

MATERIAL TRANSFER VEHICLE (MTV)

**\*\*From Granville ER STP 013-4(40)**

**\*\*From Berlin STP 2935(1)**

**Berlin NH STP 2938(1)**

**Berlin NH STP 2947(1)**

- xx. DESCRIPTION. This work shall consist of furnishing and utilizing an approved Material Transfer Vehicle (MTV) in bituminous concrete paving operations.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 406 or 490, as applicable, of the Standard Specifications.

- xx. CONSTRUCTION REQUIREMENTS. An approved Material Transfer Vehicle (MTV) shall be used to transfer the bituminous material from the hauling equipment to the paver. The MTV shall operate independently from the paver and shall be a commercially manufactured unit specifically designed for the transfer of mix from the hauling equipment to the paver without depositing the mix on the roadway surface.

The MTV and/or separate hopper shall be designed such that the deposited mix is remixed prior to placement on the roadway. The minimum storage capacity of the MTV, not including any separate hopper, shall be 10.7 T (12 tons). The MTV shall be capable of "swinging" or "offsetting" the material transfer delivery system to side discharge into the paver. If the MTV and associated actions do not effectively eliminate mat segregation as determined by the Engineer, the Engineer may require a hopper insert with remixing capabilities or other measures.

When the MTV traverses a bridge that is not a buried structure, it shall be as near to empty as possible and shall not exceed 8 kph (5 mph) while on any structure. If the Contractor proposes moving the MTV over a bridge with more than a minimal amount of bituminous material in it, a proposal shall be submitted to and approved by the Structures Engineer prior to any mix being placed. Any submittal shall detail all wheel and axle loadings that will be placed on the bridge deck.

- xx. METHOD OF MEASUREMENT. The quantities of Special Provision (Material Transfer Vehicle) and Special Provision (Material Transfer Vehicle, Cold Mix) to be measured for payment will be the number of metric tons (tons) of bituminous pavement transferred by the Vehicle to the paver in the completed and accepted work, as determined by the weigh slips.

- xx. BASIS OF PAYMENT. The accepted quantities of Special Provision (Material Transfer Vehicle) and Special Provision (Material Transfer Vehicle, Cold Mix) will be paid for at the Contract unit price per metric ton (ton). Payment will be full compensation for the equipment as specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.680 Special Provision (Material Transfer Vehicle)	Metric Ton (Ton)
900.680 Special Provision (Material Transfer Vehicle, Cold Mix)	Metric Ton (Ton)