

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

August 13, 2014

DESIGN BULLETIN No. 14-09

SUBJECT: DESIGN GUIDE FOR USE OF LATE SEASON TEMPORARY PAVEMENT MARKINGS AND CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS.

Late Season Temporary Pavement Markings

For projects with scheduled pavement markings being applied during late season, after October 15th and before April 15th, Late Season Temporary Pavement Markings shall be used as a contract bid pay item. These pavement markings shall be considered temporary and carry no warranty. The contractor will be paid for the initial placement at the contract unit price. Maintenance of these markings will be paid as specified in Article 109.04 of the Tollway Supplemental Specifications using a force account basis.

Contract Allowance for Cold Weather Pavement Markings

This Special Provision establishes a budgetary allowance for labor, equipment and materials necessary for the placement of temporary pavement markings by the Contractor, the scope of which cannot be determined at the time of submittal of the Proposal.

When Late Season Pavement Markings placement is directed by the Engineer and the placement is not effective in the field and cancelled by the Engineer this allowance will be used to compensate the Contractor for labor and equipment time spent warming the pavement marking, maintenance of traffic, equipment and mobilization. This special provision will not be allowed to compensate the Contractor when placement of material is determined to be effective.

This allowance is not intended for any production inefficiency due to temperatures; however it does provide a basis of payment for activities performed with no pavement marking placement, as approved by the Engineer.

This Special Provision also establishes a budgetary allowance for the maintenance of Late Season Temporary Pavement Markings. After initial placement, which is covered under Late Season Temporary Pavement Markings, the maintenance of Late Season Temporary Pavement Markings of the specified widths will be paid for on a force account basis, Payment for Extra Work as described in Article 109.04 of the Tollway Supplemental Specifications, including mobilization to account for the preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site as well as placement of the refreshed pavement markings.

For construction delays due to the Contractor

Pavement markings shall be placed prior to temperatures falling below 25°F, since there is currently no product and equipment that will allow pavement markings to be placed at this temperature. When air and surface temperatures fall below 25° F, no pavement markings shall be applied. If this cannot be avoided then the contractor shall work with the Engineer to ensure temporary pavement markings are in place. No additional compensation would be made. The contractor would be required to remove all temporary pavement markings and install the permanent pavement markings the following spring construction season when temperatures allow; or alternatively, the permanent pavement markings would be removed from the contract and moved to a new separate contract solely for purposes of completing the permanent pavement markings.

For construction delays per Tollway Supplemental Specifications Article 108.08.

During construction when late season/cold weather pavement marking is required due to acceptable delays per Article 108.08 (b), in which the time of completion has been extended by the Tollway, the placement, maintenance and removal shall be paid as extra work. In this scenario, the contract may be held open until the following spring to complete the permanent pavement marking or a separate contract will be used to complete this work. Payment for the application of these late season/cold weather pavement marking and the associated MOT will be via Force Account or agreed unit price.

Design Section Engineers (DSE) are hereby directed to utilize these special provisions immediately for all contracts currently under design.



Paul D. Kovacs, P.E.
Chief Engineer



Date

LATE SEASON TEMPORARY PAVEMENT MARKINGS (Tollway)

Effective: August 13, 2014

DESCRIPTION. This work shall consist of furnishing and applying temporary pavement marking during late season, after October 15th and before April 15th.

The Contractor shall be on the latest IDOT approved “Thermoplastic, Epoxy and Polyurea pavement Marking Contractors”.

When air or surface temperatures fall below 25° F, no work shall be performed and no pavement markings shall be applied.

MATERIALS. Materials shall be according to the following.

Item	Article
Epoxy Pavement Marking	1095.04
Polyurea Pavement Marking	1095.05

EQUIPMENT. Equipment shall be according to the following.

Item	Article
Epoxy	1105.02
Polyurea	1105.03

METHOD of MEASUREMENT. This work will be measured for payment in feet.

BASIS of PAYMENT. This work will be paid for at the contract unit prices per foot of applied line width, as specified. The unit prices include the cost of maintenance of traffic required for placement of pavement markings.

The replacement of Late Season Temporary Pavement Markings of the various line widths will be paid for on a force account basis in compliance with Article 109.04, Payment for Extra Work as described in the Tollway Supplemental Specifications.

Pay Item Number	Designation	Method Of Measurement
J1780300	LATE SEASON TEMPORARY PAVEMENT MARKINGS, 4" LINE	FOOT
J1780320	LATE SEASON TEMPORARY PAVEMENT MARKINGS, 8" LINE	FOOT

CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS (Tollway)

Effective: August 13, 2014

DESCRIPTION

This Special Provision establishes a budgetary allowance for work to equipment and operations necessary to be performed by the Contractor, the scope of which cannot be determined at the time of submittal of the Proposal.

When Late Season Pavement Markings placement is directed by the Engineer and the placement is not effective in the field and cancelled by the Engineer this allowance will be used to compensate the Contractor for labor and equipment time spent warming the pavement marking, maintenance of traffic, equipment and mobilization. This special provision will not be allowed to compensate the Contractor when placement of material is determined to be effective.

This allowance is not intended for any production inefficiency due to temperatures, however will provide a basis of payment only for activities performed with no pavement marking placement, as approved by the Engineer.

This Special Provision also establishes a budgetary allowance for the maintenance of Late Season Temporary Pavement Markings. After initial placement, which is covered under Late Season Pavement Markings, the maintenance of Late Season Temporary Pavement Markings of the various line widths will be paid for on a force account basis, Payment for Extra Work as described in the Tollway Supplemental Specifications, including mobilization to account for the preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site as well as placement of the refreshed pavement markings.

METHOD of MEASUREMENT

This work will not be measured for payment.

BASIS of PAYMENT

Payment for this work will be made as specified in Article 109.04 of the Tollway Supplemental Specifications using a force account basis. Payment for this work will not exceed the costs incurred by the Contractor and approved by the Engineer.

Pay Item Number	Designation	Method Of Measurement
JT154045	CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS	UNIT