

858.06. BASIS OF PAYMENT.

Accepted railway-highway crossbuck signs, measured as provided above, will be paid for at the contract unit price as follows:

RAILWAY-HIGHWAY CROSSBUCK SIGNS. EACH

Such payment shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified.

SECTION 859 REMOVAL OF PAVEMENT MARKINGS

859.01. DESCRIPTION.

This work shall consist of the removal of traffic stripe or other pavement markings in accordance with these Specifications at the locations shown on the Plans or as designated by the Engineer.

859.03. EQUIPMENT.

Equipment used for this removal of the markings may be of any type that will not materially damage the surface or texture of the pavement material.

859.04. CONSTRUCTION METHODS.

Remove all pavement markings to the fullest extent possible without damage to pavement surface.

NOTE: Painting over or blotting out the existing pavement markings is not an acceptable method of removal and will not be considered for measurement as removal. When sand or other material is deposited on the pavement as a result of the removal operation, remove it as the work progresses. Where blast cleaning is used for the removal of the pavement markings and such removal operation is being performed within ten feet of a lane under use by the traveling public, immediately remove the residue, including dust, by a vacuum attachment operated concurrently with the blast cleaning operation or by other methods approved by the Engineer.

Repair any damage deemed appreciable by the Engineer at no additional expense and by methods acceptable to the Engineer.

NOTE: Nothing in these Specifications shall relieve the Contractor from public relations and responsibilities as set forth in Section 107.

859.05. METHOD OF MEASUREMENT.

Traffic stripe or *pavement marking removal* will be measured by the linear foot (meter) of 4 inch (100 mm) wide traffic stripe where a narrower or wider stripe is to be removed or by the each where an arrow, word, or symbol is to be removed.

859.06. BASIS OF PAYMENT.

Except where otherwise specified on the Plans, removal of pavement markings, measured as provided above, will be paid for at the contract unit price as follows:

- (A) PAVEMENT MARKING REMOVAL LINEAR FOOT (METER)
- (B) PAVEMENT MARKING REMOVAL EACH

Such payment shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified.

SECTION 870
SAND FILLED IMPACT ATTENUATION MODULES

870.01. DESCRIPTION.

This work shall consist of furnishing and placing sand filled impact attenuation modules in accordance with these Specifications and in reasonably close conformity with the design, line, grades, and dimensions shown on the Plans or established by the Engineer. A module as used in these Specifications is defined as one free standing, frangible unit within the impact attenuation system.

870.02. MATERIALS.

(a) **Module.**

1. *General.* Sand filled impact attenuation modules shall meet the current test requirements, procedures and results as prescribed in the latest “National Cooperative Highway Research Program” (NCHRP) report approved by the Federal Highway Administration (FHWA) and in accordance with ODOT Standard Drawings.

Each module shall consist of three basic components consisting of an outer container, an inner container system, and a lid. The module shall be made of high density thermoplastic materials as specified herein, designated and constructed to shatter under impact.

The module shall be designed to support a sand mass of 200, 400, 700, 1400 and 2100 pounds (90, 180, 320, 640, and 960 kg) as specified at a height to insure that the center of gravity of each module is at the proper elevation to control the attitude of impacting vehicles so as to prevent ramping.

Each module shall be specifically designed for proper distribution of the specified sand mass without spontaneous rupture of the outer container or collapse of the inner core.

The outer container, unless otherwise shown on the Plans, shall be yellow colored, conforming to the standard highway color code requirement of the Manual on Uniform Traffic Control Devices for Streets and Highways.

Modules furnished shall be one of the following types.

2. *Type A Module--Seamed Outer Container.* The outer container shall consist of two identical cylinder halves made of high density polypropylene with an ultraviolet stabilizer that is durable and weatherproof, each half having shear carrying tongue and groove joints and