

Oregon OSHA Worksite Redesign Grant Final Quarterly and Project Report

Company: **Portland Marble Works Inc.**
Contract Number: **#99/01-15**
Project Name: **Adjustable Tilting Work Table**

Date: 1/14/02

Project accomplishments and effectiveness:

We have created what we think will be a very useful device for relieving ergonomic issues in a wide variety of work environments. As you know, we were faced with the task of trying to define and build a worktable for supporting and manipulating granite slabs of material weighing up to 500 lbs., during the finishing process after sawing. This process normally has been done on fixed height sawhorses. We held concept meetings with the Concept Designer. We finalized a prototype design. We had it manufactured and modified. We then installed it and tested it. It works very well for us. The table lifts, tilts up to about 30 degrees, and the table top with material will index in a circle, all with electric control. It is stable and can be used in a harsh environment. The ergonomic assessments show a marked improvement in the working conditions when using the new device. This design would work well anywhere you need to manipulate a load on a worktable. A good example would be in a maintenance department at a company.

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. Mike McCurdy, President from Portland Marble Works 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
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 **\$27,274**. Through adjustments in the spending categories as approved, it was completed within the cost scope budgeted.

The attached Exhibit C reflects a billing totaling **\$3,208.97** 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 **\$71.70** from this project fund. Please contact Pat Kraft from OMEP to confirm this amount.

Customer match overview:

Portland Marble Works Inc. has documented in excess of **\$5,950** 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. Mark Hurliman, Mike Lulay 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
OMEPA Manufacturing Consultant
And Project Manager for Portland Marble Works Inc.