

SECTION 205

EXCAVATION, BACKFILL, AND
FOUNDATION FILL FOR MAJOR STRUCTURES

205-3.01 EXCAVATION. Within Item 3 Cofferdams, second paragraph, delete the first sentence and replace with:

Submit detailed working drawings showing proposed method of cofferdam construction, designed by a person proficient in cofferdam design. The working drawings must be stamped with the seal of, dated by, and signed by a Professional Engineer registered in the State of Alaska.

SECTION 401

ASPHALT CONCRETE PAVEMENT

401-2.01 COMPOSITION OF MIXTURE - JOB MIX DESIGN. Delete the last paragraph titled Contractor Mix Design and replace with:

Contractor Mix Design. If a bid item for Job Mix Design, Item 401(8), appears in the Contract, perform a Job Mix Design following the requirements specified above. The Job Mix Design must be stamped with the seal of, dated by, and signed by a Professional Engineer registered in the State of Alaska. Furnish the Job Mix Design to the Engineer at least 15 working days before the production of asphalt concrete mixture. Submit samples to the Engineer, upon request, for Job Mix Design verification testing. Do not produce asphalt concrete mixture for payment until the Job Mix Design is approved.

SECTION 512

FORMS AND FALSEWORK

512-3.01 DRAWINGS. Delete Item 5 and replace with:

5. Provide design calculations and working drawings for proposed bridge falsework. Show the stresses and deflections in load supporting members in the falsework design calculations. Use a person proficient in falsework design to perform the work. The design calculations and working drawings must be stamped with the seal of, dated by, and signed by a Professional Engineer registered in the State of Alaska.

STANDARD MODIFICATION
E 52

05/01/07

SECTION 641

EROSION, SEDIMENT, AND POLLUTION CONTROL

641-2.03 SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN REQUIREMENTS. Delete first sentence and replace with: Prepare and implement a SPCC Plan when required by 40 CFR 112, including:

Add the following as the last paragraph of the subsection: You may self-certify the SPCC Plan if your total above ground oil storage capacity is 10,000 gallons or less, and you meet all the requirements for self-certification in 40 CFR 112. Otherwise the SPCC Plan must be certified, stamped with the seal of, dated by, and signed by a Professional Engineer registered in the State of Alaska.

STANDARD MODIFICATION
E 53

05/01/07

SECTION 642

CONSTRUCTION SURVEYING AND MONUMENTS

642-3.04 OFFICE ENGINEERING. Delete third sentence and replace with: Perform the work by, or under the responsible charge of, a person registered in the State of Alaska as a Professional Land Surveyor or a Professional Engineer.

STANDARD MODIFICATION
E 54

05/01/07

SECTION 740

SIGNALS AND LIGHTING MATERIALS

740-2.02 SIGNAL AND LIGHTING STRUCTURES. Within Item 1, delete paragraph two and replace with: All working drawings and calculations must be stamped with the seal of, dated by, and signed by a Professional Engineer registered in the State of Alaska. Submit the working drawings and calculations for each pole to the Engineer for approval. Design for all stresses on the completed structure with all hardware in place. Show the design wind loads, projected areas, wind drag coefficients, material properties, and other design information on the working drawings. Include a summary of the loads used in each pole's design.

SECTION 401

ASPHALT CONCRETE PAVEMENT

Add the following:

401-5.02 ASPHALT MATERIAL PRICE ADJUSTMENT.

Asphalt Material Price Adjustment. This subsection provides a price adjustment for asphalt material by: (1) additional compensation to the contractor or (2) a deduction from the contract amount.

1. This provision shall apply to asphalt material meeting the criteria of Section 702, and is included in items listed in the bid schedule of Sections 306, 307, 308, 401 thru 405, 608, and 609.
2. 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.
3. 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 1; and
 - b. There is more than a seven and one half percent (7.5%) increase or decrease in the Alaska Asphalt Material Price Index, from the date of bid opening to the date the asphalt material is incorporated into the project.
4. As used in this Subsection, the Alaska asphalt material price index is calculated bi-monthly on the first and third Friday of each month, and will remain in effect from the day of calculation until the next bi-monthly calculation. The Alaska asphalt material price index is posted on the Department's Statewide Materials website, and calculated according to the formula posted there.
5. Price adjustment will be cumulative and calculated with each progress payment. Use the price index in effect on the last day of the pay period, to calculate the price adjustment for asphalt material incorporated into the project during that pay period. 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 = $[(IPP - IB) - (0.075 \times IB)] \times Q$
For a decrease exceeding 7.5%, deduction from contract = $[(IB - IPP) - (0.075 \times IB)] \times Q$

Where:

Q = Quantity of Asphalt Material incorporated into project during the pay period, in tons
IB = Index at Bid: the Bi-monthly Alaska asphalt material price index in effect on date of bid, in dollars per ton
IPP = Index at Pay Period: the Bi-monthly Alaska asphalt material price index in effect on the last day of the pay period, in dollars per ton

6. Method of measurement for determining Q (quantity) is the weight of asphalt material that meets the criteria of this subsection and is incorporated into the project. The quantity does not include aggregate, mineral filler, blotter material, thinning agents added after material qualification, or water for emulsified asphalt.
7. Basis of payment is:

401(10) Asphalt Material Price Adjustment	Contingent Sum
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SECTION 643

TRAFFIC MAINTENANCE

643-2.01 MATERIALS. *Under Item 16. Flagger Paddles, delete last sentence and replace with:* Use reflective sheeting that meets AASHTO M 268 Type VIII or IX. Use background colors of fluorescent orange on one side and red on the other side.

643-3.01 GENERAL CONSTRUCTION REQUIREMENTS. *Add the following:*

Immediately notify the Engineer of any traffic related accident that occurs within the project limits as soon as you, an employee, or a subcontractor become aware of the accident.

643-3.04 TRAFFIC CONTROL DEVICES. *In the sixth paragraph and also in Item 4.b., delete: "ATTSA" and replace with:* ATSSA (American Traffic Safety Services Association)

Add the following new Subsection:

643-3.11 HIGH VISIBILITY GARMENTS. Ensure all workers within project limits wear outer garments that are highly visible and comply with the following requirements:

1. Standards.
Use high visibility garments conforming to the requirements of ANSI/ISEA 107-2004, Class 2 for tops or Class E for bottoms, and Level 2 retroreflective material.
2. Labeling.
Use garments labeled in conformance with Section 11.2 of ANSI/ISEA 107-2004; except you may use previously purchased garments labeled in conformance with ANSI/ISEA 107-1999 until 1/1/08.
3. Tops.
Wear high visibility vests, jackets, or coverall tops at all times.
4. Bottoms.
Wear high visibility pants or coverall bottoms during nighttime work (sunset to sunrise). Worksite traffic supervisors, employees assigned to traffic control duties, and flaggers wear high visibility pants or coverall bottom at all times.
5. Outer Raingear.
Wear raingear tops and bottoms conforming to the requirements of this Subsection 643-3.11.
6. Exceptions.
When workers are inside an enclosed compartment of a vehicle, they are not required to wear high visibility garments.
7. Condition.
Furnish and maintain all vests, jackets, coveralls, rain gear, hard hats, and other apparel in a neat, clean, and presentable condition. Maintain retroreflective material to Level 2 standards.

Payment for high visibility garments for workers is subsidiary to other traffic contract items.