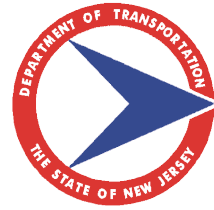


New Jersey Department of Transportation

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600

Baseline Document Change Announcement



REVISED - Materials Transfer Vehicle (MTV)

BDC03S-18

December 04, 2003

SUBJECT: Revision to Subsections 404.07, 404.26, and 406.19 of the 2001 Standard Inputs both English and Metric Units

REFERENCE: BDC03S-11 entitled "Materials Transfer Vehicle (MTV)" dated April 29, 2003

The recently issued BDC Announcement, as referenced, Subsections 404.07, 404.26, and 406.19 has been revised to require the overweight permit for MTV to be obtained during the design process. The industry (NJAPA and AGC of NJ) has also requested this change to ensure fair bidding practices.

The following revisions have been incorporated in the English Unit *Standard Input SI2001E1* dated December 04, 2003.

404.07 Materials Transfer Vehicle (MTV).

THE ENTIRE TEXT IS CHANGED TO:

The MTV shall independently deliver mixtures from the hauling equipment to the paving equipment. A paver hopper insert with a minimum capacity of 14 tons shall be installed in the hopper of conventional paving equipment when an MTV is used.

As a minimum, the MTV shall have a high capacity truck unloading system which will receive mixtures from the hauling equipment; a storage system in the MTV with a minimum capacity of 15 tons of mixture; and a discharge conveyor, with the ability to swivel, to deliver the mixture to the paving spreader while allowing the MTV to operate from an adjacent lane. In addition, the paving operation must contain a remixing system to continuously blend the mixture prior to placement. The remixing may be done by the MTV or in the paver hopper.

Use of MTV may not be necessary on all projects. Refer to the Special Provisions to determine if its use is either mandatory or optional.

SURFACE AND INTERMEDIATE COURSES

IF THERE ARE ANY STRUCTURES ON THE PROJECT THAT THE MTV WILL TRAVERSE, THE DESIGNER WILL REQUEST AN OVERWEIGHT PERMIT CHECK NO LESS THAN 30 DAYS PRIOR TO THE FINAL DESIGN SUBMISSION FROM THE NJDOT STRUCTURAL EVALUATION UNIT. SUCH REQUEST, INCLUDING THE WORST CASE AXLE CONFIGURATION AND WEIGHTS FOR FULLY LOADED AND EMPTY MTV, AND THE PROJECT LIMITS, SHALL BE MADE IN WRITING AND FAXED TO (609) 530-4444. UPON RECEIVING A RESPONSE FROM THE DEPARTMENT, THE DESIGNER SHALL LIST ONLY THOSE STRUCTURES THAT ARE ALLOWED TO BE TRAVERSED BY MTV IN THE SPACE PROVIDED BELOW.

THE DESIGNER SHALL SPECIFY THE USE OF A MATERIALS TRANSFER VEHICLE (MTV) FOR SURFACE AND INTERMEDIATE COURSES WHEN THE FOLLOWING CONDITIONS ARE SATISFIED:

- THE LENGTH OF CONTINUOUS THROUGH TRAVEL LANE CONSTRUCTION IS MORE THAN 5,000 FEET.
- THERE ARE NO OVERHEAD OBSTRUCTIONS WITHIN 12 FEET ABOVE THE FINISH GRADE OF PAVEMENT SURFACE THAT WOULD PREVENT PASSAGE OF THE MTV.
- THE LANE WIDTHS ARE GREATER THAN 11 FEET.
- THERE ARE NO PRECLUDED STRUCTURES OR THERE IS A MINIMUM OF 5,000 FEET BETWEEN PRECLUDED STRUCTURES.

BASE COURSE

WHEN THE USE OF AN MTV HAS BEEN SPECIFIED FOR THE SURFACE AND INTERMEDIATE COURSES, THE DESIGNER SHALL SPECIFY THE USE OF A MTV FOR THE BASE COURSE WHEN THE FOLLOWING CONDITIONS ARE SATISFIED:

- STAGING OF BASE CONSTRUCTION WILL NOT PRECLUDE THE PAVING OF CONTINUOUS LENGTHS OF MORE THAN 2,500 FEET OF BASE.
- THE NOMINAL MAXIMUM AGGREGATE SIZE OF THE BASE COURSE IS EITHER 25 MM OR 37.5 MM.
- THE SUBGRADE/BASE CONDITIONS WILL BE ADEQUATE TO SUPPORT THE LOADED MTV (APPROXIMATELY 122,000 POUNDS IN A TWO AXLE CONFIGURATION).

SELECT ONE OF THE FOLLOWING

(PROVIDE LIST OF STRUCTURES THAT MAY BE TRAVERSED BY MTV AS DETERMINED BY THE NJDOT STRUCTURAL EVALUATION UNIT)

A materials transfer vehicle (MTV) is required for the construction of the pavement surface course in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO:

NAME:

*****OR*****

A materials transfer vehicle (MTV) is required for the construction of the pavement surface course and intermediate course in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

Structure No: Name:

*****OR*****

A materials transfer vehicle (MTV) is required for the construction of all pavement courses in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO: NAME:

*****OR*****

A materials transfer vehicle (MTV) is optional for the construction of the pavement. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO: NAME:

404.26 Basis of Payment.

THE LAST PARAGRAPH IS CHANGED TO:

Separate payment will not be made for MTV, test strips, and quality control for compaction, including comparison cores, and nuclear density testing. All costs thereof shall be included in the prices bid for Hot Mix Asphalt Surface Course ____, Hot Mix Asphalt Intermediate Course ____, and Hot Mix Asphalt Base Course ____.

406.19 Basis of Payment.

THE LAST PARAGRAPH IS CHANGED TO:

Separate payment will not be made for MTV, test strips, and quality control for compaction, including comparison cores, and nuclear density testing. All costs thereof shall be included in the prices bid for Superpave Hot Mix Asphalt __ __ __ Surface Course, Superpave Hot Mix Asphalt __ __ __ Intermediate Course, and Superpave Hot Mix Asphalt __ __ __ Base Course.

The following revisions have been incorporated in the Metric Unit *Standard Input SI2001M1* dated December 04, 2003.

404.07 Materials Transfer Vehicle (MTV).

THE ENTIRE TEXT IS CHANGED TO:

The MTV shall independently deliver mixtures from the hauling equipment to the paving equipment. A paver hopper insert with a minimum capacity of 12.7 megagrams shall be installed in the hopper of conventional paving equipment when an MTV is used.

As a minimum, the MTV shall have a high capacity truck unloading system which will receive mixtures from the hauling equipment; a storage system in the MTV with a minimum capacity of 13.6 megagrams of mixture; and a discharge conveyor, with the ability to swivel, to deliver the mixture to the paving spreader while allowing the MTV to operate from an adjacent lane. In addition, the paving operation must contain a remixing system to continuously blend the mixture prior to placement. The remixing may be done by the MTV or in the paver hopper.

Use of MTV may not be necessary on all projects. Refer to the Special Provisions to determine if its use is either mandatory or optional.

SURFACE AND INTERMEDIATE COURSES

IF THERE ARE ANY STRUCTURES ON THE PROJECT THAT THE MTV WILL TRAVERSE, THE DESIGNER WILL REQUEST AN OVERWEIGHT PERMIT CHECK NO LESS THAN 30 DAYS PRIOR TO THE FINAL DESIGN SUBMISSION FROM THE NJDOT STRUCTURAL EVALUATION UNIT. SUCH REQUEST, INCLUDING THE WORST CASE AXLE CONFIGURATION AND WEIGHTS FOR FULLY LOADED AND EMPTY MTV, AND THE PROJECT LIMITS, SHALL BE MADE IN WRITING AND FAXED TO (609) 530-4444. UPON RECEIVING A RESPONSE FROM THE DEPARTMENT, THE DESIGNER SHALL LIST ONLY THOSE STRUCTURES THAT ARE ALLOWED TO BE TRAVERSED BY MTV IN THE SPACE PROVIDED BELOW.

THE DESIGNER SHALL SPECIFY THE USE OF A MATERIALS TRANSFER VEHICLE (MTV) FOR SURFACE AND INTERMEDIATE COURSES WHEN THE FOLLOWING CONDITIONS ARE SATISFIED:

- THE LENGTH OF CONTINUOUS THROUGH TRAVEL LANE CONSTRUCTION IS MORE THAN 1525 METERS.
- THERE ARE NO OVERHEAD OBSTRUCTIONS WITHIN 3.7 METERS ABOVE THE FINISH GRADE OF PAVEMENT SURFACE THAT WOULD PREVENT PASSAGE OF THE MTV.
- THE LANE WIDTHS ARE GREATER THAN 3.5 METERS.
- THERE ARE NO PRECLUDED STRUCTURES OR THERE IS A MINIMUM OF 1525 METERS BETWEEN PRECLUDED STRUCTURES.

BASE COURSE

WHEN THE USE OF AN MTV HAS BEEN SPECIFIED FOR THE SURFACE AND INTERMEDIATE COURSES, THE DESIGNER SHALL SPECIFY THE USE OF A MTV FOR THE BASE COURSE WHEN THE FOLLOWING CONDITIONS ARE SATISFIED:

- STAGING OF BASE COURSE CONSTRUCTION WILL NOT PRECLUDE THE PAVING OF CONTINUOUS LENGTHS OF MORE THAN 760 METERS OF BASE.
- THE NOMINAL MAXIMUM AGGREGATE SIZE OF THE BASE COURSE IS EITHER 25 MM OR 37.5 MM.
- THE SUBGRADE/BASE CONDITIONS WILL BE ADEQUATE TO SUPPORT THE LOADED MTV (APPROXIMATELY 55.3 MEGAGRAMS IN A TWO AXLE CONFIGURATION).

SELECT ONE OF THE FOLLOWING

(PROVIDE LIST OF STRUCTURES THAT MAY BE TRAVERSED BY MTV AS DETERMINED BY THE NJDOT STRUCTURAL EVALUATION UNIT)

A materials transfer vehicle (MTV) is required for the construction of the pavement surface course in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO:

NAME:

*****OR*****

A materials transfer vehicle (MTV) is required for the construction of the pavement surface course and intermediate course in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO: NAME:

*****OR*****

A materials transfer vehicle (MTV) is required for the construction of all pavement courses in the Traveled Way. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO: NAME:

*****OR*****

A materials transfer vehicle (MTV) is optional for the construction of the pavement. The following structure(s) may be traversed by a loaded MTV:

LIST STRUCTURE(S)

STRUCTURE NO: NAME:

404.26 Basis of Payment.

THE LAST PARAGRAPH IS CHANGED TO:

Separate payment will not be made for MTV, test strips, and quality control for compaction, including comparison cores, and nuclear density testing. All costs thereof shall be included in the prices bid for Hot Mix Asphalt Surface Course ____, Hot Mix Asphalt Intermediate Course ____, and Hot Mix Asphalt Base Course ____.

406.19 Basis of Payment.

THE LAST PARAGRAPH IS CHANGED TO:

Separate payment will not be made for MTV, test strips, and quality control for compaction, including comparison cores, and nuclear density testing. All costs thereof shall be included in the prices bid for Superpave Hot Mix Asphalt ____ Surface Course, Superpave Hot Mix Asphalt ____ Intermediate Course, and Superpave Hot Mix Asphalt ____ Base Course.

The BDC announcement BDC03S-11 dated April 29, 2003 is hereby superseded.

Distribution and Announcement Access Information:

This announcement is being distributed electronically to our in-house staff and various public agencies based on our distribution list maintained by the Engineering Documents Unit (EDU).

Internet access to this BDC Announcement can be downloaded and viewed from the following New Jersey Department of Transportation Web Page:

<http://www.state.nj.us/transportation/cpm/BaselineDocuments>

These revisions have been incorporated in the *Standard Inputs SI2001E1 and SI2001M1 Dated* December 04, 2003 from the following New Jersey Department of Transportation Web Page:
<http://www.state.nj.us/transportation/cpm/StandardInputs/standardinputs.htm>

Hard copies are available on a limited basis by contacting EDU at the following address:

Engineering Documents Unit
E&O Building, 1st Floor
1035 Parkway Avenue, PO Box 600
Trenton, New Jersey 08625-0600
Phone: (609) 530-5587
Fax: (609) 530-6626

Implementation Code R (ROUTINE):

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

Recommended By:

ORIGINAL SIGNED

Brian Strizki
Director,
Quality Management Services

BJS:KS:HVP
BDC03S-18.doc

Approved By:

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