ITEM 202.12XX0001 - HANDLING, SAMPLING, TRANSPORTATION, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

DESCRIPTION:

1. General. This work shall consist of handling, sampling, testing, transportation, and disposal of petroleum contaminated soil.

The Contractor shall ensure that all operations associated with the handling, sampling, loading, transportation, and disposal of non-hazardous and hazardous petroleum contaminated materials are in compliance with Federal and applicable State Department of Transportation regulations, 40 CFR, Parts 262 and 264 as well as all applicable NYS Department of Environmental Conservation and local regulations.

2. Regulations. Applicable regulations include:

   c. 6 NYCRR 360 - Solid Waste Management Facilities.
   d. 6 NYCRR 364 - Waste Transporter Permits.
   e. 6 NYCRR 372 - Manifest Requirements for Generators and Transporters of Hazardous Waste.
   f. Posted weight limitations on roads on bridges.
   g. Transportation Skills Programs, Inc. 1985 - Hazardous Materials and Waste Shipping Papers and Manifests.
   h. Other local restrictions on transportation of waste/debris.

3. Material Handling Plan. Within forty-five calendar days after award of Contract, the Contractor shall submit to the Engineer for his review and approval, a Material Handling Plan. The Material Handling Plan will be approved by the Engineer prior to the Contractor's commencement of work within the defined areas. The Material Handling Plan shall, at a minimum, consist of:

   a. The Contractor's procedures for safely handling petroleum contaminated soil.
   b. Location of the Contractor's stockpile area.
   c. Identification of the Contractor's proposed waste transporter(s). This information shall include:

      (1). Name and EPA identification number.
      (2). Address.
      (3). Name of responsible contact for the hauler.
      (4). Telephone number for the contact.
      (5). Any and all necessary permit authorizations for each type of waste transported.
      (6). Previous experience in performing the type of work specified herein.

   d. Identification of the Contractor's proposed Treatment, Storage, or Disposal (TSD) Facility for non-hazardous petroleum contaminated soil. A hazardous waste facility will only be identified by the Contractor prior to disposal if sample results indicate one is needed.
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The Contractor shall submit the following information prior to any soil removal regarding the off-site disposal facility or facilities where he is proposing to take petroleum contaminated materials. All information shall be furnished at the Contractor's expense:

(1). General Information. Facility name and EPA identification number.

(a). Facility location.

(b). Name of responsible contact for the facility.

(c). Telephone number for contact.

(d). Signed letter of agreement to accept waste as specified in this Contract.

(e). Unit of measure utilized at facility for costing purposes.

(2). A listing of all permits, licenses, letters of approval, and other authorizations to operate, which are currently held and valid for the proposed facility as they pertain to receipt and management of wastes derived from this Contract.

   e. The name, address, and telephone number of the contact for the Contractor's proposed chemical laboratory.

   f. The name and experience of the Contractor's sampling technician.

MATERIALS:

Watertight containers for hazardous materials (if present), other containers as required in the USDOT Regulations.

Polyethylene (30 mil thickness minimum) to be placed under and over soil piles.

CONSTRUCTION DETAILS:

1. Material Handling.

   a. The Contractor shall stockpile visibly contaminated soil as directed by NYSDOT Engineer or NYSDEC Representative on site. All drainage around the stockpiles shall be directed away from the piles.

   b. The Contractor shall sample and test the soil pile for flash point, pH, total petroleum hydrocarbons, PCB Screen, BTEX, total organic halides, TCLP (8 metals). One composite sample should be taken per each 76 cubic meters of possible contaminated soil. All sampling will be done under supervision of a NYSDOT Inspector. Samples should be taken from within the pile. Surface soil shall not be used as sampling material.

   c. Certified sample results must be submitted to the Engineer-In-Charge within two weeks after sample collection.

   d. The Contractor will be required to submit information on the proposed hazardous waste facility to the Engineer-In-Charge for approval.

   e. Stockpiled material shall be placed on and covered with polyethylene to protect against erosion and leaching into surrounding soils. The stockpile area shall be graded for positive drainage away from the pile.

   f. The Contractor shall institute procedures to protect site personnel and the public from the non-hazardous and hazardous material.
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2. Off-Site Transportation and Disposal.
   a. General.
   
   (1). Manifests. The Contractor shall organize and maintain the material shipment records/manifests required by the Federal Resource Conservation and Recovery Act (RCRA) (Public Law 94-580), the State of New York and the state where the treatment/disposal facility is located.

   (2). The Contractor shall coordinate the schedule for truck arrival and material deliveries at the job site to meet the approved project schedule. The schedule shall be compatible with the availability of equipment and personnel for material handling operations at the job site.

   (3). The Contractor shall inspect all vehicles leaving the project site to ensure that contaminated soils adhering to the wheels or underride are removed prior to the vehicle leaving the site.

   b. Hauling.

   (1). The Contractor shall not deliver waste to any facility other than the disposal facility(ies) listed on the shipping manifest.

   (2). The Contractor shall coordinate manifesting, placarding of shipments, and vehicle decontamination. All quantities shall also be measured and recorded upon arrival at the disposal facility. If any deviation between the two records occurs, the matter is to be reported immediately to the Engineer-In-Charge.

   (3). The Contractor shall be held responsible for any and all actions necessary to remedy situations involving material spilled in transit or mud and dust tracked off-site. This cleanup shall be accomplished at the Contractor's expense.

   (4). The Contractor shall ensure that trucks are protected against contamination by properly covering and lining them with compatible material or by decontaminating them prior to any use other than hauling contaminated materials.

   (5). The Contractor shall only use the transporter(s) identified in his Material Handling Plan for the performance of work. Any use of substitute or additional transporters must have previous written approval from the Engineer-In-Charge at no additional cost to the NYSDOT.

   (6). The Contractor shall develop, document, and implement a policy for accident prevention.

   (7). The Contractor shall not combine contaminated materials from other projects with material from the Project Site.

   (8). Where hazardous waste is present, the NYSDOT will provide a hazardous waste generator identification number for use on the manifest and will sign the manifest as the generator.

   c. Off-Site Disposal.

   (1). The Contractor shall use only the treatment, disposal, and recovery facility(ies) identified in his Material Handling Plan for the performance of the work. Substitutions or additions shall not be permitted without
ITEM 202.12XX0001 - HANDLING, SAMPLING, TRANSPORTATION, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

prior written approval from the Engineer-In-Charge, and if approved shall be at no extra cost to the NYS DOT.

(2). The Contractor shall be responsible for acceptance of the material at an approved treatment, disposal, or recovery facility for ensuring that the facility is properly permitted to accept the stated material, and that the facility provides the stated treatment and/or disposal services.

(3). The Engineer reserves the right to contact and visit the disposal facility and regulatory agencies to verify the agreement to accept the stated material and to verify any other information provided. This does not in any way relieve the Contractor of his responsibilities under this Contract.

(4). In the event that the identified and approved facility ceases to accept the stated materials or the facility ceases operations, it is the Contractor's responsibility to locate an alternate approved and permitted facility(ies) for accepting materials. The Contractor is responsible for making the necessary arrangements to utilize the facility(ies), and the alternate facility(ies) must be approved in writing by the Engineer-In-Charge in the same manner and with the same requirements as for the original facility(ies). This shall be done with no extra cost or delay to the NYS DOT.

d. Record Keeping. The Contractor shall obtain manifest forms, material code numbers, and complete the shipment manifest records as required by the appropriate regulatory agencies for verifying the material type (Code No.) and quantity of each load in unit of volume and weight. Copies of each manifest shall be submitted to the Engineer-In-Charge within four (4) business days following shipment, and within three (3) business days after notification of receipt of the disposal facility. Any manifest discrepancies shall be reported immediately to the Engineer-In-Charge and be resolved by the Contractor to the satisfaction of the Engineer-In-Charge.

METHOD OF MEASUREMENT:

Quantities for non-hazardous soil shall be measured in cubic meters. The cubic meters will be computed in stockpiled position immediately following excavation.

Quantities for hazardous petroleum contaminated soil shall be measured in metric tons. The metric tons will be determined by truck scale weights capable of generating load tickets.

Quantities for samples shall be measured as the number of samples that are tested and have results submitted to the Engineer-in-Charge.

BASIS OF PAYMENT:

The unit bid price shall include the cost of furnishing all labor, materials, handling, transportation, disposal, sampling, testing, documentation, permits, stockpiling, hauling, and any other incidentals necessary to complete the work.

Excavation and backfill will be paid for under their respective items.

Payment will be made under:

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>PAY UNIT</th>
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<tbody>
<tr>
<td>202.12010001</td>
<td>Hazardous Petroleum Contaminated Soil Handling, Transportation, and Disposal</td>
<td>Ton</td>
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<tr>
<td>202.12020001</td>
<td>Non-hazardous Petroleum Contaminated Soil Handling, Transportation, and Disposal</td>
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<td>202.12030001</td>
<td>Sampling and Testing of Soil Pile (Flashpoint, pH TPH, PCB Screen, BTEX, TOH, TCLP-8 Metals)</td>
<td>Each</td>
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