

SECTION 101

DEFINITIONS AND TERMS

101-1.03 DEFINITIONS, PLANS. *Delete text of PLANS and replace with:* The Department's contract drawings, profiles, typical cross sections, standard drawings, and supplemental drawings or reproductions showing the location, character, dimensions, and details of the work.

SECTION 105

CONTROL OF WORK

105-1.02 PLANS AND WORKING DRAWINGS. *In Third paragraph delete: "(24"x36") and replace with: (22"x34")*

105-1.03 CONFORMITY WITH PLANS AND SPECIFICATIONS. *In first sentence of first paragraph after: "Work performed and materials furnished shall conform to the Plans and Specifications" add: and approved Working Drawings,*

In first sentence of second paragraph after: "All work or material not conforming to the Plans and Specifications" add: and approved Working Drawings,

105-1.13 MAINTENANCE DURING CONSTRUCTION. *Add the following at the end of this subsection:* All costs of maintenance work during construction and before the project is accepted as substantially complete shall be subsidiary to the prices bid on the various contract items, and the Contractor will not be paid an additional amount for such work.

If in the Engineer's opinion, the Contractor at any time fails to provide adequate maintenance, the Engineer will notify the Contractor of such noncompliance. The notification will specify the areas or structures for which there is inadequate maintenance, the corrective maintenance required, and the time allowed to complete corrective maintenance. If the Contractor fails to take the corrective action within the specified time, the Engineer may:

1. Suspend the work until corrective maintenance is completed;
2. Assess a traffic price adjustment against the Contract Amount when an adjustment rate is specified in the Contract; and
3. Employ others for corrective maintenance and deduct the cost from the Contract amount.

Add the following Subsection 105-1.18:

105-1.18 RESERVED FOR WARRANTIES.

SECTION 106

CONTROL OF MATERIAL

Add New Subsection 106-1.08:

106-1.08 SUBMITTAL PROCEDURE. The Contractor shall complete a Submittal Register, and shall submit it to the Engineer on forms provided by the Department. The intent of the Submittal Register is to provide a blueprint for the smooth flow of specified project documents. The Contractor shall fill it out sequentially by bid item and allow at least three spaces between bid items. The Submittal Register shall list all working drawings, schedules of work, and other items required to be submitted to the Department by the Contractor including but not limited to: Progress Schedule, anticipated dates of material procurement, Construction Phasing Plan, Traffic Control Plan, Storm Water Pollution Prevention Plan, Quality Control Program, Utility Progress Schedule, Blasting Plan, Mining Plan, annual EEO reports, DBE payment documentation and subcontracts.

The Contractor shall submit materials (product) information to the Engineer for review, as required by the Materials Certification List and the Contract.

The number of copies required for submittals may be included in the specifications for individual bid items. If the number of copies of a submittal is not otherwise specified, three copies shall be required. On each sheet submitted to the Department, including working drawings, catalog cuts, manufacturer's certifications, etc., space shall be provided for Contractor and Department review stamps.

Each copy of each submittal shall include a Submittal Summary sheet. The Contractor may use forms provided by the Department or a similar form of the Contractor's choice as approved by the Department. The Contractor shall sign submittals and submit them to the Engineer. The Department will review submittals within 30 days after they are received. The Department will return submittals to the Contractor as either: approved, conditionally approved with the conditions listed, or rejected with the reasons listed. The Contractor may resubmit a rejected submittal to the Engineer with more information or corrections. The Department will review resubmittals within 30 days after they are received.

The Contractor shall not order material or use working drawings that have not been approved by the Department. The Contractor shall be responsible for timely submittals. Failure by the Department to review submittals within the time given may be the basis for a request for extension of Contract time but not for additional compensation.

Payment for a specific contract item will not be made until the Department has received the Submittal Register for all items and approved all required submittals for that specific contract item.

When material invoices, freight bills and mill certificates are submitted, they shall provide sufficient information for the Engineer to identify the date, company and location of invoice (bill, certificate); project name and number where material will be incorporated; manufacturer, product number, quantity and cost.

Add the following Subsection 106-1.09:

106-1.09 RESERVED.

**STANDARD MODIFICATION
E 35**

01/27/07

SECTION 107

LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

107-1.11 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE. Add the following paragraphs:

7. Restoring Areas. Areas used by the Contractor, including haul routes, shall be restored to their original condition after the Contractor's operations are completed. The original condition of an area shall be determined as follows: Prior to commencement of operations, the Engineer and the Contractor shall inspect each area and haul route that will be used by the Contractor and take photographs to document their condition. After construction operations are completed, the condition of each area and haul route will be compared to the earlier photographs. Prior to demobilization the Contractor shall repair damages attributed to its operations. The Contractor agrees that all costs associated with repairs shall be subsidiary to other items of work and will not be paid for directly.
8. Material Disposal Sites. Offsite disposal areas may be at locations of the Contractor's choice, provided the Contractor obtains from the owner of such land written permission for such dumping and a waiver of all claims against the State for any damage to such land which may result therefrom, together with all permits required by law for such dumping. A copy of such permission, waiver of claims, and permits shall be filed with the Engineer before commencing work on private property. The Contractor's selected disposal sites shall also be inspected and approved by the Engineer prior to use of the sites.

STANDARD MODIFICATION
E 36

01/27/06

Changing "Approved Products List" to "Qualified Products List"

101-1.03 DEFINITIONS. Add the following definition: **QUALIFIED PRODUCTS LIST.** A list of companies and products that the Department has found conforms to the SSHC.

106-1.01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS. In fifth paragraph, in two places remove the text: "Approved Products List" and replace with: Qualified Products List

508-2.01 MATERIALS. In paragraph titled Membrane Material, remove the text: "Approved Products List" and replace with: Qualified Products List

660-2.01 MATERIALS. Under Item 1.a. change title by removing: "Materials on the Approved Products List." and replace with: Materials on the Qualified Products List.

660-2.01 MATERIALS. Under Item 1.b. change title by removing: "Materials Not on the Approved Products List." and replace with: Materials Not on the Qualified Products List.

661-2.01 MATERIALS. Under Item 1. change title by removing: "Materials on the Approved Products List." and replace with: Materials on the Qualified Products List.

661-2.01 MATERIALS. Under Item 2. change title by removing: "Materials Not on the Approved Products List." and replace with: Materials Not on the Qualified Products List.

INDEX Remove the text: "Approved Products List" and replace with: Qualified Products List

STANDARD MODIFICATION
E 37

01/27/07

SECTION 204

**STRUCTURE EXCAVATION FOR CONDUITS
AND MIINOR STRUCTURES**

204-3.01 CONSTRUCTION REQUIREMENTS. In first sentence of paragraph four, delete: "bedding and"

SECTION 401

ASPHALT CONCRETE PAVEMENT

401-3.03 ASPHALT MIXING PLANT. *Add the following to the end of the second paragraph:* Provide a tap on the asphalt cement supply line just before it enters the plant (after the 3-way valve) for sampling asphalt cement.

401-3.07 PREPARATION OF EXISTING SURFACE. *In second paragraph delete:* "sawcut pavement, cold joints,"

401-3.09 PREPARATION OF AGGREGATES. *In first paragraph delete:* "WAQTC TM 6" *and replace with:* WAQTC FOP for AASHTO T 329

401-3.14 JOINTS. *Add the following as the sixth paragraph:* For joints below the final layer, uniformly coat the joint surface with tack coat before placing any fresh asphalt concrete mixture against the joint. For joints in the final layer, uniformly coat the joint surface with joint adhesive before placing any fresh asphalt mixture against the joint. Apply joint sealant in a 12 inch wide strip centered over joints in the final layer of asphalt concrete mixture while the asphalt is still clean, free of moisture, and before striping. Use Crafcoc Pavement Joint Adhesive No. 34524 or Deery Cold Joint Adhesive, and use Asphalt Systems GSB-78 joint sealant, or approved equal. All costs associated with joint preparation, applying joint sealant, and applying joint adhesive are subsidiary to the asphalt concrete pay item.

SECTION 504

STEEL STRUCTURES

504-3.01 FABRICATION. *Delete subsection 8 in its entirety and replace with the following:*

8. Welding. Perform all welding and Nondestructive Examination (NDE) as specified or shown on the Plans. Conform to the ANSI/AASHTO/AWS *Bridge Welding Code* D1.5 when welding new steel bridge girders, beams and stringers. Conform to the *Structural Welding Code* AWS D1.1 when welding all other steel structures.

At least 30 days prior to welding, submit for approval a welding plan that has been signed and stamped by a Certified Welding Inspector (CWI) responsible for Quality Control (QC) and consisting of the following documents:

- a. Quality Control personnel qualifications listing CWI number;
- b. Welding Procedure Specifications (WPS) using forms in AWS D1.1, Sample Welding Forms;
- c. Procedure Qualification Records (PQR) when applicable, using forms in AWS D1.1, Sample Welding Forms;
- d. Welder Performance Qualification Records (WPQR) using forms in AWS D1.1, Sample Welding Forms with the documentation of current welder certification;
- e. Sample daily inspection sheet; and
- f. Type and extent of NDE to be conducted, as required in the specifications.

Perform all Quality Control inspection necessary to ensure the materials and workmanship meet the requirements of the contract documents. Use a CWI for welding inspection.

Correct all deficiencies in materials and workmanship revealed by Quality Control and Quality Assurance inspections without additional compensation.

Furnish all completed Quality Control inspection documents to the Engineer and to the Quality Assurance representative designated by the State (when designated).

Meet Charpy V-notch impact test requirements as shown on the Plans and according to Sections 715 and 716; except that the impact energy values for filler metals must not be less than that of the base metals to be joined, when tested at the same temperature as the base metal.

**STANDARD MODIFICATION
E 40**

01/27/07

SECTION 608

SIDEWALKS

608-3.03 CURB RAMPS. *Delete subsection in its entirety and replace with the following:*

Construct curb ramps according to the details and the locations shown on the Plans. Follow the construction requirements of Subsection 608-3.01. Give the exposed concrete surface a coarse broom finish. Install detectable warnings.

Add new subsection:

608-3.04 DETECTABLE WARNINGS. Construct detectable warnings according to the details and the locations shown on the Plans. Install detectable warning tile by embedding tile flanges into cast in place concrete construction so there are no vertical changes in grade exceeding 0.25 inch or horizontal gaps exceeding 0.5 inch. Align pattern on a square grid in the predominant direction of travel. Install the same type of detectable warning tile throughout the project. Install the following:

1. Armor-Tile ADA-C Series tactile detectable warning tile made of composite materials, safety yellow color, slip resistant surface, full length flanges on bottom, and truncated dome pattern;
2. Cast iron, yellow polymer soaked or black asphalt dip finish, with slip resistant surface, with handle or flange on bottom, and with truncated dome pattern; or
3. Approved equal.

Detectable warnings shall be manufactured and installed according to the Americans with Disabilities Act Accessibility Guidelines.

608-4.01 METHOD OF MEASUREMENT. *Delete fifth paragraph beginning with: "Curb Ramp" and replace with the following:*

Curb Ramp. By each installation, complete in place, including detectable warnings, ramp runs, backing curbs, flares, and landings necessary to provide a single street-level access.

**STANDARD MODIFICATION
E 41**

01/27/07

SECTION 615

STANDARD SIGNS

615-2.01 MATERIALS. *In Item 2.a. Orange Background Signs, add:* Roll-Up Signs: Use 3M series RS 24, Reflexite Marathon Orange, or approved equal (based on durability and reflectivity, as determined by the Engineer). Use flexible signs with fluorescent reflective sheeting that is Type VI or better.

SECTION 618

SEEDING

618-3.01 SOIL PREPARATION. *Delete the fourth paragraph and replace with the following:*

Roughen the surface to be seeded by grooving the soil in a uniform pattern that is perpendicular to the fall of the slope. Use one or more of the following grooving methods prior to the application of seed:

1. Manual raking with landscaping rakes;
2. Mechanical track walking with track equipment; or
3. Mechanical raking with a scarifying slope board. Form one inch wide grooves spaced no more than six inches apart.

You may round the top and bottom of slopes to facilitate tracking or raking and to create a pleasant appearance, but you may not disrupt drainage flow lines.

618-3.02 SEEDING SEASONS. *Add the following:* Seed disturbed areas that require seeding within fourteen days of the permanent cessation of ground-disturbing activities in that area.

Seed between May 15 and August 15, or obtain written approval from the Engineer to seed at a different date.

618-3.03 APPLICATION. *Delete first three sentences and replace with:* Apply seed mix, fertilizer, and mulch (if required) at the rate specified in the Special Provisions. If no seed mix, seed mix application rate, or fertilizer rate are specified in the special provisions, use the recommendations of the Alaska Department of Natural Resources (ADNR) and the Revegetation Manual for Alaska.

Do not seed areas of bedrock, plant beds, and areas indicated on the plans as "no seeding".

Water and fertilizer required for application are subsidiary to the Seeding bid item.

Delete Subsection 618-3.04 in its entirety, and add the following new subsections:

618-3.04 MAINTENANCE AND WATERING. Protect seeded areas against traffic by approved warning signs or barricades. Repair surfaces gullied or otherwise damaged following seeding. Maintain seeded areas in a satisfactory condition until final acceptance of work.

Water and maintain seeded areas. Water applied by this Subsection is a paid contract item. If, in the opinion of the Engineer, too much water is being applied, reduce amount of water as directed.

Reseed areas not showing evidence of satisfactory growth within 3 weeks of seeding. Bare patches of soil more than 10 square feet in area must be reseeded. Erosion gullies over 4 inches deep must be filled and reseeded. Fill the entire erosion gully to surrounding grade, even the portions less than 4 inch deep.

Contact ADNR for advice or corrective measures, when seeded areas are not showing evidence of satisfactory growth. You are responsible for retracking, reseeding, refertilizing and remulching areas that do not show satisfactory growth, and those actions are subsidiary.

618-3.05 ACCEPTANCE. During final inspection the Engineer will perform a visual inspection of seeding to determine final stabilization. During the visual inspection each station and each side of the road will be considered a separate area. The Engineer will accept seeding that has become a vegetative matt with 70% cover density in the inspection area.

Reseed areas that are not acceptable to the Engineer.

618-3.06 PERIOD OF ESTABLISHMENT.

Establishment periods extend for one complete growing season following acceptable seeding. Employ all possible means to preserve the new vegetative matt in a healthy and vigorous condition to ensure successful establishment. Reseed areas that do not meet the specifications. Watering and reseeding after the final inspection are subsidiary.

The Engineer may, but is not required to, determine the Project is complete except for the period of establishment, and issue a letter of final acceptance. After final acceptance, work or materials due under this subsection during any remaining period of establishment are considered warranty obligations that continue to be due following final acceptance in accordance with Subsection 105-1.16.

618-4.01 METHOD OF MEASUREMENT.

After Seeding by the Pound, delete text and replace with: By the weight of dry seed acceptably seeded and maintained.

618-5.01 BASIS OF PAYMENT. Delete paragraphs beginning: "Seeding by the Acre" and "Seeding by the Pound" and replace with:

Seeding by the Acre. Payment is for established vegetative matt. Soil preparation, fertilizer, and water required for hydraulic method are subsidiary.

Seeding by the Pound. Payment is for established vegetative matt. Soil preparation, fertilizer, and water required for hydraulic method are subsidiary.

Add new pay description:

Water for Seeding. Water applied for growth of vegetative matt. Water for hydraulic seeding, fertilizing or mulching is subsidiary. Water after project completion is subsidiary.

**STANDARD MODIFICATION
E 43**

01/27/07

SECTION 621

PLANTING TREES AND SHRUBS

621-3.04 PERIOD OF ESTABLISHMENT. Add the following second paragraph:

The Engineer may, but is not required to, determine the Project is complete except for the period of establishment, and issue a letter of final acceptance. After final acceptance, work or materials due under this subsection during any remaining period of establishment are considered warranty obligations that continue to be due following final acceptance in accordance with Subsection 105-1.16.

SECTION 644

SERVICES TO BE FURNISHED BY THE CONTRACTOR

644-2.01 FIELD OFFICE. Add the following to the end of the first paragraph: Furnish two private telephone lines for the exclusive use of the Engineer. Furnish a telephone connected to the first line and the second line is to be available for a facsimile machine/dial-up Internet connection. Provide Internet connection with send and receive data capability supporting 56 kilobytes per second or higher data transfer rate.

All long distance calls made by State personnel and the Internet service provider will be paid by the State. Local calls and all connection fees shall be paid by the Contractor.

644-2.02 FIELD LABORATORY. Add the following to the end of the second sentence of the first paragraph: through one week after Project Completion.

Add the following new Subsection:

644-2.06 NUCLEAR TESTING EQUIPMENT STORAGE SHED. Design, furnish and maintain a weatherproof, heated, and ventilated nuclear densometer/testing equipment storage shed for the Engineer to use exclusively throughout the contract. Install the building at least 15-feet from an occupied area at a location approved by the Engineer. Install the shed before commencement of construction activities and maintain it until one week after project completion. Provide sufficient floor area for the nuclear testing equipment and a portable electric heater to maintain a minimum room temperature of 50 °F in freezing weather. Design the building with enough floor area to provide sufficient clearance between the equipment, heater, and combustibles. Provide a commercial grade metal-clad exterior entrance door of 3'-0" min width by 6'-8" height with dead-bolt lockset. Hang the door so that hinge pins are not accessible from the exterior. Provide the Engineer with 2 keys to control access. Provide a 5/16" x 10 foot long welded steel security chain securely attached inside the structure with tamperproof hardware for the Engineer to secure the testing equipment. Provide 120-volt, 60-cycle power, an interior light, and a wall receptacle for the heater. Secure the structure to the ground with tamperproof anchors to resist wind loads and prevent unauthorized movement of the building. The nuclear testing equipment storage shed remains the property of the Contractor. Remove the shed from the site following project completion.

Add the following new Subsection:

644-2.07 STORAGE CONTAINER. Furnish, transport and maintain a weathertight, lockable, steel enclosed 20 foot long X 8 foot wide X 8 foot high wooden floored container for the storage of the Department's materials, supplies and testing equipment (but not nuclear equipment). Provide twenty equally spaced fastening points on the interior walls that are capable of securing the Department's contents. Door opening dimensions of the storage container shall be greater than 60 square feet. Supply necessary equipment to lift and move container with minimal disturbance to the Department's contents. The container shall not be moved by skidding or hook lift. The Contractor shall be listed as the shipper on all documents listing and acknowledging receipt of the Department's goods for shipment.

Deliver an empty and clean container to the Regional Materials Laboratory, or location acceptable to the Engineer, three weeks prior to transporting to the project site. Allow 7 days for the Department to load the container. Transport the loaded container to the project site. Set up container at a location approved by the Engineer prior to commencing construction work.

1. Provide electrical service and other facilities as follows:
 - a. Electrical current, 120V (ac), 60 cycle on a 24 hour a day basis.
 - b. Wiring system to support a 20 amp user load demand.
 - c. 2 GFI protected outlets conveniently spaced on the interior walls.

- d. Four 100 watt incandescent or eight 40 watt fluorescent lights located for maximum illumination.
- e. Provide a stairway with railing, built to meet the International Building Code, if there is more than 12-inch difference in floor entry and existing ground elevation.

Return the container to the Regional Materials Laboratory, or location acceptable to the Engineer, upon project completion. Allow 7 days for the Department to unload the container. The storage container remains your property after you complete the work.

644-3.01 METHOD OF MEASUREMENT. *Add the following items:*

Nuclear Testing Equipment Storage Shed. By the number of storage sheds specified, to include all components, installed and accepted as completed units and ready for equipment storage.

Storage Container. By the number of storage containers specified, to include all components, installed and accepted as completed units and ready for materials and equipment storage.

644-4.01 BASIS OF PAYMENT. *Add the following items:*

Lump Sum Items. Payment for lump sum items will be made as follows:

1. A percentage of the lump sum amount, to be determined by the Engineer, will be paid as full compensation for furnishing the facility at the site.
2. The balance of the lump sum amount will be prorated over the anticipated active construction period with a portion included as part of each interim payment, for maintenance, repairs, providing all utilities, and for removing it from the site. If anticipated construction period changes, the final increment will be held until final payment.

Nuclear Testing Equipment Storage Shed. At the contract unit price to include all labor, materials, tools, equipment and supplies required to furnish and install the shed before commencement of construction, to maintain it for the duration of the project and to remove the shed and electrical service after project completion. Electrical service and utility costs are subsidiary to this item.

Storage Container. At the contract unit price to include all labor, materials, tools, equipment and supplies required to deliver the storage shed to the regional office for loading, to deliver it to the project office, to install it before commencement of construction, to maintain it for the duration of the project, to remove the shed and electrical service after project completion, to deliver it to the regional office for unloading, and to remove the storage shed. Electrical service and utility costs are subsidiary to this item.

Add to Pay Items:

644(15) Nuclear Testing Equipment Storage Shed	Each
644(16) Storage Container	Each

**STANDARD MODIFICATION
E 45**

01/27/07

SECTION 701

HYDRAULIC CEMENT

701-2.01 PORTLAND CEMENT. *After:* "Meet AASHTO M 85" *add:* or ASTM C 150

STANDARD MODIFICATION
E 46

01/27/07

SECTION 712

MISCELLANEOUS

712-2.06 FRAMES, GRATES, COVERS, AND LADDER RUNGS. *In Gray iron castings, delete text and replace with:* AASHTO M 306 and AASHTO M 105, Class 35B.

STANDARD MODIFICATION
E 47

01/27/07

SECTION 719

STEEL, GRAY-IRON AND MALLEABLE-IRON CASTINGS

719-2.02 GENERAL REQUIREMENTS. *In Gray-Iron Castings, delete text and replace with:* AASHTO M 306 and AASHTO M 105, Class 35B

STANDARD MODIFICATION
E 48

01/27/07

SECTION 743

FUEL TANK

743-1.01 DESCRIPTION. This item consists of furnishing and installing a protected aboveground motor vehicle fuel or heating oil tank complete with fuel and accessories as specified. Prepare for Department use, an Environmental Protection Agency (EPA) approved Spill Prevention, Control and Countermeasure Plan (SPCC plan).

MATERIALS

743-2.01 TANK. Provide skid-mounted, doublewall, aboveground steel tank. The tank shall be of the type and capacity shown in the bid schedule. Equip tank with accessories as shown on the Plans and as follows:

1. **Overfill Alarm.** Provide a mechanical, audible overfill alarm, Ventalarm Signal as manufactured by Scully Signal Company, 70 Industrial Way, Wilmington, MA 01887 or approved equal.
2. **Automatic Shut-Off Device.** Provide a positive closing, mechanical, automatic shut-off device. Clay & Bailey model F-30 as manufactured by Clay and Bailey Manufacturing Co., 6401 East 40th Street, Kansas City, MO 64129 or approved equal.
3. **Tank-Mounted Mechanical Fuel Gauge.** Provide mechanical gauge with 12-hour clock face in feet and inches readout, activated by a stainless steel float connected to a stainless steel cable. Morrison Model 818 as manufactured by Morrison Bros. Co., P.O. Box 238, Dubuque, Iowa 52004 or approved equal.

4. **Openings.** Provide the following threaded openings and accessories on tank top:
 - a. One 2-inch Interstitial Monitoring with plug
 - b. One 2-inch Normal Vent with screen
 - c. One 2-inch Product fill opening with locking cap
 - d. One 2-inch Product pump opening with plug
 - e. One 2 to 4-inch Liquid level gauge
 - f. One 4 to 8-inch Emergency vent with plug, primary tank
 - g. One 4 to 8-inch Emergency vent with plug, secondary tank
 - h. No Drain Opening at bottom

5. **Exterior Coating.** Abrasive blast the exterior surface of the outer tank according to SSPC-SP 6. Coat the exterior surface with 8 mils total thickness of epoxy paint base and urethane paint finish.

6. **UL Labeling.** Heating oil tanks shall be manufactured and labeled according to UL 142. Motor vehicle fuel tanks shall be manufactured and labeled according to UL 142 and UL 2085.

7. **Insulation.** For motor vehicle fuel tanks install 3-inch thickness of insulation according to ASTM C-332 and ASTM C-495.

When a motor vehicle fuel-dispensing tank is specified, it shall meet or exceed the requirements of UL 2085, Underwriters Laboratories Standard for Safety for Protected Aboveground Tanks for Flammable and Combustible Liquids. Equip with a threaded opening for the specified fuel pump.

Tanks larger than 2,500 gallons require additional openings and accessories for UL rating.

743-2.02 MANUAL DISPENSING SYSTEM. Provide a double-action pump, equipped with detachable, self-venting bung adapter, set screws and strainer screen. Provide a dispensing system that is not gravity fed. The pump shall have 16 feet of ¾-inch diameter arctic service fuel hose with shut-off nozzle and deliver a minimum of 20 gallons/100 strokes. The pump supplied shall be a Gasboy, Model 1720, or approved equal.

743-2.03 ELECTRIC DISPENSING SYSTEM. Provide an electric suction or submerged turbine pump with a delivery rate up to 18 gpm, 3-wheel, meter-register with reset and non-resettable 6 digit master totalizer in a cabinet, anti-siphon valve with internal pressure relief, gate valve, canister style fuel filter, flow meter, 20 ft arctic service fuel hose with swivel and breakaway coupling, hose retractor, OPW 11-A automatic nozzle with lockable nozzle holder, explosion proof pump activation switch, emergency pump shutoff switch mounted on the SRE building, warning signs, and BC fire extinguisher per International Fire Code (IFC) chapter 2201 – 2206.

743-2.04 FUEL. No. 1 diesel or No. 1 heating oil, depending on tank use.

CONSTRUCTION REQUIREMENTS

743-3.01 INSTALLATION. Install according to the International Fire Code (IFC) chapters 22 and 34 for the type of tank specified. Mount and secure the tank on the skid base. Install dispensing system to include all fittings and hose. Install wiring of the pump and emergency shut off according to National Fire Protection Association (NFPA) 30 and the current edition of the National Electrical Code (NEC) for hazardous locations. Place tank at the location shown on the Plans, or as directed. Set automatic shut-off device to 90% capacity. Fill to 90% capacity with specified fuel.

743-3.02 SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN (SPCC). Provide for Department use after tank installation, an EPA approved SPCC plan for the motor vehicle fuel or heating

oil tank, that is certified by a licensed professional engineer. (See <http://www.epa.gov/oilspill/lawsregs.htm> for SPCC plan requirements).

Comply with 40 CFR 112 and address the following issues in the SPCC Plan:

1. Operating procedures that prevent oil spills;
2. Control measures installed to prevent a spill from reaching navigable waters; and
3. Countermeasures to contain, clean up, and mitigate the effects of an oil spill.

The Contractor shall coordinate with the Department to identify oil spill response resources. The SPCC Plan shall take into account the Department's on-site equipment, oil spill containment material, cleanup material, and personnel; and shall make recommendations for future improvements in these areas.

Provide two (2) copies of the SPCC Plan; deliver one to the Engineer to be retained at the site and deliver the other to the Department's Statewide Safety Officer at 5300 E. Tudor Drive, Anchorage, AK, 99507.

743-4.01 METHOD OF MEASUREMENT. Subsection GCP-90-02 and as follows:

1. Lump Sum. No measurement of quantities will be made.
2. Unit Prices. The quantity to be paid for will be the number of units installed, complete, in place, accepted, and ready for operation.

743-5.01 BASIS OF PAYMENT. At the contract unit price for the pay items listed below that appear in the bid schedule. Heating fuel distribution and delivery systems are measured and paid for under other Sections or by Special Provision.

Payment will be made under:

Pay Item	Pay Unit
743(1) Heating Fuel Tank [Capacity in gallons]	Each
743(2) Fuel	Lump Sum
743(3) Manual Dispensing System	Each
743(4) Electric Dispensing System	Each
743(5) Motor Vehicle Fuel-dispensing Tank [Capacity in gallons]	Each
743(6) Spill Prevention Control and Countermeasure Plan	Lump Sum

SUPERCEDED EFFECTIVE MAY 01, 2007,
SEE STANDARD MODIFICATION E 55

SPECIAL PROVISION
ES 15

01/27/06

SECTION 401

ASPHALT CONCRETE PAVEMENT

Add the following:

401-5.02 ASPHALT MATERIAL PRICE ADJUSTMENT.

Asphalt Material Price Adjustment. This subsection is a price adjustment for asphalt material that provides either additional compensation to the contractor or a deduction from the contract amount.

1. This provision shall only apply to cost changes in asphalt material that occur between the date of bid opening and the date the asphalt material is incorporated into the project.
2. The asphalt material price adjustment will only apply when:
 - a. There is more than 500 tons of asphalt material in the bid schedule of Sections described in Item 3; and
 - b. There is more than a seven point five percent (7.5%) increase or decrease in the asphalt cement performance price index, from the date of bid opening to the date the asphalt material is incorporated into the project.
3. This provision shall apply to asphalt material in the bid schedule of Sections 306, 307, 308, 401, 405, 608, and 609; and meeting the criteria of Section 702.
4. The asphalt cement performance price index is the Alaska Asphalt Cement Index calculated by Poten and Partners, and posted bi-monthly on the first and third Friday of each month. The performance price index will remain in effect from the day of posting until the next bi-monthly posting.
5. The Department will adjust the contract price for asphalt material using a contingent sum. Adjustment will be cumulative and calculated with each progress payment. The adjustment will be based on the bi-monthly period the asphalt material is incorporated into the project. The Department will increase or decrease payment under this contract by the amount determined with the following asphalt material price adjustment formula:

For an increase exceeding 7.5%, additional compensation = $[(\text{BMPPI} - \text{BGI}) - (0.075 \times \text{BGI})] \times \text{Q}$
For a decrease exceeding 7.5%, deduction from contract = $[(\text{BGI} - \text{BMPPI}) - (0.075 \times \text{BGI})] \times \text{Q}$

Where:

Q = Quantity of Asphalt Material incorporated into project during the pay period, in tons
BGI = Bi-monthly asphalt cement performance price index in effect on date of bid, in dollars per ton
BMPPI = Bi-monthly asphalt cement performance price index in effect on the last day of the pay period, in dollars per ton

6. Method of measurement is weight of asphalt material incorporated into this project. Water for emulsified asphalt is subsidiary.
7. Basis of payment is:

401(10) Asphalt Material Price Adjustment	Contingent Sum
---	----------------