

Tip #: I-4407
DATE: 4-20-2010
Revised Date:

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TRANSFER AND TRANSPORT VEHICLE FOR MOVABLE CONCRETE BARRIER

DESCRIPTION.

Furnish, maintain and operate a Transfer And Transport Vehicle For Movable Concrete Barrier (MCB) in accordance with the plans and specifications.

MATERIALS.

Provide Transfer and Transport Vehicle which is compatible with movable concrete barrier (MCB) utilized on the project.

CONSTRUCTION METHODS.

Provide Transfer and Transport Vehicle which is able to pick up and move continuous lengths of movable concrete barrier across the roadway in accordance with manufacturer specifications.

METHOD OF MEASUREMENT.

The quantity of Transfer and Transport Vehicles to be paid for will be the actual number of vehicles used on the project.

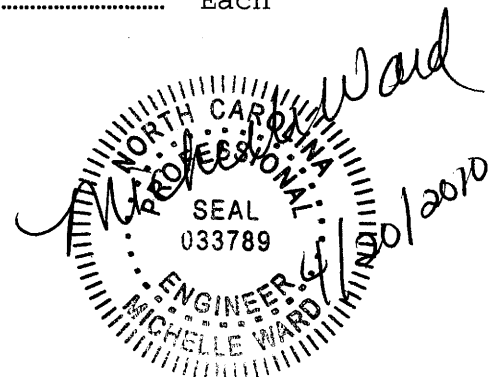
BASIS OF PAYMENT.

The quantity of Transfer And Transport Vehicles, measured as provided above, will be paid for at the contract unit price per each "Transfer and Transport Vehicle for Movable Concrete Barrier" on the following schedule:

- 70% of the unit bid price upon placing the unit in service.
- 20% of the unit bid price when the project is 50% complete.
- 10% of the unit bid price when the project is 100% complete.

Payment will be made under:

Transfer and Transport Vehicle for
Movable Concrete Barrier Each



Law Enforcement:

2-19-09

SPI

Description

Furnish Law Enforcement Officers and marked Law Enforcement vehicles to direct traffic in accordance with the contract.

Construction Methods

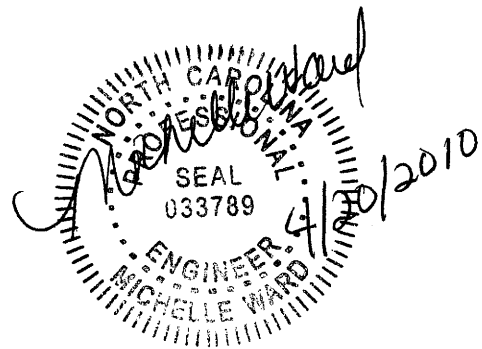
Use uniformed Law Enforcement Officers and marked Law Enforcement vehicles equipped with blue lights mounted on top of the vehicle, and Law Enforcement vehicle emblems to direct or control traffic as required by the plans or by the Engineer.

Measurement and Payment

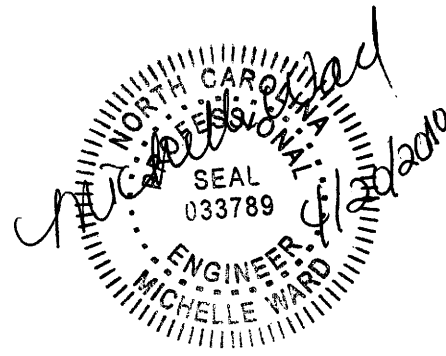
Law Enforcement will be measured and paid for in the actual number of hours that each Law Enforcement Officer is provided during the life of the project as approved by the Engineer. There will be no direct payment for marked Law Enforcement vehicles as they are considered incidental to the pay item.

Payment will be made under:

Pay Item	Pay Unit
Law Enforcement	Hour



MOVABLE CONCRETE BARRIER



DESCRIPTION

Furnish, install, secure, maintain, remove and reset Movable Concrete Barrier in accordance with the plans and specifications.

MATERIALS

(A) General:

Provide Movable Concrete Barrier that meets the requirements of Section 854 and Section 1077 of the 2006 Standard Specifications, and meets or exceeds the requirements of NCHRP 350 Test Level II for work zones which have a posted speed limit of 45 mph (72 km/h) or less; and/or meets or exceeds the requirements of NCHRP 350 Test Level III for work zones which have a posted speed limit of 50 mph (80 km/h) or greater.

(B) Material Qualifications

Use Movable Concrete Barrier which is on the North Carolina Department of Transportation's Approved Products List or is Traffic-qualified by the Traffic Control Section. For more information on the Traffic-qualification process, contact the Work Zone Traffic Control Section at Century Center Building B, 1020 Birch Ridge Drive, Raleigh, NC, 27610, (919)250-4159.

(C) Historical Performance

Historical performance of the Movable Concrete Barrier will be used in determining future use of the material by the NCDOT, even if the Movable Concrete Barrier has been traffic-qualified. Poor past or poor current performance of Movable Concrete Barrier at any site, whether or not related to a specific contract may be grounds for non-acceptance of a product on any project under contract.

CONSTRUCTION METHODS

(A) General:

Section 1105-3 of the 2006 Standard Specification applies to this special provision.

(B) Resetting Movable Concrete Barrier:

Reset Movable Concrete Barrier entails pin disconnection and longitudinal transfer of the movable concrete barrier.

(C) Stockpiling:

Stockpile Movable Concrete Barrier in accordance with Section 1170-3,(D) of the 2006 Standard Specifications.

(D) Barrier Delineators:

Furnish delineators for Movable Concrete Barrier which meet the requirements of Section 1088-2 and Section 1170-3,(E) of the 2006 Standard Specifications.

MAINTENANCE

Maintain Movable Concrete Barrier in accordance with Section 1105-4 of the 2006 Standard Specifications.

MEASUREMENT AND PAYMENT

Movable Concrete Barrier () will be measured and paid for as the actual number of linear feet that has been furnished, satisfactorily installed, accepted by the Engineer, maintained, and removed.

Reset Movable Concrete Barrier () will be measured and paid for as the number of linear feet of barrier that has been moved from one location on the project to another location on the project. No measurement or payment shall be made for lateral transfer of movable concrete barrier across roadway as such lateral transfers shall be considered incidental to the price paid for *Movable Concrete Barrier*. Where barrier units are moved more than once, each move will be measured separately. Whenever the Engineer directs the Contractor to move barrier units from an installed location to a stockpile either on or off the project and then back to another installed location, the complete move from the first installed location to the next installed location will be measured as 2 moves. There shall be no measurement or payment for barrier delineators as they are considered incidental to the price paid for *Movable Concrete Barrier*.

Payment will be made under:

Movable Concrete Barrier Linear Foot (Linear Meter)

Reset Movable Concrete BarrierLinear Foot (Linear Meter)