

IMPLEMENTATION PROCESS

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification _____1020000SS_____.
Section/File number

New Specification _____.
Section number

Subject: Maintenance of Traffic – Method of Measurement

Origination date: August 9, 2005

Originator: David Sadler
Office/Phone: State Construction Office/414-5203
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Problem statement: Do away with the 5 day minimum payment for arrow panels and changeable (variable) message signs

Information source: David Sadler and David Chason

Background data: There has been a lot of misinterpretation of the spec concerning when to pay the five day minimum. The intent of the five day minimum was to help the contractor overcome mobilization costs and that cost will now have to be included in the unit price or LS MOT.

Desired implementation date: Beginning with the July 2006 letting



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

DATE: September 30, 2005

TO: Specification Review Distribution List

FROM: Duane F. Brautigam, P.E., State Specifications Engineer

SUBJECT: Proposed Specifications Change: 1021100 - Maintenance of Traffic-Method of Measurement

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Value Engineering Incentive.

This change was proposed by David Sadler of the State Construction Office to do away with the 5 day minimum payment for arrow panels and changeable variable message signs.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DB or duane.brautigam@dot.state.fl.us. Comments received after October 28, 2005 may not be considered. Your input is encouraged.

DFB/jf

Attachment

COMMENTS:

Submitted by:

Phone #:

MAINTENANCE OF TRAFFIC-METHOD OF MEASUREMENT.**(REV 9-20-05)**

ARTICLE 102-11 (of the Supplemental Specifications) is deleted and the following substituted:

102-11 Method of Measurement.

102-11.1 General: Devices installed/used on the project on any calendar day or portion thereof, within the allowable Contract Time, including time extensions which may be granted, will be paid for at the Contract unit price for the applicable pay item, except those paid for as Lump Sum.

102-11.2 Traffic Control Officers: The quantity to be paid for will be at the Contract unit price per hour (4 hour minimum) for the actual number of officers certified to be on the project site, including any law enforcement vehicle(s) and all other direct and indirect costs. Payment will be made only for those traffic control officers specified in the Plans and authorized by the Engineer.

102-11.3 Special Detours: When a detour facility is specifically detailed in the plans, or is otherwise described or detailed as a special item, and an item for separate payment is included in the proposal, the work of constructing, maintaining, and subsequently removing such detour facilities will be paid for separately. Traffic control devices, warning devices, barriers, signing, and pavement markings for Special Detours will also be paid for separately.

When the plans show more than one detour, each detour will be paid for separately, at the Contract lump sum price for each.

Where a separate item for a specific detour facility is included in the proposal, payment will be made under Special Detour.

102-11.4 Commercial Material for Driveway Maintenance: The quantity to be paid for will be the certified volume, in cubic yards [cubic meters], of all materials authorized by the Engineer, acceptably placed and maintained for driveway maintenance. The volume, which is authorized to be reused, and which is acceptably salvaged, placed, and maintained in other designated driveways will be included again for payment.

102-11.5 Work Zone Signs: The number of signs (Temporary Regulatory, Warning and Guide) certified as installed/used on the project will be paid for at the Contract unit price for Work Zone Signs. When multiple signs are located on single or multiple post(s), each sign panel will be paid individually. Signs $>20 \text{ ft}^2$ [$>1.9 \text{ m}^2$] and detailed in the plans will be paid for under Lump Sum MOT.

Portable signs (excluding Mesh signs and signs mounted with <1 foot [<0.3 m] ground clearance) and Vehicular Mounted Signs will be included for payment under work zone signs, only if used in accordance with the Design Standards.

102-11.6. Business Signs: The number of business signs certified as installed/used on the project will be paid for at the Contract unit price for Business Signs.

102-11.7 High Intensity Flashing Lights: The number of high intensity flashing lights (Type B) certified as installed/used on the project will be paid for at the Contract unit price for High Intensity Flashing Lights (Temporary - Type B).

102-11.8 Warning/Channelizing Devices: The number of Type I, Type II, Type III, Vertical Panel and Drum Warning Devices certified as installed/used on the

project meeting the requirements of Design Standards, Index No. 600 and have been properly maintained will be paid for at the Contract unit prices for Barricade (Temporary).

102-11.9 Barrier Wall (Temporary): The Contract unit price for Barrier Wall (Temporary) will be full compensation for furnishing, installing, maintaining, and removing the barrier wall. When called for, the Contract unit price for Barrier Wall (Temporary/Relocate) will be full compensation for relocating the barrier. The certified quantity to be paid for will be determined by the number of sections times the nominal length of each section.

102-11.10 Lights, Temporary, Barrier Wall Mount: The number of Type C Steady Burn lights, mounted on barrier wall, certified as installed/used on the project, meeting the requirements of the Design Standards and have been properly maintained will be paid for at the Contract unit price for Lights Temporary, Barrier Wall Mount.

102-11.11 Glare Screen (Temporary): The *certified* quantity to be paid for will be determined by the number of sections times the nominal length of each section.

102-11.12 Temporary Vehicular Impact Attenuator:

102-11.12.1 Redirective: The quantity to be paid for will be the number of Temporary Vehicular Impact Attenuators (Redirective) certified as installed/used and maintained on the project, including object marker.

102-11.12.2 Inertia: The quantity to be paid for will be the number of Temporary Vehicular Impact Attenuators (Inertia) modules to form each attenuator and certified as installed/used and maintained in accordance with the plans and Design Standards, Index No. 417.

102-11.13 Temporary Guardrail: The quantity to be paid for will be the length, in feet [meters], of temporary guardrail constructed and certified as installed/used on the project. The length of a run of guardrail will be determined as a multiple of the nominal panel lengths.

102-11.14 Advance Warning Arrow Panel: The quantity to be paid ~~for~~ *at the contract unit price* will be *for* the number of advance warning arrow panels certified as installed/used on the project ~~(with a five day minimum/per each)~~ on any calendar day or portion thereof within the contract time. ~~The five day minimum will be paid for each panel mobilized and installed on the project, with days consecutively counted beginning on the day of first installation/use. The Engineer reserves the right to require the panel to remain on site and/or have it relocated on site at no additional cost during the full five day minimum period.~~

102-11.15 Changeable (Variable) Message Sign: The quantity to be paid ~~for~~ *at the contract unit price* will be *for* the number of changeable (variable) message signs certified as installed/used on the project ~~(with a five day minimum/per each)~~ on any calendar day or portion thereof within the contract time. ~~The five day minimum will be paid for each sign mobilized and installed on the project, with days consecutively counted beginning on the day of first installation/use. The Engineer reserves the right to require the sign to remain on site and/or have it relocated on site at no additional cost during the full five day minimum period.~~ Payment will be made for each Changeable (Variable) message sign ~~this~~ *that* is used during the period beginning fourteen working days before Contract Time begins as authorized by the Engineer.

102-11.16 Portable Highway Advisory Radio System: The quantity to be paid for will be the number of portable highway advisory radio system certified as installed/used on the project on any calendar day or portion thereof within the contract time, will be paid for the contract unit price for portable highway advisory radio system.

102-11.17 Portable Regulatory Signs: The quantity to be paid for will be the number of portable regulatory sign certified as installed/used on the project on any calendar day or portion thereof within the contract time, will be paid for the contract unit price for portable regulatory sign.

102-11.18 Radar Speed Display Unit: The quantity to be paid for will be the number of radar speed display units certified as installed/used on the project on any calendar day or portion thereof within the contract time, will be paid for the contract unit price for radar speed display unit.

102-11.19 Safety Warning Transmitter: The quantity to be paid for will be the number of safety warning transmitter certified as installed/used on the project on any calendar day or portion thereof within the contract time, will be paid for the contract unit price for safety warning transmitter.

102-11.20 Temporary Traffic Control Signals: The quantity of Temporary Traffic Control Signals to be paid for will be the number of completed installations (each signalized location) of portable traffic signals, or the number of fixed traffic signals in place and operating on the project, as authorized by the Engineer and certified as in place and in operation on the project.

102-11.21 Temporary Traffic Detection Technology: The quantity of Temporary Traffic Detection Technology to be paid for will be the number of completed and accepted intersections utilizing Temporary Traffic Detection Technology, authorized by the Engineer and certified as completed on the project. Compensation will begin the day Temporary Traffic Detection Technology is placed into operation and approved by the Engineer and will end the day the permanent detection is operational and approved by the Engineer.

102-11.22 Work Zone Pavement Markings: The quantities, furnished and installed, to be paid for will be the length of skip and solid pavement markings, and the area of pavement markings placed as follows:

(a) The total transverse distance, in feet [meters], of skip pavement marking authorized and acceptably applied. The length of actual applied line will depend on the skip ratio of the material used. Measurement will be the distance from the beginning of the first stripe to the end of the last stripe with proper deductions made for unpainted intervals as determined by plan dimensions or stations, subject to 9-1.3.

(b) The net length, in feet [meters], of solid pavement marking authorized and acceptably applied.

(c) The number of directional arrows or pavement messages authorized and acceptably applied.

(d) The number of WZRPM's authorized and acceptably applied.