

## **Orlamünde-Rudolstadt and opposite direction project**

Supplementary information on the GE/PSS/TE route 6305 Orlamünde - Rudolstadt and opposite direction construction project from km 55,070 to km 52,536 and km 56,495 - km 60,915

### **Builder-owner:**

Deutsche Bahn AG, south-western branch, Saalfeld network region

### **Construction period:**

31.03.2011 - 22.04.2011

Shift capacity PM 1000 URM: 705 m

Daily capacity PM 1000 URM: 1350 m

### **Overall conversion length: 6954 m**

Old type of permanent way: KS49-1667-Bs66, KS49-HH-1667 and KS54-1667-Bs66

New type of permanent way: W60-1667-B70

### **Supplementary information further to track permanent way:**

Radius: Minimum radius = 496 m

Superelevation: u = 120 mm

### **Interconnecting work:**

- Adaptation of road gradient at level crossing km 54,021
- Adaptation of road gradient at level crossing km 57,125 and km 60,465
- Creation of side ditches with pipes:
  - km 54,001 to km 54,032 (level crossing km 54,021)
  - km 57,082 to km 57,148 (level crossing km 57,125)
- Creation of evaporation/drainage ditch: km 60,280 to km 60,440
- Conventional formation rehabilitation: Level crossing km 54,021, level crossing km 57,125 and level crossing km 60,465
- Tamping and straightening work: km 52,536 to km 55,070 and km 56,495 to km 60,915

### **Track renewal using conveyor belt techniques:**

- From km 52,536 to km 55,070 = 2534 m

- From km 56,495 to km 60,915 = 4420 m

Total: = 6954 m

### **Protective formation layer + ballast recycling:**

Installation of substructure system (20 cm protective formation layer KG1 + 15 cm bonded material layer):

- From km 54,998 to km 52,536 = 2462 m

- From km 60,915 to km 56,495 = 4364 m

Total: = 6826 m

**Installation of protective formation layer: Approx. 14,000 t**

**Removal of subgrades and recycling residues: Approx. 24,500 t**

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