

ORIGINATION FORM

Date: June 11, 2012

Originator: Stefanie Maxwell

Contact Information: Stefanie.Maxwell@dot.state.fl.us

Specification Title: Maintenance of Traffic

Specification Section, Article, or Subarticle Number: 102-7, 102-9.3, 102-9.6, 102-9.17, 102-11.12.2, 102-11.21, 102-11.22, 102-13.12, 102-13.22, 102-13.23

Why does the existing language need to be changed? 1. In the past it was up to the designer when to require the traffic control officer for Index 619; 2. Duplicate language for business signs was in the Design Standards; 3. Inertia crash cushions (a type of gating crash cushion) are no longer allowed but other gating types offer solutions; 4. In the past, the temporary lane separator was paid for under LS MOT. It is has been used in other projects temporarily closing a median opening or turn lane, but no pay item existed; 5. Other temporary traffic control devices are paid on a per day basis.

Summary of the changes: 1. Require the use of a traffic control officer when using Index 619 (moving operation) on freeway facilities at nighttime; 2. Delete duplicate language concerning business signs; 3. Allow both redirective and gating crash cushions; 4. Add temporary lane separator pay item; 5. Change payment of temporary raised rumble strips to per set per day.

Are these changes applicable to all Department jobs? Yes

Will these changes result in an increase or decrease in project costs? No substantial change in cost.

With who have you discussed these changes? Stefanie Maxwell, Ezzeldin Benghuzzi, Chester Henson, Fred Heery, Paul Gentry, Barry Smith, Andy Harper

What other offices will be impacted by these changes? None

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: June 21, 2012

TO: Specification Review Distribution List

FROM: V. Y. “Trey” Tillander, III, State Specifications Engineer

SUBJECT: Proposed Specification: **1020700 Maintenance of Traffic.**

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

This change was proposed by Stefanie Maxwell of the State Construction Office to update the language for current Department practice.

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 SP965TT or trey.tillander@dot.state.fl.us. Comments received after **July 23, 2012**, may not be considered. Your input is encouraged.

TT/dt
Attachment

MAINTENANCE OF TRAFFIC.
(REV 6-12-12)

ARTICLE 102-7 (of the Supplemental Specifications) is deleted and the following substituted:

102-7 Traffic Control Officer.

Provide uniformed law enforcement officers, including marked law enforcement vehicles, to assist in controlling and directing traffic in the work zone when the following types of work is necessary on projects:

1. Directing traffic/overriding the signal in a signalized intersection.
2. When *Design Standards*, Index No. 619 is used on *freeway facilities* (~~Interstates, toll roads, and expressways~~) ~~roadways~~ at nighttime *for work within the travel lane.* ~~and called for in the plans.~~
3. When *Design Standards*, Index No. 655 Traffic Pacing for overhead work is called for in the ~~p~~*P*Plans or approved by the Engineer.
4. When pulling conductor/cable above an open traffic lane on limited access facilities, when called for in the ~~p~~*P*Plans or approved by the Engineer.

SUBARTICLE 102-9.3 (of the Supplemental Specifications) is deleted and the following substituted:

102-9.3 Business Signs: Provide and place signs in accordance with the ~~p~~*P*Plans and Design Standards, *Index No. 600*. Furnish signs having retroreflective sheeting meeting the requirements of Section 990.

~~Use signs with specific business names on each sign. Install logos provided by business owners and approved by the Engineer. Standard Business entrance signs meeting the requirements of Index 17355 without specific business names may be used only with the approval of the Engineer.~~

SUBARTICLE 102-9.6 (of the Supplemental Specifications) is deleted and the following substituted:

102-9.6 Temporary Crash Cushion (Redirective/*InertiaGating*): Furnish, install, maintain and subsequently remove temporary crash cushions in accordance with the details and notes shown in the ~~p~~*P*Plans, the Design Standards, and requirements of the pre-approved alternatives listed on the QPL. Maintain the crash cushions until their authorized removal. Repair all attachment scars to permanent structures and pavements after crash cushion removal. Make necessary repairs due to defective material, work, or Contractor operations at no cost to the Department. Restore crash cushions damaged by the traveling public within 24 hours after notification as authorized by the Engineer.

ARTICLE 102-9 (of the Supplemental Specifications) is expanded by the following:

102-9.17 Temporary Lane Separator: *Furnish, install, maintain, remove and relocate temporary lane separator in accordance with the Plans and Design Standards, Index No 600. The portable temporary lane separator shall be anchored to the roadway with a removable anchor bolt.*

SUBARTICLE 102-11.12.2 (of the Supplemental Specifications) is deleted and the following substituted:

102-11.12.2 InertiaGating: The quantity to be paid for will be the number of Temporary Crash Cushions (**InertiaGating**) ~~complete arrays~~ certified as installed/used and maintained ~~in accordance with the plans and Design Standards, Index No. 417~~ *on the project, including object marker.*

SUBARTICLE 102-11.21 (of the Supplemental Specifications) is deleted and the following substituted:

102-11.21 Temporary Raised Rumble Strips: ~~The quantity of temporary raised rumble strip sets to be paid for will be the number of temporary raised rumble strip sets installed and accepted.~~ *The quantity to be paid for will be the number of temporary raised rumble strip sets certified as installed/used on the project on any calendar day or portion thereof within the contract time.*

ARTICLE 102-11 (of the Supplemental Specifications) is expanded by the following:

102-11.22 Temporary Lane Separator: *The quantity of temporary lane separator to be paid for will be plan quantity, in feet, completed and accepted.*

SUBARTICLE 102-13.12 (of the Supplemental Specifications) is deleted and the following substituted:

102-13.12 Temporary Crash Cushion (*Redirective/Gating*):

~~102-13.12.1 Redirective:~~ Price and payment will be full compensation for furnishing, installing, maintaining and subsequently removing such crash cushions. Payment for restoring damaged crash cushions will be the manufacturer's/distributor's invoice price for the new materials/parts plus 20% markup. The 20% markup is compensation for all necessary work including; but not limited to, labor, equipment, supplies and profit, as authorized by the Engineer. Additional MOT required for the repair of the crash cushion will be paid for under the appropriate MOT pay item.

~~102-13.12.2 Inertia:~~ Price and payment for the number of complete arrays will be full compensation for furnishing, installing, maintenance and removal at each specified location.

~~In addition, payment will be made for new modules replaced due to damages, excluding damage caused by the Contractor's operations.~~

ARTICLE 102-13.22 (of the Supplemental Specifications) is deleted and replaced by the following:

102-13.22 Temporary Lane Separator: Price and payment will be full compensation for all work specified in this Section.

102-13.23~~2~~ Payment Items: Payment will be made under:

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|---------------------------------|---|
| Item No. 102- 1- | Maintenance of Traffic - lump sum. |
| Item No. 102- 2- | Special Detour - lump sum. |
| Item No. 102- 3- | Commercial Material for Driveway Maintenance - per cubic yard. |
| Item No. 102- 14- | Traffic Control Officer - per hour. |
| Item No. 102- 60- | Work Zone Sign - per each per day. |
| Item No. 102- 61- | Business Sign - each. |
| Item No. 102- 71- | Barrier Wall - per foot. |
| <i>Item No. 102- 75-</i> | <i>Temporary Lane Separator – per foot</i> |
| Item No. 102- 94- | Glare Screen - per foot. |
| Item No. 102- 73- | Guardrail (Temporary) - per foot. |
| Item No. 102- 74- | Barricade (Temporary) - per each per day. |
| Item No. 102- 76- | Arrow Board - per each per day. |
| Item No. 102- 77- | High Intensity Flashing Lights (Temporary - Type B) - per each per day. |
| Item No. 102- 78- | Temporary Retroreflective Pavement Markers - each. |
| Item No. 102- 79- | Lights, Temporary, Barrier Wall Mount - per each per day. |
| Item No. 102- 81- | Crash Cushion (Gating) (Temporary) – per location. |
| Item No. 102- 89- | Crash Cushion (<i>Redirective</i>) (Temporary) - per location. |
| Item No. 102- 99- | Portable Changeable Message Sign (Temporary) - per each per day. |
| Item No. 102-104- | Temporary Signalization and Maintenance - per intersection per day. |
| Item No. 102-107- | Temporary Traffic Detection and Maintenance - per intersection per day. |
| Item No. 102-150- | Portable Regulatory Sign - per each per day. |
| Item No. 102-150- | Radar Speed Display Unit - per each per day. |
| Item No. 102-910- | Temporary Raised Rumble Strip Set – per set <i>per day</i> |
| Item No. 102-911- | Removable Tape (White/Black) - per foot. |
| Item No. 102-912- | Removable Tape (Yellow) - per foot. |
| Item No. 710- | Painted Pavement Markings. |
| Item No. 711- | Thermoplastic Traffic Stripes and Markings. |