



<p>SUPERSEDED BY EI 97-010 EFFECTIVE 4/4/97</p>		<p><i>New York State Department of Transportation</i> ENGINEERING INSTRUCTION</p>	<p>EI 96-049</p>
<p>Title: QUANTITY ADJUSTMENT FACTOR PHASE-IN-RATE TABLE REVISION FOR QUALITY CONTROL HOT MIX ASPHALT PRODUCTION</p>			
<p>Distribution:</p> <p><input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33)</p> <p><input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34)</p> <p><input type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Contractors/AGC (39)</p> <p><input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ()</p>		<p>Approved:</p> <p> P. J. Clark, Deputy Chief Engineer, Design Division</p> <p style="text-align: right;">12/12/96 Date</p>	

This Engineering Instruction partially supersedes EI 96-025.

EFFECTIVE DATE: This Engineering Instruction becomes effective for all Department contracts that have hot mix asphalt production on or after January 2, 1997.

PURPOSE: The purpose of this Engineering Instruction is to replace the Quantity Adjustment Factor Conversion Table incorporated in specification § 402 - Quality Control Asphalt Concrete - General, issued under EI 96-025.

BACKGROUND: Engineering Instruction 96-025 issued April 12, 1996, introduced a new section for the Standard Specifications of January 2, 1990 and January 2, 1995(Metric). This new section, titled "402 - Quality Control Asphalt Concrete-General", is a performance-related specification that predicts performance by identifying fundamental engineering properties. The specification also includes payment schedules with positive and negative adjustments. Beginning with the May 23, 1996 letting, all Department contracts included this specification. Due to the complexity of this specification, the implementation was to be phased in over a four year period. The 1996 phase in year allowed the hot mix asphalt Manufacturer to produce hot mix asphalt without adjustments. This non-adjustment production year allowed the hot mix asphalt Manufacturer an opportunity to become familiar with this specification and become proficient with the testing and the process control requirements. The non-adjustment year also allowed the Department an opportunity to evaluate this new production system. Few plants operated under the new specification in the 1996 construction season and this led us to conclude that both the industry and the Department were unprepared for payment adjustments. Therefore, the 1997 construction season will be changed to a non-adjustment year to allow a longer adjustment period.

TRANSMITTED MATERIAL: The attached specification page 2 of 15 contains the revised phase-in-rate table titled "Quantity Adjustment Factor Conversion Table" and replaces both English and metric page 2 of 15 issued in EI 96-025.

COST IMPACT: The implementation of this revision should have little or no effect on the cost of hot mix asphalt production during the 1997 construction season. The 1996 production resulted in no cost increase.

MAIN OFFICE ACTION: The Design Quality Assurance Bureau will insert the revised page with the new 1997 phase-in-rate table into all appropriate Department contracts as soon as possible.

CONSTRUCTION ACTION: Engineers-in-charge of ongoing contracts that have a May 23, 1996 or later letting date shall notify the Contractor of this specification revision. As previously allowed, the Contractor still has the option to select any later calendar year phase-in-rate outlined in the Quantity Adjustment Factor Conversion Table. If necessary, orders-on-contract may be issued to account for any quantity adjustment.

CONTACT PERSON: Questions pertaining to this EI or the specification should be directed to Gary Frederick or Dave Whiteley of the Materials Bureau, Field Engineering II Section at (518) 457-4582.

QUALITY CONTROL ASPHALT CONCRETE PRODUCTION

ATTENTION

The Contractor is advised that this Contract Proposal contains a specification, Section 402 Quality Control Asphalt Concrete - General, which is a Quality Control performance-related specification by which the contractor, through the hot mix asphalt manufacturer, is responsible for all Quality Control activities relating to the production of hot mix asphalt. The hot mix asphalt manufacturer is required to perform and document all Quality Control sampling and testing activities in accordance with procedures outlined by the Department. These procedures are available through the Regional Materials Section or the Central Office Materials Bureau.

The contractor shall also be aware this specification contains Quantity Adjustment Factors for all hot mix asphalt pay items. The Quantity Adjustment Factors in the Quantity Adjustment Factor Conversion Table below apply for the calendar year in which hot mix asphalt is produced and placed. In addition, the contractor has the option to select any later calendar year phase-in-rate shown below providing the contractor notifies the Department in writing of the selected phase-in-rate option intended for that calendar year. The contractor shall submit such written notice to the project Engineer-in-Charge at least one week prior to each calendar year's initial production. If the Contractor does not notify the Engineer-in-Charge, the phase-in-rate corresponding to the calendar year will be used. Changing phase-in-rate options during the calendar will not be permitted.

Calendar Year	Phase-in-Rate	Option
1997	0%	25%, 50% or 100%
1998	25%	50% or 100%
1999	50%	100%
2000	100%	None

The Quantity Adjustment Factors listed in Section 402, Tables 402-3 thru 402-6, shall be changed accordingly depending on the option selected. However, all Quantity Adjustment Factors listed in Section 402 that are used for process control and acceptance shall not be changed and shall be referenced to the original specified factors.

Quantity Adjustment Factor Conversion Table

Quantity Adjustment Factors				
Specified in Tables 402-3 thru 402-6	Calendar Year			
	1997	1998	1999	2000
100%	0%	25%	50%	100%
1.04	1.00	1.01	1.02	1.04
1.02	1.00	1.005	1.01	1.02
1.00	1.00	1.00	1.00	1.00
0.98	1.00	0.995	0.99	0.98
0.96	1.00	0.99	0.98	0.96
0.94	1.00	0.985	0.97	0.94
0.92	1.00	0.98	0.96	0.92
0.90	1.00	0.975	0.95	0.90
0.85 ¹	1.00 ¹	0.96 ¹	0.925 ¹	0.85 ¹

Note: 1. Refer to §402-4, Method of Measurement.