

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities
Statewide Design & Engineering Services Division

TO: Distribution

DATE: December 20, 2006

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FROM: Gary Hogins, P.E. 
Chief Engineer

SUBJECT: **Chief Engineer Directive -
Specification Transmittal for
Highways 06-04**

Incorporate the attached standard modifications and special provisions to the 2004 Standard Specifications for Highway Construction on projects advertised after Jan. 27, 2007.

The new standard modifications are:

- E 32 101-1.03 Definitions, Plans. Deletes shop drawings. The Department produces Plans. The contractor produces working drawings.
- E 33 105-1.02 Plans and Working Drawings. Changes drawing sheet size to 22"x34".
 - 105-1.03 Conformity with Plans and Specifications. Adds approved working drawings.
 - 105-1.13 Maintenance during Construction. Adds a procedure for notifying the Contractor of maintenance requirements, time allowed to correct, and penalties for not correcting.
 - 105-1.18 Reserved for Warranties. No language.
- E 34 106-1.08 Submittal Procedure. Defines a submittal and review procedure, with deadlines for the review period, for working drawings and plans submitted by the Contractor.
 - 106-1.09 Reserved. No language
- E 35 107-1.11 Protection and Restoration of Property and Landscape. Adds restoring haul routes and other areas used by the Contractor. Obtain permission, permits and a waiver of claims against the state, for material disposal sites on private property.
- E 36 --- Adds definition and changes "Approved Products List" to "Qualified Products List" in six places.

- E 37 204-3.01 Construction Requirements. Deletes Select Material Type C as a pipe bedding material.
- E 38 401-3.03 Asphalt Mixing Plant. Adds three way valve for sampling asphalt cement.
401-3.07 Preparation of Existing Surface. Deletes tacking sawcut pavement and cold joints (moved to 401-3.14 Joints).
401-3.09 Preparation of Aggregates. Changes test method.
401-3.14 Joints. Adds tack coat on all joint surfaces below final layer, and use joint adhesive on joint surfaces in final layer. Use joint sealant over the top of joints.
- E 39 504-3.01 Fabrication. Changes welding and quality control requirements for steel.
- E 40 608-3.03 Curb Ramps. Deletes colored concrete.
608-3.04 Detectable Warnings. Adds that tile can be made of cast iron in yellow or black colors (existing language also allows yellow plastic with embedded flanges).
608-4.01 Basis of Payment for curb ramp includes detectable warnings, per each.
- E 41 615-2.01 Sign Materials. Adds roll up orange background signs.
- E 42 618-3.01 Grass Seeding, Soil Preparation. Adds methods of roughening surface before seeding.
618-3.02 Seeding Seasons. Adds seasonal deadlines, and fourteen day deadline.
618-3.03 Application. Use regional special provision for application rates, if no special in contract use the Alaska Department of Natural Resources.
618-3.04 Maintenance and Watering. Reseed areas of unsatisfactory growth within 3 weeks. Watering is a paid item.
618-3.05 Acceptance. We will accept vegetative matt with 70% cover density.
618-3.06 Period of Establishment. The period consists of one growing season. Establishes a warranty for successful growth.
618-4.01 Method of Measurement. Seeding measured by the pound is for dry seed.
618-5.01 Basis of Payment. Replace two seeding pay items with new language. Adds basis of payment for water applied during seeding growth, paid per M-gal.
- E 43 621-3.04 Planting Trees & Shrubs, Period of Establishment. Establishes a warranty for successful growth.
- E 44 644-2.01 Field Office. Adds telephone and internet connection.
644-2.02 Field Laboratory. Supply laboratory through one week after project completion.
644-2.06 Nuclear Testing Equipment Storage Shed. Adds requirements for an on-site nuclear testing equipment storage shed.

- 644-2.07 Storage Container. Adds requirements for a storage container for shipping lab equipment, and that may be used as an on-site laboratory.
- 644-3.01 Method of Measurement. Adds two new items to measure.
- 644-4.01 Basis of Payment. Adds pay items for Nuclear Testing Equipment Storage Shed and the Storage Container. Defines how lump sum items will be paid.
- E 45 701-2.01 Portland Cement. Add ASTM C 150.
- E 46 712-2.06 Gray Iron Casting. Add AASHTO M 306.
- E 47 719-2.02 Add AASHTO M 306 and change AASHTO M 105 to Class 35B.
- E 48 743 Fuel Tank. New specification for steel double wall fuel tanks.

The new special provisions are:

- ES 15 401-5.02 Asphalt Material Price Adjustment. Establishes a price adjustment for quantities of asphalt material over 500 tons, and when the Asphalt Price Index changes more than 7.5% from date of bid.

The following specifications are deleted:

- E 25 608 Detectable Warnings. Replaced by E 40.

Attachments

Distribution:

- Mark O'Brien, Chief Contracts Officer, Office of the Commissioner, MS 2500
- Mark Neidhold, P.E., Chief Design & Construction Standards, MS 2500
- Mike San Angelo, P.E., Statewide Materials Engineer, MS 2538
- ✓ James Green, P.E., Standard Specifications Engineer, MS 2500
- Jack Beedle, P.E., Southeast Region Preconstruction Engineer, MS 2506
- Dave Bloom, P.E., Northern Region Preconstruction Engineer, MS 2550
- Rob Campbell, P.E., Central Region Preconstruction Engineer, MS 2525
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- Bob Saviers, Southeast Region Contracts Chief, MS 2506
- Sharon Smith, P.E., Central Region Contracts Engineer, MS 2525
- David Miller, Division Administrator, Federal Highway Administration, Juneau Office