

RECYCLED MATERIALS

SECTION 01356

{Instruction to Consultants: The Master Specification must only be considered to be general guidelines as it is not prepared for a Specific Project. If the items described in the Master Specification do not match the items actually going to be used in a Specific Project, then the Consultant must add new text or modify the existing text so that the final Specification is fully coordinated and consistent with the Contract Drawings. The Master Specification must not be considered complete. Additions and deletions necessary to make it Project specific are required from the Consultant. Items that are not part of the scope of the Specific Project must be deleted.

The Consultant must add to and/or delete paragraphs, items, etc. to the Master Specification Section as required by the scope and nature of the Specific Project. The general format and general statements of the various Sections must remain unchanged. The Consultant must modify and finalize the footer to identify the Specific Project as to name of Project, Project number, and issued for/issue date.}

PART 1 GENERAL

1.01 SUMMARY

- A. This Specification includes use and tracking requirements and procedures for compliance with certain sustainable design guidelines based on City of Chicago O'Hare Modernization Program Sustainable Design Manual, December 2003. Reference can be found at www.oharemodernization.org under "OMP Public Information."
- B. This Section includes tracking requirements and forms necessary for compliance with this Specification.

1.02 RELATED DOCUMENTS

- A. Recycled Content of materials will be defined in accordance with 16 CFR 260.7(e) of the Federal Trade Commission's "Guide for the Use of Environmental Marketing Claims".

1.03 DEFINITIONS

- A. Recycled Materials: Materials that are manufactured, extracted, harvested, or recovered and contain some amount of post-consumer and/or post-industrial recycled content.
 - 1. Materials and products to be considered generally include Division 2 through 14 items. This includes but is not limited to concrete and concrete products, masonry, aggregate, paving materials, steel and steel products, particle boards and other

manufactured wood or fiber products, metal siding and roofing, tile, paneling, carpet and pads, glazing, metal piping.

2. With the exception of metal piping (e.g. copper, cast iron, etc.), mechanical and electrical systems and components (Division 15 and 16 items) are to be excluded from the recycled content calculations. Items that are not to be considered include but are not limited to pumps, fans, heaters, HVAC equipment, wiring, ductwork, lighting fixtures and controls.

B. Recycled Content: The percentage by cost of the constituents of a product or building material that have been recovered or otherwise diverted from a solid waste stream, either during the manufacturing process (post-industrial), or after consumer use (post-consumer).

1. Post-Consumer Recycled Content is consumer waste that has become a raw material (feedstock) for another product. The post-consumer recycled content of an item will be given as a percentage by weight for the purposes of calculating the overall recycled content of the item.
2. Post-Industrial Recycled Content products are those that contain waste from industrial processes that has been traded through the marketplace. The post-industrial recycled content of an item will be given as a percentage by weight for the purposes of calculating the overall recycled content of the item.

1.04 CALCULATIONS

A. Recycled Content: The overall Recycled Content for a product or building material shall be the percentage of total materials by cost of post-consumer recycled materials plus one half of the post-industrial recycled materials.

1.05 SUBMITTALS

A. Design Estimate – With each milestone submittal during design phase, the Designer of Record shall submit a design estimate (see Form 01356-1.05A, “Recycled Materials Design Estimate”) that identifies total Project material cost (less labor and equipment) and the Recycled Content of the materials and products that are proposed for the Project. For each material, its post-consumer recycled content, post-industrial recycled content, and cost shall be identified.

- B. Pre-Construction Estimate - Within ninety (90) days of date established for the Notice to Proceed, the Contractor shall submit an estimate (see Form 01356-1.05B, "Recycled Materials Pre-Construction Estimate") that identifies total Project material cost (less labor and equipment) and the Recycled Content of the materials and products that are proposed for the Project. For each material, its post-consumer recycled content, post-industrial recycled content, and cost shall be identified.
- C. Final Construction Total - Concurrent with final Application for Payment, the Contractor shall submit the final actual total Project material cost, less labor and equipment (see Form 01356-1.05C, "Recycled Materials Design Estimate"), and the Recycled Content of the materials and products that were used for the Project. For each material, its post-consumer recycled content, post-industrial recycled content, and cost shall be identified.

PART 2 PRODUCTS [NOT USED]

PART 3 EXECUTION

3.01 DOCUMENTATION TEMPLATE

- A. Recycled Materials Design Estimate – Template Form 01356-1.05A attached at the end of this Specification Section should be used by the Designer of Record as guidance for completion of the Regional Materials submittal requirements as outlined in Part 1 of this Specification Section.
- B. Regional Materials Pre-Construction Estimate – Template Form 01356-1.05B attached at the end of this Specification Section should be used by the Contractor as guidance for completion of the Regional Materials submittal requirements as outlined in Part 1 of this Specification Section .
- C. Regional Materials Final Construction Total – Template Form 01356-1.05C attached at the end of this Specification Section should be used by the Contractor as guidance for completion of the Regional Materials submittal requirements as outlined in Part 1 of this Specification Section .

PART 4 METHOD OF MEASUREMENT

4.01 MEASUREMENT

- A. Recycled Materials will not be measured separately for payment, but will be considered included in the overall Contract.

PART 5 BASIS OF PAYMENT

5.01 PAYMENT

- A. All costs associated with meeting these requirements are included in the overall Contract. No additional time or monies will be granted to the Contractor for compliance with these requirements and any associated regulations.

END OF SECTION 01356

