REVISION OF SECTION 614

IMPACT ATTENUATOR (REACT)

Section 614 of the Standard Specifications is hereby revised for this project to include the following:

**DESCRIPTION**

This work consists of the furnishing and installing of REACT impact attenuators. This work shall be done in accordance with these specifications and in conformity with the lines and details shown on the plans or established.

**MATERIALS**

The impact attenuator shall be a REACT System, as distributed by Interwest Safety Supply, 195 S. Navajo, Denver, CO 80223, (303) 733-8447.

The design speed of this portion of the roadway is ♦ miles per hour.

The impact attenuator shall meet the following design parameters:

NCHRP Report 350 Test Level: TL ♪

Hazard Width: ▲ feet

Bi‑directional: ♥

Location: ♣

Object to be shielded: ♠

**CONSTRUCTION REQUIREMENTS**

The site shall be prepared to receive the impact attenuator by filling, excavating, smoothing, constructing the foundation pad as recommended by the manufacturer, installing approved transition and anchoring, and all other work necessary for the proper installation of the attenuator.

The impact attenuator shall be fabricated and installed in accordance with the manufacturer's recommendations. The Contractor shall provide a copy of the manufacturer’s installation instructions and parts list to the Engineer prior to installation of the device.

Each installation shall be supervised and certified as correct upon completion by a representative of the device manufacturer or by an employee of the Contractor who is a certified installer. The certified installer shall have completed device training and shall be registered with the manufacturer as a certified installer. The Contractor shall submit all appropriate documentation to validate that the certified installer has complete device training and has been registered with the manufacturer as a certified installer.

REVISION OF SECTION 614

IMPACT ATTENUATOR (REACT)

**METHOD OF MEASUREMENT**

Impact attenuators will be measured by the number of attenuators that are installed, and accepted.

**BASIS OF PAYMENT**

The accepted quantities will be paid for at the contract unit price for the pay item listed below.

Payment will be made under:

**Pay Item Pay Unit**

Impact Attenuator (REACT) Each

Payment will be full compensation for all work and materials required to furnish, install, and certify the impact attenuator. Site preparation, foundation pad and all necessary hardware including anchors and transitions will not be measured and paid for separately, but shall be included in the work.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**INSTRUCTIONS TO DESIGNERS** (Delete instructions and symbols from final draft.)

Use this special provision for REACT attenuators for hazards up to two feet wide.

♦ Insert the design speed.

♪ Insert TL-2 or TL-3. TL-2 is used for design speeds up to 45 miles per hour. TL-3 is used for speeds greater than 45 miles per hour.

▲ Insert the hazard width.The REACT cylinder width is three feet.

♥ Indicate "yes" or "no". Use of an approved transition from shielded obstacle to REACT is required for bidirectional use.

♣ Indicate where the attenuator will be installed such as "Median", "Gore", "Roadside", or "Construction Zone".

♠ Identify the object to be shielded, such as "Guardrail Type 3", Guardrail Type 7", "Bridge Rail", or other object.