

**STATEMENT OF WORK**  
**FOR**  
**MAINTAINING, PICKING-UP, REPAIRING, DELIVERING, AND SETTING-UP**  
**EXISTING AND REPLACEMENT**  
**RAISIN INSPECTION EQUIPMENT**

**January 24, 2002**

Performance Based Statement of Work

Agricultural Marketing Service  
Fruit and Vegetable Programs  
Processed Products Branch  
Wage Grade Workers, Raisin Marketing Order  
Fresno Field Office, Fresno, California

SECTION C-1.  
GENERAL INFORMATION.

Agricultural Marketing Service (AMS), Fruit and Vegetable Programs (F&V), Processed Products Branch (PPB) provides inspection and grading services for processed fruits and vegetables and related products on a user fee basis. The PPB's Fresno Field Office is strategically located in the center of the raisin production area where the inspection and grading of raisins occurs. The Fresno Field Office inspects and grades raisins under the industry's Raisin Marketing Order and employs about 70 career graders and staff and another 300 to 400 seasonal mixed tour graders. In addition, it employs wage-grade workers who maintain and repair the mechanical equipment used to assist in grading raisins.

C-1.1. SCOPE OF WORK.

C-1.2. CONTRACTOR PERSONNEL.

C-1.2.1. Contract Manager. The contractor shall provide a contract manager who shall be responsible for the performance of the work. The name of this person, and or alternates who shall act for the contractor when the manager is absent, shall be designated in writing to the contracting officer.

C-1.2.1.1. The contract manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract.

C-1.2.1.2. The contract manager or alternate shall be available during normal duty hours to meet with government personnel (designated by the contracting officer) to discuss problem areas.

C-1.2.1.3. The Contract manager and alternate must be able to read, write, speak and understand English.

C-1.2.2. Contractor Employees. The contractor shall not employ persons for work on this contract if such employee is considered by the contracting officer to be a potential threat to the health, safety, security, general well being or operational mission of the installation and its population.

C-1.2.2.1. Contractor personnel shall present a neat appearance and be easily recognized as contractor employees. They must wear an official badge provided by the USDA designating them as contracted employees. They must also wear a white hair net and bump hat provided by the USDA at all times when in the food processing areas. They must wear bump hats in the dehydrator and incoming lab areas.

*Note:* FAR 37-114 (c) requires that contractor personnel attending meetings, answering phones, and working in other situations where their status is not obvious are required to identify themselves as such to avoid creating the impression that they are Government officials.

C-1.2.2.2. The contractor must make sure all employees have a current and valid State of California Driver's License.

C-1.2.2.3. The contractor shall not employ any person who is an employee of the U.S. Government if employing that person would create a conflict of interest.

C-1.2.3. Technical Advice. The government will provide technical advice to the contractor and to the contract manager or alternate on an ongoing basis. There will be no training provided to the contractor's employees.

C-1.3. QUALITY CONTROL. In compliance with the contract, the contractor shall provide a Quality Control Plan with their proposal that contains, as a minimum, the items listed in C-1.3.2. to the contracting officer for evaluation against the evaluation factor contained in Section M of the solicitation. The contractor shall make any modifications required to the plan and obtain government approval before the contract start date.

C-1.3.2. The plan shall include:

C-1.3.2.1. A description of the inspection system to cover all services listed. The description shall include specifics as to the areas to be inspected on both a scheduled and unscheduled basis, frequency of inspections, and the personnel who perform the inspections.

C-1.3.2.2. A description of the methods to be used for identifying and preventing defects in the quality of service performed.

- C-1.3.2.3. A description of the records to be kept and made available to the contracting officer, when requested, throughout the contract performance period and for the period after contract completion until final settlement of any claims under this contract.
- C-1.4. QUALITY ASSURANCE. According to the contract, the government will evaluate the contractor's performance under this contract. The Contracting Officer's Technical Representative (COTR) or evaluators will follow the methods of surveillance specified in this contract. Government personnel will record surveillance observations. When an observation indicates defective performance, the COTR will require the contract manager or representative at the site to initial the observation. The initialing of the observation does not necessarily constitute concurrence with the observation, only acknowledgment that he or she has been made aware of the defective performance. Surveillance will be done according to standard inspection procedures or other contract provisions. Any action taken by the contracting officer as a result of surveillance will be in accordance with the terms of this contract.
- C-1.4.1. Performance Evaluation Meetings. The contracting officer may require the contract manager to meet with the contracting officer, contract administrator, COTR, and other government personnel as deemed necessary. The contractor may request a meeting with the contracting officer when he or she believes such a meeting is necessary. Written minutes of any such meetings shall be recorded in the contract file and must be signed by the contract manager, the contracting officer or contract administrator. If the contractor does not concur with any portion of the minutes, such nonconcurrence shall be provided in writing to the contracting officer within 10 calendar days following receipt of the minutes.
- C-1.5. PHYSICAL SECURITY. The contractor shall be responsible for safeguarding all government property provided for contractor use. At the end of each work period, all government facilities, equipment and all materials shall be secured.
- C-1.6. HOURS OF OPERATION.
- C-1.6.1. Normal Hours of Operation. The contractor shall perform the services required under this contract during the following hours: 8:00 AM to 4:30 PM, Monday through Friday. 8:00 AM to 4:30 PM is considered 8 working hours.
- C-1.6.1.1. Holidays. The contractor will not be required to work the days designated as Federal holidays: New Years Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.

- C-1.7. CONSERVATION OF UTILITIES. The contractor shall make sure employees practice conservation of utilities. The contractor shall be responsible for operating under conditions that prevent the waste of utilities to include:
- C-1.7.1. Lights shall be used only in areas where work is actually being performed.
- C-1.7.2. Employees shall not adjust mechanical equipment controls for heating, ventilation, and air conditioning systems.
- C-1.7.3. Water faucets, valves, heating and air conditioning valves shall be turned off when not in use and at the end of the day.
- C-1.8. RECORDS. The contractor shall be responsible for creating, maintaining, and disposing of the following records: service records including work orders, records resulting from the implementation of the contractor's Quality Control Plan, and records required by the Performance Work Statement.
- C-1.8.1. If requested by the Government, the contractor shall provide the original record, or a reproducible copy of any such record within 5 working days of receipt of the request. The records must be kept on file for 3 years.

SECTION C-2.  
DEFINITIONS

C-2. DEFINITIONS

C-2.1. GENERAL DEFINITIONS

Contracting Officer - The government employee responsible for executing/administering and providing direction on the contract, the Contracting Officer for the USDA, AMS, Fruit & Vegetable Programs, Processed Products Branch.

COTR - Contracting Officer's Technical Representative. Assists the Contracting Officer when requested by the Contracting Officer.

Quality Assurance Plan- This is the plan provided by the government to determine whether a contractor has fulfilled their contract obligations pertaining to quality and quantity.

Surveillance - This is monitoring the provisions of the Performance Work Statement and the contractor's Quality Control Plan by the COTR.

Quality Control Plan - This is a plan provided by the contractor and is what is referred to as the technical requirements in the contract relating to the quality of the

service prescribing inspections and other quality controls incumbent on the contractor to assure that the service conforms to the contractual requirements.

Government - This term refers to the United States Department of Agriculture, Agricultural Marketing Service, Processed Products Branch, Fresno Field Office, Fresno, California.

SECTION C-3.

GOVERNMENT-FURNISHED PROPERTY AND SERVICES.

C-3.1. GENERAL INFORMATION. The government shall provide facilities and shop equipment as described in *Exhibits 1 and 2*.

C-3.2. GOVERNMENT FURNISHED PROPERTY:

C-3.2.1. GOVERNMENT-FURNISHED FACILITIES. The government shall furnish or make available facilities described in *Exhibit 1*. The government-furnished facility is space in the government leased building at 2202 Monterey Street, Fresno, California 93721. The space is approximately 47'5" by 27'9". No modifications of the facilities shall be made without specific written permission from the contracting officer is given. The contractor shall return the facilities to the government in the same condition as received, fair wear and tear and approved modifications excepted. These facilities shall only be used in performance of this contract.

C-3.2.2. GOVERNMENT-FURNISHED SHOP EQUIPMENT. The government shall provide the contractor with shop equipment listed in *Exhibit 2*.

C-3.2.2.1. INVENTORY OF SHOP EQUIPMENT. An inventory of government furnished equipment must be completed not later than 30 calendar days before the start of the contract, within 30 calendar days of the start of the option period, and not later than 7 calendar days before the completion of the contract period (including option periods). The contractor and the COTR or other government representative shall jointly determine the working order and condition of all equipment and document their findings on the inventory. In the event of disagreement between the contractor and the government representative on the working order and condition of equipment, the disagreement shall be treated as a dispute under the contract clause entitled "Disputes."

- C-3.2.2.2. REPLACEMENT OF UNUSABLE SHOP EQUIPMENT. The contractor shall submit requests for replacement of unusable government-furnished shop equipment to the COTR for processing. Unusable equipment is equipment that can not be repaired. Such requests shall specify the reason for the need for the replacement request. The contractor must submit a written order for replacement equipment to the COTR at least 2 calendar days after the break down of the equipment and the determination by the contractor that it is unusable.
- C-3.2.2.2.1. Lathe. If for some reason the lathe becomes unusable, it will not be replaced.
- C-3.2.2.3. RETURN OF UNUSABLE SHOP EQUIPMENT. The contractor shall return unusable equipment to the government for possible salvage parts prior to the COTR authorizing the processing of replacement equipment.
- C-3.2.3. GOVERNMENT-FURNISHED MATERIALS. The government will provide the materials listed in *Exhibit 3 and 4* for performance of services by the contractor for the duration of the performance of the contract. The initial stock of materials provided shall be inventoried not later than 7 working days before contract start by the contractor and a government representative designated by the contracting officer. The contractor shall be responsible for keeping enough materials on hand for the performance of the contract according to its terms. If additional materials are authorized by the contract, the contractor shall request such additional materials by providing written request to the COTR at least 2 calendar days before the required delivery date of the materials. At the conclusion of the contract period, including any option period, the contractor shall return all residual inventory to the government.
- C-3.2.4. GOVERNMENT-FURNISHED EQUIPMENT PARTS. The government will supply parts for the shop equipment and the raisin inspection equipment as described in *Exhibits 3 and 4*. The contractor must submit a written order for parts to the government by providing written request to the COTR at least 2 calendar days after the break down of the equipment.
- C-3.2.4.1. The contractor shall retain the unusable parts that are replaced for at least 10 working days after completion of the job and make these parts available for inspection by the COTR upon request.

C-3.3. GOVERNMENT FURNISHED SERVICES

C-3.3.1. Government Furnished Utilities. The government will provide utilities in the government-furnished facility.

C-3.4. GOVERNMENT-FURNISHED RECORDS.

C-3.4.1. The government shall furnish one years' Service Work Orders, one year's Airstream Sorter Maintenance Checklists, and a print-out of all raisin inspection equipment showing serial numbers and/or identification numbers. Also, provided will be the names of the plants (field locations) where raisin equipment will be serviced; the addresses and types/number of raisin equipment at each location is included in the Performance Work Statement (*Exhibit 5*). All other pertinent records are provided in the Performance Work Statement.

C-4. CONTRACTOR-FURNISHED ITEMS AND SERVICES

C-4.1. GENERAL INFORMATION. The contractor shall provide all labor, supervision, tools, materials, and transportation necessary to deliver, maintain, repair, pick-up, and set-up existing and replacement raisin equipment.

C-4.1.1. All services performed by the contractor must be done either at the government-furnished facility or at one of the field locations.

C-4.1.2. The contractor shall not neglect or misuse the equipment.

C-4.1.3. CLEAN -UP. The contractor will not allow debris to accumulate in the shop work area or in the field location where a job is being done or has been completed. The contractor shall clean-up all debris including water spills at the end of each job and remove all remaining debris at completion of each job.

C-4.1.4. WORK RECEPTION DESK. The contractor shall operate and maintain a Trouble Telephone/Work Reception Desk at the Government-Furnished Facility during normal hours of operation (8:00 AM to 4:30 PM) Monday through Friday, excluding Federal holidays, to receive work orders.

C-4.1.5. ACCIDENTS AND VANDALISM DAMAGE. The work required to repair equipment damaged by accidents and vandalism shall be performed at no additional cost to the government.

C-4.1.6. DISPUTES ON MATERIAL, EQUIPMENT, AND PARTS. When disputes arise concerning material, equipment, and parts selected by the Contractor to repair or maintain equipment, the Contractor shall, at no cost the government, remove, replace and/or rework the equipment at the request of the COTR so that compliance with the Performance Work Statement are satisfied.

C-4.2. SPECIFIC INFORMATION. The contractor shall maintain, pick-up, repair, deliver, and set-up existing and replacement: air stream sorters, micro sand washers, dried fruit moisture testers, sizers, grinders, scales, rehydrating and dehydrating ovens, Denver splitters, Yankee rotators (micro shakers), mico filter systems, bag fillers, bicycles, inspection lighting, hot plates, and office furniture which includes desks, file cabinets, stools, wall cabinets, and chairs for the labs. See *Exhibit 6* for a list of raisin inspection equipment and the current quantity of each.

The main objective is to have all equipment ready at the start of the season which is usually August 15th.

Throughout the year, the contractor shall deliver, maintain, repair and pick-up all of the existing and replacement equipment which periodically breaks down from normal usage. In addition, the contractor shall deliver and pick-up equipment when there are plant openings and closures. Pick-up and delivery may be to and from field locations and storage locations. The contractor should maintain an inventory of all the equipment at all times. The repairing of equipment at the lab facilities during the season must not interrupt lab procedures and/or plant operations.

C-5. SPECIFIC TASKS

C-5.1. SERVICE REQUESTS. The contractor shall maintain and repair existing and replacement raisin equipment. The contractor will accept routine service requests by phone or written work orders from the government and will provide service within 1 working day of receiving the routine phone or work order service request. The contractor will repair equipment when 1) there are routine service requests either by phone or by written work order, 2) the contractor provides the required regular maintenance, and 3) through trouble shooting. Trouble shooting is when the contractor's employee is at a field location and a government employee is having a problem with a piece of equipment, the contractor's employee is asked to look at the equipment to see if there can be an immediate resolution to the problem.

- C-5.2. SERVICE REPORTS. The contractor shall prepare and submit a written report of maintenance or repair work within two-business days of completion of the service. The report shall identify each type of equipment serviced, work done, the field location, and the contractor's employee providing the service.
- C-5.2.1. A copy of the "Written Service Work Order Request" that the contractor is required to use is attached as *Exhibit 7* (see Section I. 4. of the solicitation). This form may be revised by the government.
- C-5.3. RAISIN INSPECTION EQUIPMENT INVENTORY. An inventory of raisin inspection equipment must be completed not later than *30 calendar days* before the start of the contract, within *30 calendar days* of the start of the option period, and not later than *7 calendar days* before the completion of the contract period (including option periods). The contractor and the COTR or other government representative shall jointly determine the working order and condition of all equipment and document their findings on the inventory. In the event of disagreement between the contractor and the government representative on the working order and condition of equipment, the disagreement shall be treated as a dispute under the contract clause entitled "Disputes."
- C-5.3.1. The contractor shall prepare a written inventory report.
- C-5.4. CONDITION OF RAISIN INSPECTION EQUIPMENT. All equipment has been maintained and repaired within the last year, has been kept in operable condition, and will be kept in operable condition. Operable condition is defined for each piece of equipment in its respective section of this Statement of Work. However, because repair is an ongoing process, there will be some equipment that is in need of repair at the time the contract is awarded. At that time, a list of equipment in need of repair will be provided to the contractor.
- C-5.5. REPLACEMENT OF UNUSABLE RAISIN INSPECTION EQUIPMENT. The contractor shall submit requests for replacement of unusable raisin inspection equipment to the COTR for processing. Unusable equipment is equipment that can not be repaired. Such requests shall specify the reason for the need for the replacement request. The contractor must submit a written order for replacement equipment to the COTR at least 2 calendar days after the break down of the equipment and the determination by the contractor that it is unusable.

- C-5.6. RETURN OF UNUSABLE RAISIN INSPECTION EQUIPMENT. The contractor shall return unusable raisin inspection equipment to the government for possible salvage parts prior to the COTR authorizing the processing of replacement equipment.
- C-5.7. RAISIN INSPECTION EQUIPMENT is as follows:
- C-5.7.1. AIR STREAM SORTERS. The Air Stream Sorter is a piece of equipment used for sorting samples of natural-condition raisins on the basis of maturity and immature raisin content. The machine sorts a 1,000 gram sample of raisins in 4 to 10 minutes, whereas the hand-sorting method requires more than an hour. Results from the machine are more precise than those from hand sorting. Machines will produce equivalent results to each other if air velocity and temperature are controlled accurately. See *Exhibit 8* for a picture, diagrams, and specifications.
- C-5.7.2. MICRO SAND WASHERS. The micro sand washer is a machine used to simulate the wash used in the processing of raisins. Micro sand washing is part of the process to test for sand and microorganisms in raisins. The heaviest use of these machines is during the receiving of raisin from the growers to the packers during the months of August to December. They are used year around in the micro labs. See *Exhibit 9* for a picture, diagrams, and specifications.
- C-5.7.3. DRIED FRUIT MOISTURE TESTERS. This is a piece of equipment that tests the amount of moisture in a raisin sample. The moisture tester is a type A series that was developed by the Dried Fruit Association of California. The moisture tester measures the conductance in ground raisins. See *Exhibit 10* for a picture, diagrams, and specifications.
- C-5.7.4. SIZERS. A sizer is a mechanical screen that determines the size of raisins. It mechanically reproduces the backward and forward motion given in hand sieving, but with uniform mechanical action producing dependable sizing tests. This mechanical screen analysis is more accurate, rapid and more convenient than hand sieving. See *Exhibit 11* for a picture, diagrams, and specifications.
- C-5.7.5. GRINDERS. This equipment grinds raisins for use in the moisture machine. This is part of the process used to determine moisture content in raisins. The outgoing lab inspection grinder (*Exhibit 12*) is a 16-tooth hand grinder cutter assembly that has been adapted to fit an electric motor. The incoming lab inspection grinder (*See Exhibit 13 for a picture, diagrams, and specifications*) is a motorized grinder with a head that has 3/16 inch front plate holes.

- C-5.7.6. SCALES. There are four different types of scales used in raisin inspection. They are Triple Beam, Toledo, Mettler, and SK-2000. These are all commercial scales with manufacturer's specifications. See *Exhibit 14* for the Triple Beam, *Exhibit 15* for the Toledo, *Exhibit 16* for the Mettler, and *Exhibit 17* for the SK-2000 for pictures, diagrams, and specifications.
- C-5.7.7. REHYDRATING AND DEHYDRATING OVENS. This equipment is used to rehydrate raisins when moisture tests are too low to read on the Moisture Tester and used to dehydrate raisin when moisture is too high to read on the Moisture Tester. Ovens are made of galvanized sheet metal with four metal trays used to hold raisin and one bottom metal pan used to hold water. Ovens are also equipped with a thermostat, heating element and fan. See *Exhibit 18* for a picture, diagrams, and specifications.
- C-5.7.8. DENVER SPLITTERS. This equipment mixes raisins to form a representative sample of raisins. Each splitter consists of a heavy metal hopper with a series of chutes opening at the top and bottom. Alternate chutes open in opposite directions, thus splitting the sample into equal parts. The splitters are constructed of 22 gauge galvanized sheet metal. Each splitter contains 12 one inch wide riffles that alternate backward and forward. See *Exhibit 19* for a picture, diagrams, and specifications.
- C-5.7.9. YANKEE ROTATORS (Micro Shakers). This is a rotating shaker used to agitate a flask. The Yankee Rotator is part of the process to determine infestation in the micro department. The rotating shaker holds a 2000 ml flask that agitates a sample for three minutes. See *Exhibit 20* for a picture.
- C-5.7.10. MICRO FILTER SYSTEMS. This equipment is a suction filtering system that separates raisin pulp from the liquid part of the raisin sample after boiling. See *Exhibit 21* for a picture.
- C-5.7.11. BAG FILLERS. This equipment is used assist in filling raisins into number 16 bags. These bag fillers are used during incoming raisin season which is August through November. See *Exhibit 22* for a picture.
- C.5.7.12. BICYCLES. Bicycles are equipment used for transportation of government employees and sample bags to get from one place within the field location to another place, such as, from the raisin incoming dock to the incoming lab. All bicycles must be equipped with fenders and baskets. See *Exhibit 23* for a picture, diagrams, and specifications.
- C-5.7.13. INSPECTION LIGHTING. This equipment is used in the illumination of product in the grading of raisins. There are three types of lighting used. They are Portable Exomolite, Permanent Examolite (MacBeth), and Goose neck Lamp. See

*Exhibit 24* for a picture of the portable examolite, *Exhibit 25* for a picture of the permanent examolite (MacBeth), and *Exhibit 26* for a picture of the goose neck lamp.

- C-5.7.14. HOT PLATES. This is equipment that is used to heat pans of water. Hot plates are used to boil water and raisins so that further tests may be done for sand, mold, and micro tests. See *Exhibit 27* for a picture.
- C-5.7.15. OFFICE FURNITURE. Office furniture includes desks, file cabinets, wall cabinets, stools, and chairs.
- C-5.8. MAINTENANCE:
- C-5.8.1. Overall maintenance inspection checks must be done at least one a year on all equipment. All equipment and parts must be kept at the existing state of repair as when the contract is awarded and must be preserved from failure or decline.
- C-5.8.2. Air stream sorter
- C-5.8.2.1. Maintenance includes but is not limited to: cleaning, tear down (i.e., removal of plexiglass, removal of tapes, removal of gaskets) re-assembly, and checking for air leaks. See *Exhibit 28 - Air Stream Sorter Maintenance Checklist*.
- C-5.8.2.2. Between January 1 and July 31 each year, all 127 air stream sorters must be cleaned and repaired on a rotating basis because they are in continual use in the field locations and must be scheduled for maintenance. The scheduling for maintenance will be done by work orders provided by the government. The air stream sorters must be adjusted to operable condition. Operable condition means being able to adjusting the pressure setting at .33 for Zantes, .48 for Natural Thompson (substandard), and .67 for Natural Thompson Seedless (B or Better) and the pressure settings will be stabilize at those readings. This indicates the system is air tight and operable. Air temperature must be constant at 90 degrees  $\pm$  1 degree. During this air tight operation the raisins must move on a feed belt that operates at 6 RPMs with a front baffle setting 1 7/16 for the small hopper and 1 3/16 for the large hopper. Operable condition includes cleaning the equipment.
- C-5.8.2.3. After maintenance, the Contractor must make the air stream sorters available to the government for standardization for 2 days prior to delivery back to the field location.
- C-5.9.3. Micro Sand Washers
- C-5.9.3.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. Inspect and check all mechanical and electrical parts for damage. In-line filters must be cleaned once a year and more often during heavy

use which is from August through November. Spray tips must be changed once a year to insure proper volume of spray. August 1 through August 15 each year, machines must be started and run through a complete cycle. Sand washers must be clean and free of rust prior to delivery and set-up in field locations.

C-5.9.4. Dried Fruit Moisture Testers, Micro Filter Systems, and Bag Fillers

C-5.9.4.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year.

C-5.9.5. Sizers

C-5.9.5.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect, check, and adjust all components for damage and proper operation. Equipment will be cleaned prior to repair and prior to delivery to the field locations.

C-5.9.6. Grinders

C-5.9.6.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect and check all components for damage and proper operation. Sharpen cutter knife in both the 16-tooth hand grinder cutter assembly and the incoming grinder. Equipment will be cleaned prior repair and prior to delivery to the field locations.

C-5.9.7. Scales

C-5.9.7.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. Inspect for accuracy according to manufacturer's specification for each scale. This inspection must be done between January 1 and July 31 each year. Clean according to manufacturer's specification.

C-5.9.8. Rehydrating and Dehydrating Ovens

C-5.9.8.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect and check all component parts for damage and proper operation. Ovens must be clean and free of rust.

C-5.9.9. Denver Splitters

C-5.9.9.1. Inspect and check all parts to keep up the existing state of repair and preserve from

failure or decline. An overall maintenance inspection check must be done at least once a year. Equipment will be cleaned prior to delivery to the field locations.

C-5.9.10. Yankee Rotators

C-5.9.10.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect and check all component parts and electrical parts for damage.

C-5.9.11. Bicycles

C-5.9.11.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Bicycles must be cleaned prior to delivery to field locations.

C-5.9.12. Inspection Lighting

C-5.9.12.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect and check electrical wiring, switches and lamps for damage. Replace lamps to government's specification which is MacBeth for the Examolite, and 100 watt Teflon coated safety bulb for both the Goose neck and Swivel Base lamps.

C-5.9.13. Hot Plates

C-5.9.13.1. Inspect and check all parts to keep up the existing state of repair and preserve from failure or decline. An overall maintenance inspection check must be done at least once a year. Inspect and check all parts to determine if the hot plate can heat up and can boil water.

C-5.9.14. Office Furniture

C-5.9.14.1. No maintenance required.

C-5.10. PICK-UP

C-5.10.1. Airstream sorter

C-5.10.1.1. The contractor must pick-up each air-stream sorter from the field location each year between January 1 and July 31 and deliver to the Government Furnished Facility for maintenance.

C-5.10.1.2. The contractor will pick-up an air-stream sorter when the contractor is notified by the government that an air stream sorter is in need of repair or the contractor determines that one is in need of repair. The equipment must be picked-up within 1

working day of notification by the government.

C-5.10.2. Micro Sand Washers, Dried Fruit Moisture Testers, Sizers, Grinders, Scales, Rehydrating and Dehydrating Ovens, Denver Splitters, Yankee Rotators, Micro Filter Systems, Bag Fillers, Bicycles, Inspection Lighting, and Hot Plates.

C-5.10.2.1. The contractor will pick-up the equipment when the contractor is notified by the government that one is in need of repair or the contractor determines that one is in need of repair. The equipment must be picked-up within 1 working day of notification by the government.

C-5.10.3. Office Furniture

C-5.10.3.1. The contractor will pick-up office furniture when notified by the government that office furniture needs to be picked up. The contractor will pick-up office furniture when there are plant closures and openings and when replacement furniture is needed at the field locations as requested by government work order. The equipment must be picked-up within 1 working day of notification by the government.

C-5.11. REPAIR

C-5.11.1. Air stream sorter

C-5.11.1.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Examples include but are not limited to: repair electrical wiring; replace thermostat; make minor adjustments; weld; solder; replace mechanical parts; replace electrical parts; paint by preparing metal surface by sanding and/or wire brushing to remove loose or flaking paint, then clean to a smooth surface prior to painting. The air stream sorters must be repaired to operable condition. Operable condition means being able to adjusting the pressure setting at .33 for Zantes, .48 for Natural Thompson (substandard), and .67 for Natural Thompson Seedless (B or Better) and the pressure settings will be stabilize at those readings. This indicates the system is air tight and operable. Air temperature must be constant at 90 degrees  $\pm 1$  degree. During this air tight operation the raisins must move on a feed belt that operates at 6 RPMs with a front baffle setting  $1 \frac{7}{16}$  for the small hopper and  $1 \frac{3}{16}$  for the large hopper. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.2. Micro Sand Washers

C-5.11.2.1. After determining the malfunction, resolve the problem(s) by repairing and/or replacing parts. Examples include but are not limited to: repair electrical problems; repair mechanical problems; adjust; weld; replace mechanical and electrical parts such as, solenoids and timer. Repair must be done within 5

working days.

*See Exhibit 29 - Procedures for Micro Sand Washer Timing Adjustment*

- C-5.11.2.2. All sand washers must be repaired to operable condition. Operable condition includes cleaning the equipment. Operable condition means: The pump motor must pump out the water during the timing cycle. The spray tips must spray evenly across the product during the spray cycle. The machine must agitate back and forth sixty times a minute during the cycle. The sink must fill to one inch during the fill cycle at 50 degrees.
- C-5.11.3. Dried Fruit Moisture Testers
- C-5.11.3.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Repair to operable condition. Operable condition is when on tap setting three, the test electrode reading is  $35.5 \pm 1\%$  and when on tap setting six, the test electrode the reading is  $83.5 \pm 1\%$ . Operable condition includes cleaning the equipment. Repair must be done within 5 working days.
- C-5.11.4. Sizers
- C-5.11.4.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Examples include but are not limited to: replace assemblies, replace electrical components, replace parts, replace timer, and weld. Equipment will be cleaned prior to maintenance and repair and prior to delivery to the field locations. *All sizers must be repaired to operable condition. Operable condition means: The sizer is able to shake at 216 RPMs with four sizing pans securely in place for five minutes.* Operable condition includes cleaning the equipment. Repair must be done within 5 working days.
- C-5.11.5. Grinders
- C-5.11.5.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Examples include but are not limited to: replace broken parts, solder, weld, paint by preparing the surface prior to painting then painting, and replace electrical parts. All grinders must be repaired to operable condition. Operable condition means that a grinder is able to grind raisins into a smooth consistency. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.
- C-5.11.6. Scales, Inspection Lighting, and Hot Plates
- C-5.11.6.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. All scales, inspection lighting, and hot plates must be repaired to operable condition. Operable condition means repairing and adjusting to manufacturer's specifications. Operable condition includes cleaning the equipment. Repair must

be done within 5 working days.

C-5.11.7. Rehydrating and Dehydrating Ovens

C-5.11.7.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. All Rehydrating and Dehydrating ovens must be repaired to operable condition. Operable condition means the oven fan blows air, the heating element gets hot, the thermostat regulates temperature at 110 degrees  $\pm$  1 degree and holding pan holds water. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.8. Denver Splitters

C-5.11.8.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Examples include but are not limited to: fabricate and assemble chutes; install new chute assemblies; paint by preparing the surface prior to painting then painting; spot weld, arc weld, and sharp edges must be eliminated. All Denver Splitters must be repaired to operable condition. Operable condition means chutes mix samples into evenly mixed parts. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.9. Yankee Rotators

C-5.11.9.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. All Yankee Rotators must be repaired to operable condition. Operable condition means that it rotates with a flask at 180 RPMs. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.10. Micro Filter Systems

C-5.11.10.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. All Micro Filter Systems must be repaired to operable condition. Operable condition means that the suction filtering system separates all the sample pulp from the liquid with the pulp remaining on the dry filter paper and the liquid remaining in the flask. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.11. Bag Fillers

C-5.11.11.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Examples include but are not limited to: replace broken parts, solder and weld damaged and loose parts. Sharp edges in galvanized sheet metal must be eliminated. Paint frame; paint by preparing the surface prior to painting then painting. All bag fillers must be repaired to operable condition. Operable condition means when a 16 pound raisin sample can be poured through the bag

filler into a number 16 bag without spillage. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.12. Bicycles

C-5.11.12.1. After determining a malfunction, resolve the problem by repairing and/or replacing parts. Repair includes installing fenders and baskets on new bicycles. Examples include but are not limited to: Repair or replace tires, tubes, and parts. All bicycles must be repaired to operable condition. Operable condition means repairing and adjusting to manufacturer's specifications. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.11.13. Office Furniture

C-5.11.13.1. After determining malfunction, repair and/or replace parts that malfunction. All office furniture must be repaired to operable condition. Operable condition means file cabinet drawers open and close, file drawer locking mechanisms work; desk drawers open and close; and chair adjustments and rollers work. Operable condition includes cleaning the equipment. Repair must be done within 5 working days.

C-5.12. DELIVERY

C-5.12.1. Air stream sorters

C-5.12.1.1. Any time air stream sorters have been picked-up for repair, a replacement (which has already been standardized) is necessary to be delivered to that field location within 4 working hours. Any time air stream sorters have been picked-up for maintenance, they shall be delivered back to the same field location ONLY after standardization by the government. Delivery includes placing the air stream sorters in the position requested by the government and/or plant personnel.

C-5.12.2. Micro Sand Washers, Dried Fruit Moisture Testers, Sizers, Grinders, Scales, Rehydrating and Dehydrating Ovens, Denver Splitters, Yankee Rotators, Micro Filter Systems, Bag Fillers, Bicycles, Inspection Lighting, and Hot Plates.

C-5.12.2.1. Any time equipment has been picked-up for repair, a replacement is necessary to be delivered back to that field location within 4 working hours. Delivery includes placing equipment in the position requested by the government and/or plant personnel.

C-5.12.3. Office Furniture

C-5.12.3.1. The contractor shall deliver office furniture to and from field locations and storage locations. Delivery includes placing the furniture, desks, file cabinets and chairs in

the position requested by the government personnel and/or plant personnel.

C-5.13. SET-UP

C-5.13.1. Air stream sorters

C-5.13.1.1. Air Stream Sorter machines with Gauge Oil. Set machine on plastic blocks that are provided with each machine. Open manometer oil wells by turning the gauge connectors one complete turn (180 degrees) and connect manometer tubes to the gauge connectors. Must be completed the day of delivery.

C-5.13.1.2. Air Stream Sorter machines with Differential Pressure Transmitter. Set machine on plastic blocks that are provided with each machine. Must be completed the day of delivery.

C-5.13.2. Micro Sand Washers

C-5.13.2.1. Hook the micro sand washer up to water source. Adjust pressure regulator to 30 PSI. Turn the power to the sand washer on. Measure the level of water at the end of the fill cycle at 50 degrees; the water level must be at 1 inch. The set-up must be completed the day of delivery.

C-5.13.3. Dried Fruit Moisture Testers, Grinders, Scales, Rehydrating and Dehydrating Ovens, Denver Splitters, Yankee Rotators, Bag Fillers, Bicycles, Hot Plates, and Office Furniture.

C-5.13.3.1. No set-up required.

C-5.13.4. Sizers

C-5.13.4.1. Bolt the sizer down in four locations; Must be completed the day of delivery.

C-5.13.5. Micro Filter Systems

C-5.13.5.1. Drill holes in counter for 3/8 inch tubing when new installation is required. Run tubing from flask to micro filter system pump. Must be completed the day of delivery.

C-5.13.6. Inspection Lighting

C-5.13.6.1. For new plants, installation of Examolites in the outgoing labs. Must be completed the day of delivery.

## EXHIBITS

1. Government Furnished Facility
2. Government Furnished Shop Equipment
3. Government Furnished Parts & Material for Shop Equipment
4. Government Furnished Parts & Material for Raisin Inspection Equipment
5. Field Location Directory
6. List of Raisin Inspection Equipment and current Quantity of Each
7. Written Service Work Order Request
8. Air Stream Sorter picture, diagrams, and specifications
9. Micro Sand Washer picture, diagrams, and specifications
10. Dried Fruit Moisture Tester picture, diagrams, and specifications
11. Sizer picture, diagrams, and specifications
12. Outgoing Grinder picture
13. Incoming Grinder picture, diagrams, and specifications
14. Triple Beam Scale picture, diagrams, and specifications
15. Toledo Scale picture, diagrams, and specifications
16. Mettler Scale picture, diagrams, and specifications
17. SK-2000 Scale picture, diagrams, and specifications
18. Rehydrating and Dehydrating Oven picture, diagrams, and specifications
19. Denver Splitter picture, diagrams, and specifications
20. Yankee Rotator (Micro Shaker) picture
21. Micro Filter System picture
22. Bag Filler picture
23. Bicycle picture, diagrams, and specifications
24. Portable Examolite picture
25. Permanent Examolite (MacBeth) picture
26. Goose neck Lamp picture
27. Hot Plate picture
28. Air Stream Sorter Maintenance Checklist
29. Procedures for Micro Sand Washer Timing Adjustment