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**Type of Report**

**PROJECT ###**

TITLE

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by

for

oregon department of transportation

Research Section

555 13th Street NE, Suite 1

Salem OR 97301

and

Federal Highway Administration

1200 New Jersey Avenue SE

Washington, DC 20590

**Month Year**

Technical Report Documentation Page

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| **SI\* (MODERN METRIC) CONVERSION FACTORS** | | | | | | | | | | | | | | | | |
| **APPROXIMATE CONVERSIONS TO SI UNITS** | | | | | | | | **APPROXIMATE CONVERSIONS FROM SI UNITS** | | | | | | | | |
| Symbol | | When You Know | Multiply By | | To Find | Symbol | | Symbol | | When You Know | Multiply By | | To Find | Symbol | | |
| **LENGTH** | | | | | | | | **LENGTH** | | | | | | | | |
| in | inches | | | 25.4 | millimeters | | mm | mm | millimeters | | | 0.039 | inches | | in | |
| ft | feet | | | 0.305 | meters | | m | m | meters | | | 3.28 | feet | | ft | |
| yd | yards | | | 0.914 | meters | | m | m | meters | | | 1.09 | yards | | yd | |
| mi | miles | | | 1.61 | kilometers | | km | km | kilometers | | | 0.621 | miles | | mi | |
| **AREA** | | | | | | | | **AREA** | | | | | | | | |
| in2 | square inches | | | 645.2 | millimeters squared | | mm2 | mm2 | millimeters squared | | | 0.0016 | square inches | | in2 | |
| ft2 | square feet | | | 0.093 | meters squared | | m2 | m2 | meters squared | | | 10.764 | square feet | | ft2 | |
| yd2 | square yards | | | 0.836 | meters squared | | m2 | m2 | meters squared | | | 1.196 | square yards | | yd2 | |
| ac | acres | | | 0.405 | hectares | | ha | ha | hectares | | | 2.47 | acres | | ac | |
| mi2 | square miles | | | 2.59 | kilometers squared | | km2 | km2 | kilometers squared | | | 0.386 | square miles | | mi2 | |
| **VOLUME** | | | | | | | | **VOLUME** | | | | | | | | |
| fl oz | fluid ounces | | | 29.57 | milliliters | | ml | ml | milliliters | | | 0.034 | fluid ounces | | fl oz | |
| gal | gallons | | | 3.785 | liters | | L | L | liters | | | 0.264 | gallons | | gal | |
| ft3 | cubic feet | | | 0.028 | meters cubed | | m3 | m3 | meters cubed | | | 35.315 | cubic feet | | ft3 | |
| yd3 | cubic yards | | | 0.765 | meters cubed | | m3 | m3 | meters cubed | | | 1.308 | cubic yards | | yd3 | |
| ~NOTE: Volumes greater than 1000 L shall be shown in m3. | | | | | | | |  |  | | |  |  | |  | |
| **MASS** | | | | | | | | **MASS** | | | | | | | | |
| oz | ounces | | | 28.35 | grams | | g | g | grams | | | 0.035 | ounces | | | oz |
| lb | pounds | | | 0.454 | kilograms | | kg | kg | kilograms | | | 2.205 | pounds | | | lb |
| T | short tons (2000 lb) | | | 0.907 | megagrams | | Mg | Mg | megagrams | | | 1.102 | short tons (2000 lb) | | | T |
| **TEMPERATURE (exact)** | | | | | | | | **TEMPERATURE (exact)** | | | | | | | | |
| °F | Fahrenheit | | | (F-32)/1.8 | Celsius | | °C | °C | Celsius | | | 1.8C+32 | Fahrenheit | | °F | |
| \*SI is the symbol for the International System of Measurement | | | | | | | | | | | | | | | | |

acknowledgements

I thank everyone!

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# Chapter 2

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# References

Appendix A

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