



ROUGH SAWN TREATED LUMBER MGS-92-01C

1.0 DESCRIPTION. This specification covers rough sawn treated lumber for bridge deck repair and other uses.

1.1 The American Wood Preserver's Association Standards (AWPA) referred to in these specifications shall be the latest version in effect at the time of the request for bids for this material.

1.2 The Southern Pine Inspection Bureau Grading Rules and the Standard Grading Rules for West Coast Lumber of the West Coast Lumber Inspection Bureau shall be the latest edition in effect at the time of the request for bids for this material.

2.0 MATERIALS. The lumber shall be Southern Pine or Douglas Fir of the West Coast Region as defined in ASTM D 1165, ROUGH SAWN, and treated, meeting the requirements specified herein.

2.1 Dimensions. The lumber shall be provided in a size so that the untreated, dried dimensions equal or exceed the dimensions ordered. Dimensions shown in the bid request are minimum dimensions only. NO MINUS TOLERANCE SHALL BE ALLOWED.

2.2 Southern Pine. Southern Pine shall be furnished in accordance with the provisions of the Standard Grading Rules for Southern Pine Lumber of the Southern Pine Inspection Bureau. It shall be No. 1 or better conforming to Paragraph 312 or 312.1 and shall be kiln dried or air dried in accordance with Paragraph 164.

2.3 Douglas Fir. Douglas Fir shall be furnished in accordance with the provisions of of the Standard Grading Rules for West Coast Lumber of the West Coast Lumber Inspection Bureau. It shall be No. 1 or better conforming to Paragraph 123-b and shall be kiln dried or air dried in accordance with Paragraph 3 and its subsections.

2.4 Treatment. The lumber shall be pressure treated with creosote, pentachlorophenol solution, or water-borne preservative (ACA or CCA) in accordance with the requirements of AWPA C2 except that the final minimum retention per cubic foot of wood, by assay, shall be as follows:

<u>Preservative</u>	<u>Final Minimum Retention</u>
Creosote	12 pounds
Pentachlorophenol	0.60 pounds
ACA or CCA	0.60 pounds

2.4.1 Creosote. Creosote shall conform to the requirements of AWPA P1.

2.4.2 Pentachlorophenol.

Pentachlorophenol preservative shall meet the requirements of AWPA P8 in a hydrocarbon solvent meeting the requirements of AWPA P9, Type A.

2.4.3 Water-borne Preservatives (ACA or CCA). Water-borne preservatives shall meet the requirements of AWPA P5.

3.0 INSPECTION.

3.1 The lumber shall be rigidly inspected at the treating plant prior to and after treatment for compliance with these specifications. Inspection procedures shall be in accordance with AWPA M2.

3.2 All material treated in the state of Missouri or within 100 air miles of the border will be inspected by Missouri Department of Transportation personnel.

3.3 All costs of inspection for material treated at locations other than as shown in Section 3.2 shall be borne by the supplier. The supplier shall contract with an approved inspection agency for inspection.

3.3.1 An approved inspection agency is defined as a laboratory which has been accredited by the American Lumber Standards Committee, P. O. Box 210, Germantown, MD 20875-0210, or an experienced and qualified testing laboratory approved by the engineer.