

| WORK EVIDENCE SHEET | | Evidence Ref. No 9 |
|---|--|-----------------------|
| Learner Name: Aidan O'Flynn-mundin | Employer: Isle of Wight Steam Railway | |
| Address of site: Havenstreet Station, Isle of Wight Steam Railway, Main Rd, Havenstreet, Ryde PO33 4DS | | |
| Job Start Date: 21st November 2022 | Job Completion Date: 23rd March 2023 | |
| Name of Job: IWRS Haven Street Station Main Crossing Gates | | |
| Brief details of job: The task was to manufacture two crossing gates in order to replace the existing set which are in need of replacement before the railway reopens to the public in March 2023. | | |
| Have you had a site induction on this site and / or had toolbox talks? | | |
| When I started my employment at Isle of Wight Steam Railway | | |
| How did you receive your work instructions? (Attach specification / drawing / schedule or witness testimony confirming verbal instructions if possible.) | | |
| Verbal Instructions by Nick Mills & Paul Fisher informing me of the project. | | |
| Planning for the job: Did you arrange materials to be delivered / moved before you started work? | | |
| All materials had been ordered and delivered before my involvement of the project. | | |
| Give details of the people you spoke to, the instructions you received & the type of communication. (Oral, listening, body language?) | | |
| Colleagues: Foreman: Supervisor: Nick Mills, Estates Dept Carpenter (project tutor) tutorial comments, instructions and demonstrations. Client: | | |
| What materials did you use? (List them all) | | |
| Stiles, Rails & Mullion: Douglas Fir | | |
| Intermediate rails: Larch | | |
| Sapele Dowels | | |
| Soudal D4 PU wood Adhesive | | |
| How did you store them on site? Stored in Carriage & Wagon Workshop | | |
| What protection did you make for the surrounding area, materials & equipment before starting work? (Explain) | | |
| No protection required due to workshop environment. | | |
| Before I used any equipment I would inspect, Tools, Machinery and PPE to ensure they do not pose a danger to myself or anyone else in the vicinity. I used the provided dust extraction when using machinery. | | |
| List the hand tools & any equipment that you used: | List the power tools that you used: | |
| Faithfull Marking & Mortice gauge Smoothing plane, Jack Plane, Rebate Plane & Shoulder Plane Rider 91 Various Chisels & Wooden Mallets | Stromab Radial Arm Saw Stena Bandsaw Ryobi Combi Drill, Hitachi Router Wadkin Bursgreen dm Morticer | |

Where were the tools & equipment stored on site?

Carriage & Wagon Workshop

What maintenance did you carry out on the tools & equipment?

Honed chisels, Fitted and changed Wadkin Morticer chisel bits.

What PPE was necessary / used?

Yes,

P3 Dust mask, Eye & Ear protection, steel capped work boots, Overalls, work gloves & Nitrile gloves

Explain details of any hazards on the site (E.g. cables, fumes, Access etc.)

How did you deal with the hazard?

Operating Machinery & wood dust

When operating machinery, I used the machinery in line with my training, used dust extraction, wore appropriate PPE when operating machinery.

Briefly describe the work you did; how you protected it & any access equipment you may have worked from:

I was tasked to assist and learn from Nick Mills with the joinery process of manufacturing two 14ft crossing gates in order to replace the original ones.

We first took measurements of the location of where the gates will be hung from the existing hinges and posts, then followed original Southern railway standard crossing gate design and we adapted the measurements to suit the steam railways requirements.

Nick and I went through the marking up process, once done, I cut the mortices using the morticer then ran & cut tenons using a handsaw & Stromab radial arm saw, cleaned mortices and tenons.

Once both gates were at the same stage, we dry assembled both and made fine tuning adjustments, when completed the gates were cleaned up and touching faces were painted.

On 14th February 2023 the gates had the final dry assembly. After any adjustment, Nick Mills taught me how to correctly drill holes of dowels using an auger drill bit.

Final assembly and doweling completed after which all 'stopped chamfered edges' and rounds were cut using a router.

Did you work at height on this task? Did you check the equipment for safety?

I did not work from height on the project.

Did you do this task on your own or as part of a team? (If on your own, how did you take responsibility for completing the work?)

As part of a team, Myself and Nick Mills where the only members working on this project. My work was checked during and upon completion.

Explain what the time constraints for this job were:

We only worked on the gates each Monday & Tuesday as Nick had other work that needed to be completed over the other weekdays.

The project had to be completed by April 2023.

Was the quality of your work checked when it was completed? Was there anything you could improve next time?

My work was checked during and upon completion.

Supervisor Comments:

What problems / difficulties were there? (e.g., delays due to damaged materials / equipment, problems from the weather or access to premises):

None

How did you sort the situation out?

None

Give details of any changes to the work programme. What changes took place; name the people who informed you.

None.

How did you clean up the work area & what did you do with unused materials?

I would clean the work area as I went along and at the end of the day with brooms & Dust pans. I used Dust extraction equipment when needed, and any non-reusable offcuts were placed in the wood bin.

Any reusable material was stored back in the timber store.

What did you do to keep the workplace secure? (e.g., lock premises, ensure visitors sign in)

Lock premises at the end of each day.

What company rules did you follow?

IWRS Workshop Rules

Health and safety at work act 1974

Woodworking Machine regulations 1974

Personal Protective equipment Regulations 1992

What company documentation did you complete? (e.g., timesheets)

Timesheets & Pre-machine safety check.

Photographs- Date, location, WBR's signature. Identify yourself with an arrow if others are in the photo.

State the number of photographs attached:

14

Staple photographs to evidence sheet.

Candidates Signature:



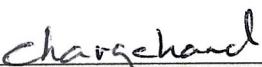
Date: **19/4/23**

I CONFIRM THAT THE DETAILS GIVEN ABOVE ARE ACCURATE -

WBR / Supervisor's / Customers Name (Please print):

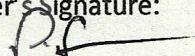


Position in company:



Tel. No.

WBR / Supervisor's / Customer's Signature:



Date:

19/4/23

Please note that this form cannot be accepted as evidence UNLESS it has been signed & dated by all concerned.

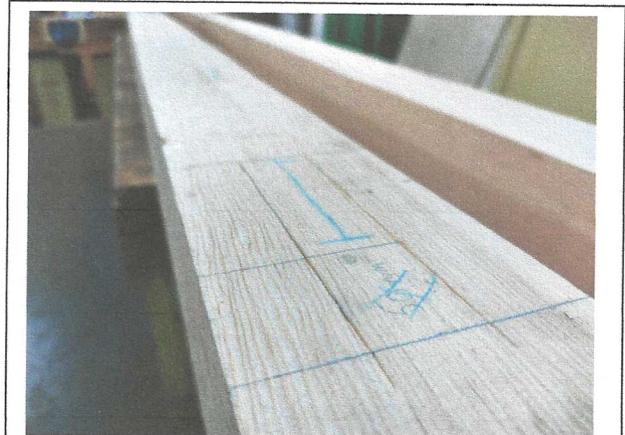
Photographs

Date: 22nd – 27 February 2023,

Location: Isle of Wight Steam Railway Carriage and Waggon Workshop & Barn



Marking out process



Marked out Haunch Mortice



Four cut Haunch Mortice's 8 marked out mortices



Myself cutting mortices using Morticer.



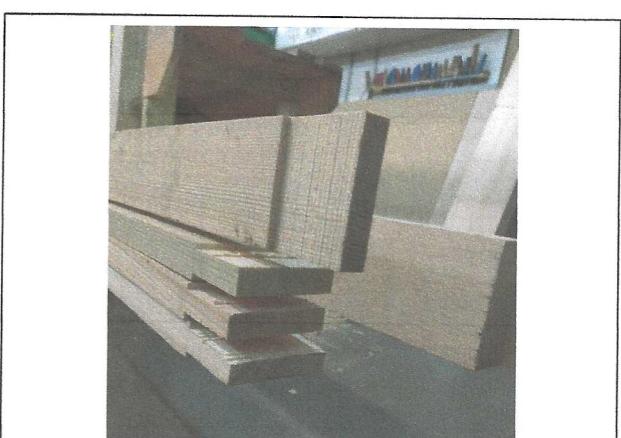
Myself cleaning up tenon after cutting tenon with Radial arm saw



All Tenons & mortices cut ready for dry assemble

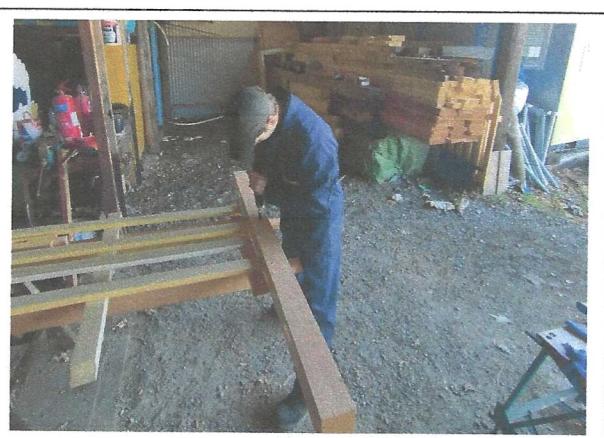


Dry Assembly



Dry assembly complete

Intermediate rail's tenons



Myself drilling holes for dowls

Myself using a router to cut the chamfered edge

