works on the GSR Resleepering Project progressed steadily during the month of September 2011. During the month the resleepering team had inserted a total of 13,698 sleepers, which is less than the 14,908 sleepers that had been initially programmed.

Overall, there have been 195,714 sleepers inserted to date which is less than the 195,988 programmed.

In terms of actual insertions vs. scoped insertions, during September there were 917 more sleepers inserted than was scoped. To date there have been 5,073 more sleepers inserted compared to scope. As mentioned in previous reports, the significant rise relates to more timber sleepers requiring replacement, which is a result of the scope being performed over 24 months ago.

As mentioned in last month's report, production over the last two months has been at 70% capacity and will continue as such until completion in order to enable sufficient timber sleeper supply.

It was initially programmed to have completed all sleeper insertions by 27<sup>th</sup> September 2011, with Practical Completion being achieved on 21<sup>st</sup> October 2011. With a reduced production rate (together with the increased number of timber sleepers needing to be inserted) the projected date for Practical Completion for the GSR Resleepering Project is **9<sup>th</sup> November 2011**.

During September, approximately 35 km of track was handed over up to the 177km.

## 2.0 PROGRESS

### 2.1 Progress Report

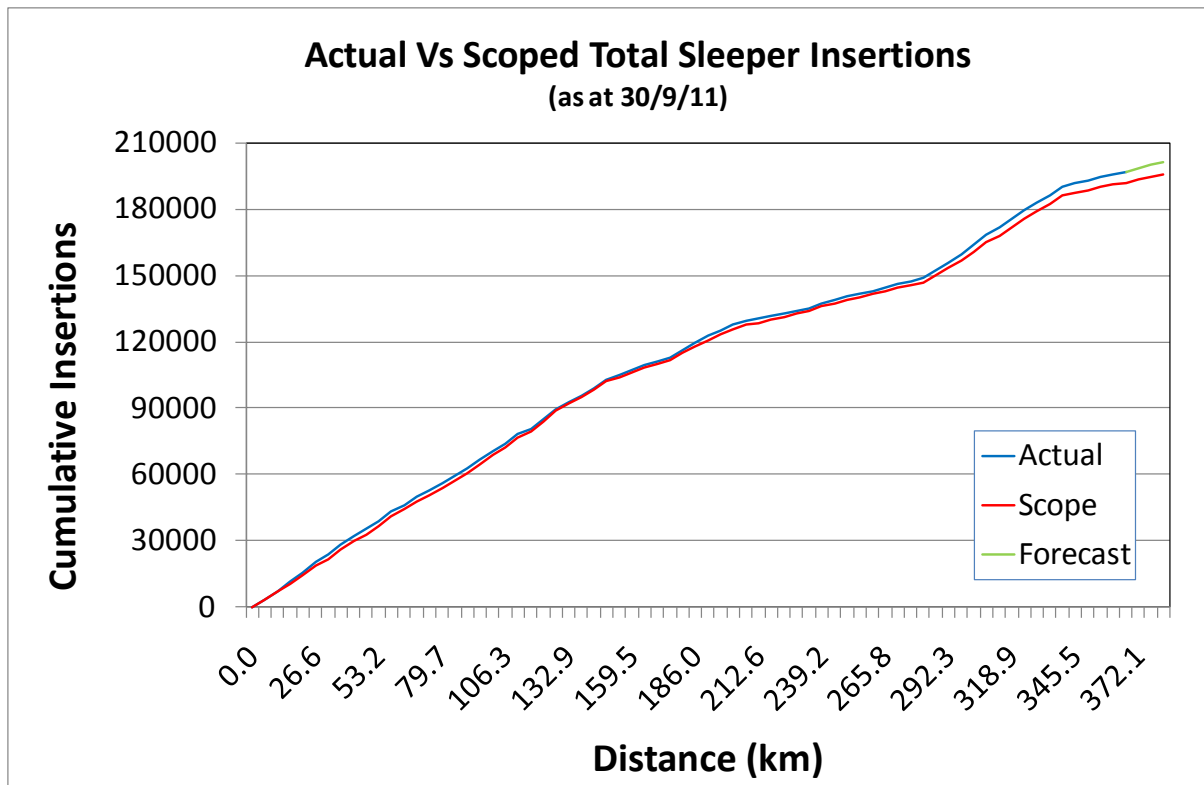
Refer to Appendix A for Progress Report spreadsheet.

### 2.2 Resleeping Progress

- Total sleeper insertions for the month of September 2011 is 13,698 compared to 14,908 programmed insertions.
- The sleeper insertion rate for the month of September 2011 was an average of 596 sleepers per day versus a programmed average of 648 sleepers per day.
- Sleeper Insertions in September 2011 were completed between the 170.5km and 177km, and also the 98.5km and 125.5km. It was programmed to complete between the 172.2km and 177km, and also the 86.0km and 125.5km, which meant that all insertions on the Project would have been completed.
- Table 1 below summarises actual Uninsulated Steel (SNU), Insulated Steel (SNI), New Timber and Timber Reinsertions to date, compared to the quantities identified in the detailed scope to date. The table indicates:
  - a) Steel sleeper insertions are within scope.
  - b) In total, there have been 112,900 actual timber 'insertions' compared to 105,575 scoped timber insertions to date. This indicates that the timber replacement rate is currently 6.9% higher than originally scoped, which is up from last month. It must be noted that timber sleepers were inserted in lieu of steel sleepers in some of the loops and sidings for operational reasons – this figure would be approximately 1,000 sleepers.
- Figure 1 below shows total actual sleeper insertions compared to total scoped insertions (by total distance covered).

	Actual	Scoped	Variance
SNU	77,648	78,627	- 979
SNI	5,166	6,439	- 1,273
New Timber	93,714	93,940	- 226
Timber Reinsertion	19,186	11,635	7,551
	<b>195,714</b>	<b>190,641</b>	<b>5,073</b>

**Table 1: Comparison of Actual Vs Scoped Sleeper Insertions to Date**



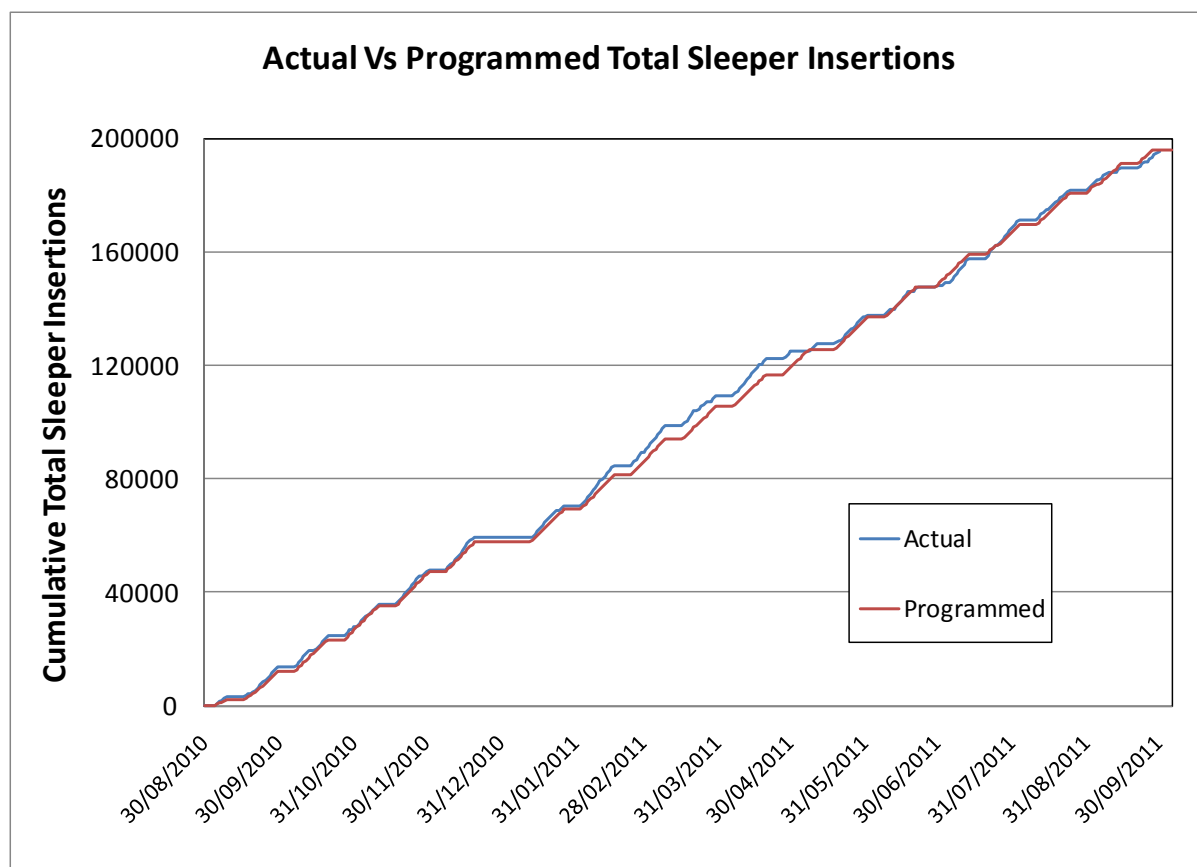
**Figure 1: Actual Vs Scoped Sleeper Insertions by Distance Covered**

## 2.2.1 Strip Chart

Refer to Appendix B for September 2011 Strip Chart

## 2.2.2 Resleeping Progress Chart

Figure 2 below shows the actual progress of total sleeper insertions compared to the total programmed sleeper insertions to date. At the end of September 2011, there had been 195,714 sleepers inserted in total, compared to the programmed figure of 195,988.



**Figure 2: Actual Vs Programmed Total Sleeper Insertions to Date**

## 2.3 General Progress

### 2.3.1 Sleeper Delivery

Table 2 indicates the quantities of sleepers that have been delivered to site.

	To End of Last Month	This Month	Total to Date
Non Insulated Steel (SNU)	79,360	0	79,360
Insulated Steel (SNI)	5,200	0	5,200
Timber	86,478	11,520	97,998
	<b>171,038</b>	<b>11,520</b>	<b>182,558</b>

**Table 2: Quantities of Sleepers Delivered to Site**

### 2.3.2 Surfacing

- 1<sup>st</sup> tamping pass has been completed to the 99.000km
- Final tamping has been completed to the 112.000km
- Ballasting has been completed to the 122.000km
- Final profiling has been completed to the 125.500km

### 2.3.3 Track Handed Back

During the month of September track was handed over from the 142km to the 177km.

Appendix B contains more information as to locations that have been handed over up to the end of September 2011.

### 3.0 OPERATIONS

#### 3.1 Safety Report

##### 3.1.1 OHS&E

Table 3 below shows a summary of the incidents within the month of September 2011, of which there were nil.

	Total this Month	Brief Details of Incident	Total to Date
Lost Time Injury	0		3
Medical Treatment Injury	0		2
Alternate Work Injury	0		1
First Aid Injury	0		18
Other	0		2

Table 3: Summary of Incidents for September 2011



### 3.1.2 Rail Safety (Safeworking)

Table 4 below shows a summary of Safeworking incidents during September 2011.

	Total this Month	Brief Details of Incident	Total to Date
Safeworking	0		3

**Table 4: Summary of Safeworking Incidents for September 2011**

The investigation into the August safeworking incident was finalised during this month. The incident related to the consolidator machine derailling at Beverley South turnout when the right compacting arm dropped and jammed at the back of the turnout.

The investigation concluded that:

- The operator failed to thoroughly check that the compacting arm was secured in its travelling position.
- There was no fail-safe locking mechanism for the compacting arm, ie. there were no locking chains or similar. Locking chains have since been installed on the machine.

## 4.0 FINANCIAL REPORT

### 4.1 Monthly Claim

The Total Claim for the month of September 2011 is **\$2,393,924**.

Table 5 below shows a summary of the claims to date.

	PTA	BR	Totals
<b>Sep-10</b>	\$ 3,712,221	\$ -	<b>\$ 3,712,221</b>
<b>Oct-10</b>	\$ 3,102,604	\$ -	<b>\$ 3,102,604</b>
<b>Nov-10</b>	\$ 3,648,575	\$ -	<b>\$ 3,648,575</b>
<b>Dec-10</b>	\$ 2,278,629	\$ -	<b>\$ 2,278,629</b>
<b>Jan-11</b>	\$ 757,971	\$ 1,779,562	<b>\$ 2,537,533</b>
<b>Feb-11</b>	\$ -	\$ 3,544,242	<b>\$ 3,544,242</b>
<b>Mar-11</b>	\$ 971,133	\$ 2,926,196	<b>\$ 3,897,329</b>
<b>Apr-11</b>	\$ 3,003,857	\$ -	<b>\$ 3,003,857</b>
<b>May-11</b>	\$ 3,929,658	\$ -	<b>\$ 3,929,658</b>
<b>Jun-11</b>	\$ 2,779,058	\$ -	<b>\$ 2,779,058</b>
<b>Jul-11</b>	\$ 4,000,716	\$ -	<b>\$ 4,000,716</b>
<b>Aug-11</b>	\$ 2,551,628	\$ -	<b>\$ 2,551,628</b>
<b>Sep-11</b>	\$ 2,393,924	\$ -	<b>\$ 2,393,924</b>
	<b>\$ 33,129,975</b>	<b>\$ 8,250,000</b>	<b>\$ 41,379,975</b>

**Table 5: Summary of Monthly Claims to Date**

Refer to Appendix C for details of the Total Claim for this month.

### 4.2 Project Cash Flow

Figure 3 below shows a graph of the total actual versus budget cashflows for the Project.

Refer to Appendix D for further details of the Project Cashflows.

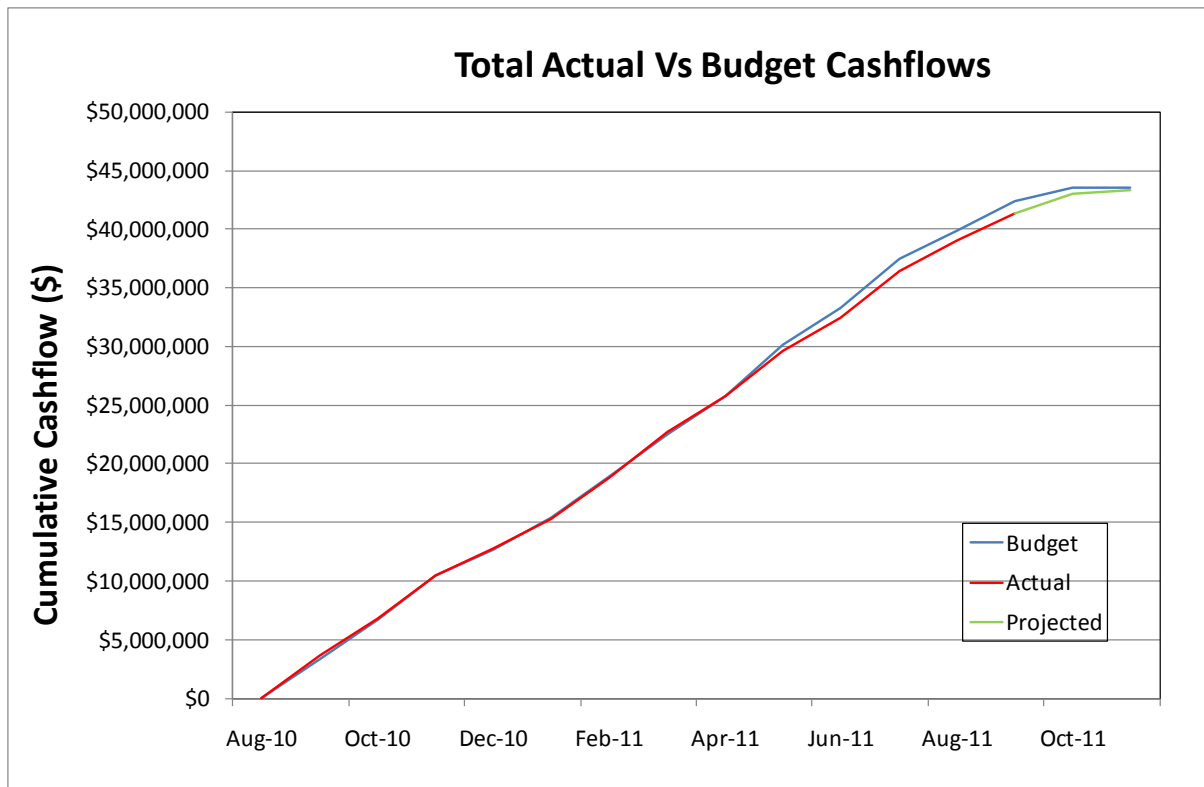


Figure 3: Total Actual Vs Budget Cashflows