

Oregon OSHA Worksite Redesign Grant Final Quarterly and Project Report

Company: **Cascade Steel Rolling Mills Inc.**

Contract Number: **#99/01-15**

Project Name: **Bricker's Helper**

Date: 12/28/01

Project accomplishments and effectiveness:

In following the project plan that was outlined in the grant application, we were able to develop a very functional device that improved on the Bricker's ergonomic issues associated with their work. This incorporated a series of meetings with company staff and our Concept Designer. We defined a list of requirements for the final device, and worked interactively with an equipment supplier and his manufacturing vendor, to design and purchase a work platform that incorporates a primary base hydraulic lift, that had a secondary material support lift mounted on top of it. The top surface plate on the primary lift was an 8 foot diameter work platform. All of this was mounted on a sturdy subframe that is supported on 3 legs to prevent rocking and tipping. The complete device is raised and lowered into the crucibles by means of a 3 point chain lift harness attached near the legs. The employees have avidly adopted the solution and use it daily.

Project evaluation data:

The post ergonomic report has been attached to the back of this report, which shows the evaluation data.

A synopsis of the project evaluation:

We have also included the one page "executive overview" of the project for your review. It is a synopsis of the project and included a brief evaluation.

A plan to continue evaluating the project:

The plan for continued evaluation will be in the form of using the device. Sue Benoit from Cascade Steel Rolling Mills Inc. will continue to monitor the use and effectiveness of the device, and will be available for information on an ongoing basis.

How have other employers been informed of the results of the project?

A detailed story outlining the project and its benefits was written. It has been submitted for publication to the Small Business Administration (SBA) periodic newsletter, which goes out to thousands of small businesses in Oregon. It will also be posted on the pending Or-OSHA website, which will disseminate information on this and other finished projects.

List of deliverables supplied for posting to the Oregon OSHA website:

The list agreed to in project close meetings has been supplied below. This has been supplied in electronic format, and includes:

1. VRML Solid Model.
Readable with Cortona VRML software
2. Solid Model CAD File:
 - A. Original CAD File Format from creation.
 - B. DXF Format (wire frame).
 - C. Any other available CAD outputs you wish to deliver.
3. One page executive overview with digital photo of device.
Microsoft Word - This required 2 pages due to photo's.
4. Vendor list with cross ref. code.
Excel
5. Bill of material with vendor cross ref. code and estimated costs.
Excel
6. Published article.
Microsoft Word
7. Ergonomic Original and Final reports.
Microsoft Word

Additionally, a VHS Video of the device has been supplied as outlined in the contract.

Cost of project:

The Or-OSHA dollars spent on this project total **\$62,194**. Through adjustments in the spending categories as approved, it was completed within the cost scope budgeted.

The attached Exhibit C reflects a billing totaling **\$21,038.58** for this final quarter.

OMEP has e-mailed a final category expenditure adjustment request on this project. Our records indicate that DCBS is due back a rebate check totaling **\$14,644.42** from this project fund. Please contact Pat Kraft from OMEP to confirm this amount.

Customer match overview:

Cascade Steel Rolling Mills Inc. has documented in excess of **\$10,340** in matching services on this project. This has been included on quarterly reports and a final accounting for the final report is included in this report. This fulfills the minimal 10% required match on the project.

In closing, I would like to thank Oregon OSHA and the Department of Consumer and Business Services for their support and encouragement in this project. Mike Lulay, Mark Hurliman, and all the staff at Or-OSHA have been very helpful and supportive throughout this project. It is hoped that over time, other businesses will benefit from this project's results.

Patrick Kraft
OMEP Manufacturing Consultant
And Project Manager for Cascade Steel Rolling Mills Inc.