

## **SECTION 01 74 50**

### **CONSTRUCTION & DEMOLITION DEBRIS RECOVERY PLAN AND REPORTING REQUIREMENTS**

#### **PART 1 – GENERAL**

##### **1.01 SUMMARY AND GENERAL INFORMATION**

- A. The City has adopted policies and requirements to promote the reuse, recycling, and management of construction and demolition debris so as to divert such debris from landfill disposal sites.
- B. This Section sets forth planning and reporting requirements to assist the City in measuring its progress toward achieving its construction and demolition debris diversion goals. It also sets forth certain required waste reduction measures. Specifically, this Section requires Contactor to:
  - 1. Submit a Construction and Demolition Debris Management Plan to the City Representative shortly after Notice to Proceed (Article 1.03);
  - 2. Submit monthly Construction and Demolition Debris Recovery Worksheets with its Applications for Payment (Article 1.04);
  - 3. Submit a final Construction and Demolition Debris Recovery Worksheet covering the entire Work prior to and as a condition to final acceptance of the Work (Article 1.05); and
  - 4. Implement waste reduction measures such as eliminating the procurement of unneeded supplies and reducing field office paper waste (Article 1.06).
- C. The requirements set forth in this Section do not apply to hazardous waste, universal waste, or treated wood waste. Contractor shall handle and dispose of such wastes in accordance with all applicable laws and regulations. Such wastes shall be documented separately from construction and demolition debris, and reports relating to such wastes shall be provided to the City Representative as required by the Contract Documents. Refer to Section 02 81 00 (if applicable) for specific reporting requirements for hazardous waste, universal waste, and treated wood waste.

##### **1.02 DEFINITIONS**

- A. Construction and Demolition (C&D) Debris: Building materials and solid waste generated from construction and demolition activities, including, but not limited to, fully cured asphalt, concrete, brick, rock, soil, lumber, gypsum wallboard, cardboard and other associated packaging, roofing material, ceramic tile, carpeting, fixtures, plastic pipe, metals, tree stumps, and other vegetative matter resulting from land clearing and landscaping for construction, deconstruction,

demolition or land developments. Hazardous waste, as defined in California Health and Safety Code section 25100, et seq., as amended, is not Construction and Demolition Debris.

- B. Recover or Recovery: Any activity, including source reduction, deconstruction and salvaging, reuse, recycling and composting, which causes materials to be recovered for use as a resource and diverted from disposal.
- C. Recyclable Material: Any material or product separated or capable of being separated at its point of discard or from the solid waste stream for utilization as a raw material in the manufacture of a new product.
- D. Recycling: The process of collecting, sorting, cleansing, treating, and reconstituting materials that would otherwise become solid waste. Recycling does not include burning, incinerating, or thermally destroying solid waste.
- E. Recycling Facility: A recycling facility is an operation that collects and does any one or combination of the following: sorting, cleaning, treating, reusing, and reconstituting materials that would otherwise become solid waste.
- F. Reuse: Making new use of a material without altering its form.
- G. Source-Separated Materials: Materials that are sorted at the site of generation by individual material type for the purpose of reuse or recycling (e.g., demolished concrete that is separated at the Site for delivery to a base course recycling facility).
- H. Universal Waste: Any of the following hazardous wastes that are subject to the universal waste requirements (a) batteries, (b) pesticides, (c) mercury-containing equipment, and (d) fluorescent lamps.

### **1.03 CONSTRUCTION AND DEMOLITION DEBRIS MANAGEMENT PLAN**

- A. Prior to commencing construction or demolition Work at the Site, Contractor shall conduct a site assessment to estimate the types and quantities of materials that will be generated by project-related construction and demolition and which materials are anticipated to be feasible and practical for reuse and recycling.
- B. Based on its site assessment, the Contractor shall prepare a Construction and Demolition Debris Management Plan ("Plan"). The Plan shall include the following:
  - 1. The Contractor's information and Project identification.
  - 2. Procedures to be used for debris management. Procedures shall be consistent with any requirements for debris management set forth in the Contract Documents, including any mitigation measures that address debris management.

3. A list of the materials and estimated quantities to be reused, recycled, or transported to an off-site facility.
  4. The names, locations, and permit or license, as applicable, of recycling and reuse facilities that the Contractor plans to use for this Project.
  5. Procedures for source separation for recyclable and reusable materials.
  6. A description of practices for this Project that will reduce waste at the source, such as requiring vendors to deliver materials in reusable packaging.
  7. A description of procedures in which materials are recycled and/or reused on-site, such as grinding materials for use on-site, or reuse of lumber for concrete frames, etc.
  8. Procedures to educate and train all employees and subcontractors on recycling and reuse procedures to be used at the jobsite.
- C. Contractor shall submit its Plan in electronic format (PDF) to the City Representative no later than 10 working days after Notice to Proceed. The City Representative may schedule a meeting with Contractor to discuss Contractor's proposed Plan.
- D. Contractor's Plan will be subject to review by the City Representative. Review of the Contractor's Plan by the City will not relieve Contractor of its responsibility for compliance with all applicable laws and regulations governing control and disposal of solid waste or other pollutants.
- E. Contractor shall review the contents of its Plan with all jobsite workers and subcontractors, and shall make good faith efforts to ensure full compliance with the Plan for the duration of the Contract Work.

#### **1.04 CONSTRUCTION AND DEMOLITION DEBRIS RECOVERY MONTHLY SUMMARY REPORT**

- A. With each Application for Payment, Contractor shall submit a Construction and Demolition Debris Recovery Monthly Summary Report ("Monthly Report") that quantifies the construction and demolition debris generated and recycled, reused, or transported to an off-site facility during a given monthly progress payment period.
- B. Contractor shall prepare the Monthly Report using the form provided in Appendix A to this Section. Contractor must follow all instructions set forth in the form, and include all required supporting documentation.
- C. Contractor shall submit the Monthly Report in electronic format (PDF).

### **1.05 CONSTRUCTION AND DEMOLITION DEBRIS RECOVERY FINAL REPORT**

- A. Prior to and as a condition to final acceptance of the Work by the City, Contractor shall submit a Construction and Demolition Debris Recovery Final Report ("Final Report"). The Final Report shall quantify the construction and demolition debris generated and recycled, reused or transported to an off-site facility for the entire Work.
- B. Contractor shall prepare the Final Report using the form provided in Appendix A to this Section. Contractor must follow all instructions set forth in the form, and include all required supporting documentation.
- C. Contractor shall submit the Final Report to the City Representative in electronic format (PDF).

### **1.06 WASTE REDUCTION MEASURES**

- A. Contractor shall implement waste reduction measures during performance of the Work including, but not limited to, the following:
  - 1. Eliminate the procurement of unneeded supplies;
  - 2. Reduce office paper waste by printing and copying double-sided;
  - 3. To the extent possible and in conformance with the requirements of the Contract Documents, submit all submittals, reports, and forms in electronic format (PDF);
  - 4. Recycle field office wastes using available recycling and composting programs; and
  - 5. To the extent possible and in conformance with the requirements of the Contract Documents, purchase products made with recycled content.

### **1.07 COSTS AND EXPENSES**

- A. All costs and expenses related to the requirements set forth in this Section are incidental to other Work and are included in Contractor's Total Bid Price.

### **PART 2 – PRODUCTS (NOT USED)**

### **PART 3 – EXECUTION (NOT USED)**

### **END OF SECTION**