

**Case study title:** Thameslink Brighton Wood Recycling  
**Month/year:** March 2014

**Business unit:** Construction Services/Rail

**Date and location:** 17 March 2014 – Brighton

**In partnership with:** Community Wood Recycling Project

**Key contact:** Shane McEntee (Environment Manager) – shane.mcentee@carillionplc.com

**Outcome area(s):** Reducing waste and contributing to local communities

#### Background:

The £11 million project at Brighton involved the design and construction of railway sidings capable of stabling 36 carriages with the provision of a Carriage Washing Machine (CWM), Controlled Emission Toilets (CET) along with 1,300m of walkways.

It was recognised that the project would create wood waste towards the end of the site works, with the main sources coming from redundant shuttering, empty cable drums and packaging. Rather than sending the wood to a traditional waste transfer station it was decided to investigate alternatives for increasing the life of the material and support other sustainability objectives such as exceeding a target for diverting 95% of waste from landfill.

Following a visit to the Community Wood Recycling Project, a local not-for-profit social enterprise, which provides employment and training to long-term employed and socially disadvantaged people, it was decided to send wood waste for reuse/recycle to this organisation and help deliver against Carillion's Sustainability Delivery Statement by providing a social legacy of skills in the local area.

#### Key Facts/Achievements:

- 80% of all shuttering was sourced and reused from the Thameslink project at Selhurst
- All new wood for shuttering was PEFC or FSC certified
- Typical shuttering was reused on the project 4 times
- All wood waste segregated and placed in a fenced secure area for collection
- 4.8 tonnes of wood waste diverted from landfill by Community Wood Recycling Project
- 4.0 tonnes was reused and the remaining 0.8 tonnes recycled as chipboard
- £165 saved when compared with traditional skip which typically contains 10% void space
- Reusing/recycling wood waste contributed to an overall diversion rate for the project of 99.7%.

#### What the future holds:

Working with the Community Wood Recycling Project's nationwide partners, it was decided to implement a similar system for collecting wood waste from Carillion's other Thameslink projects such as Cricklewood (£35m) and Peterborough (£20m). It is anticipated that this will make a real contribution to the wide and diverse range of communities in which we work.



Photo 1 - A typical collection vehicle from the Wood Recycling Project outside the Brighton project



Photo 2 - Typical walkway construction at Brighton showing wooden shuttering.