

## Comments from Industry Review of 7810000

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**Bob Dion**

File: 7810000 Intelligent Transportation Systems – Motorist Information Systems  
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### Comments:

781-1.3, first paragraph. Suggest deleting this and adding, “Meet the requirements of 700-2.4.” It requires that shop drawings be submitted in accordance with Section 5; you don’t have to repeat it.

783-1; The Subarticle numbering skips 781-1.4, Please renumber to include it.

781-1.5, 1st paragraph, Who decides what ‘sufficient documentation’ is required? Suggest deleting ‘sufficient’, isn’t this what is specified in the following paragraphs? If so, suggest beginning the paragraph ‘Provide documentation, as noted below, reflecting the as-built conditions necessary to facilitate-----’. If not, spell out what is required.

2nd paragraph; Indicate what size paper you want the 2 paper copies and the operational manual on. Is it 8 ½” x 11”?. Should it be in a binder? What size paper do you want the as-built plans on?

Also suggest rewording the 2nd sentence to specify what format for the documentation and the plans in. Do you want a ‘3.5” disk or CD ROM’? Suggest also mentioning ‘Electronic submittals shall utilize the latest version of Microsoft Word, MicroStation CADD Software, and Microsoft Excel that is compatible with Department’s software at the time of notice to proceed (NTP).’

Last paragraph; is the ‘final documentation’ different than the documentation in the previous paragraphs? If it the same, suggest deleting ‘final’.

Suggest splitting the last sentence into 2 sentences. The last one similar to ‘Submit the documentation to the Engineer within (... ) days of the successful completion of the Operational Testing’.

781-3 Guaranty Provisions: A Warranty/Maintenance bond is needed, see 611-5.1 in the spec book and/or 580-5 of the Supplemental Specifications, as examples for one. The Contractor is released from responsibility after the Department has accepted the work. Is it your intent to extend the construction time to include the 1 year warranty? If so, this should be addressed in section 8 of the special provisions, not here.

Can the reference to DMS and TAR be combined into 1 paragraph?

Suggest mentioning that supplying the Contractor's 1 year warranty is precedent to final acceptance of all work under this Contract in accordance with 5-11.  
Last paragraph; should the reference to Section 611-5.2 be Article 611-5?

781-4.1 1. & 2, there isn't separate payment for the DMS sign and support structure. Suggest deleting these, add 'fully operational' and 'support structure' to the last paragraph after 'furnished and installed' (also suggest changing furnished and installed to 'completed and accepted), and add 'each' between 'per' and 'DMS'.

781-5; Suggest changing 'described herein' to 'as specified in this Section'. Wording this similar to that in 783-6.

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**Mark Burcham, DRMP, 11/27/05**

**Proposed Specification Revision of 7810000 Intelligent Transportation Systems –  
Motorist Information Systems Comments**

- 1) For 781-1.2.2 Sign Housing section, recommend inclusion of design criteria of 130 miles per hour basic wind speed for the DMS housing and its connection to the support members in accordance with the AASHTO Standard Specifications for Supports for Highway Signs, Luminaries and Traffic Signals, 4<sup>th</sup> Edition and applicable Interims.
- 2) For 781-1.2.5 Main Power Supply and Energy Distribution Specifications section, recommend revision to one 60-amp, two-pole (i.e. common trip) main circuit breaker for the sign and its controller since majority of DMS vendors require 40 amps for the sign, itself.
- 3) For 781-1.2.9 Control Cabinet Specification section, suggest inclusion for all ground-mounted cabinets of fixed distance criteria of 300' in advance of sign face for statewide uniformity and maintenance.
- 4) For 781-2 Traveler Advisory Radio, suggest renaming to "Highway Advisory Radio (HAR) since it is most commonly used in the industry.