

Safe Work Instruction	Issue date: 09/07/10
Resurfacing Measuring Trolley	Review date: 24/06/13

Document no. SMS-06-SW-1466	Job title/description Operation of Resurfacing Measuring Trolley (Track Survey Model 633) for track alignment and superelevation.
Review date 24/06/13	References <ul style="list-style-type: none"> • OH&S Act 2000 • OH&S Regulation 2001 • Rail Safety Regulation • RailCorp Safety Policy • RailCorp Network Rules & Procedures • RailCorp Safety Management System • Operation Maintenance Troubleshooting Handbook for Track Survey Model 633 • Resurfacing Electronic Systems: Manuals and Instruction Information

Responsible supervisor Work Group Leader	PPE and precautions <ul style="list-style-type: none"> • Safety Boots • High visibility orange vest • Hard hats • Safety Glasses • Protective Clothing • Hearing protection (as required) • Gloves (as required) 	Competencies or qualifications Instructed and competent in SMS-06-SW-1466	Licences or permits required N/A
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Tools and equipment required

Measuring Trolley (Track Survey Model 633)
- consists of control arm and the base unit

IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO [SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT](#).



Warning.

Beware of pinch points on the measuring trolley

Assembling the Trolley:

Note: The track Survey trolley is a self-contained unit with a handle securely stowed neatly underneath using the two screws on the handle.



STEP 1

Carry the Measuring Trolley using the handle and place on the rails



STEP 2

Unlatch the locking clip to release the laser post.

Resurfacing Measuring Trolley**STEP 3**

Raise the laser post into a vertical position.

**STEP 4**

Secure the laser post tightly by locking the clips.

**STEP 5**

Attach the control arm onto the trolley by inserting it into the mounting bracket.

**STEP 6**

Adjust the angle of the control arm using the tension lock. To operate the tension lock, pull it out, rotate, push back in and secure by rotating.

**STEP 7**

Plug the connector into the power unit.



Unit complete.

Resurfacing Measuring Trolley

Taking Measurements:



Warning.

DO NOT stare into laser beam: Class 2 laser product



STEP 1

Switch unit on using the on/off switch on the control panel. Ensure the control panel is working correctly.



STEP 2

Alignment reading can be taken by adjusting both laser beams, projected from the Dimetixes to the survey pin, and secure using wing nuts.



STEP 3

Note: Make sure that the laser dots and pin are horizontally aligned with each other.



STEP 4

Press the record button and check the readings.

Calibrating Procedure:

Refer to operating manual



Caution

Securely hold the control arm and handle, when moving the measuring trolley. When doing 180 degree turns, use proper manual handling techniques.

Additional controls

Be careful when bending down and lifting the trolley. Use a safe lifting method to prevent any injury. Check to make sure every thing is firmly attached before lifting