COLORADO DEPARTMENT OF TRANSPORTATION
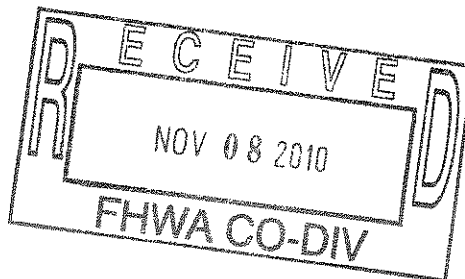# PROPRIETARY ITEM – FINDING IN THE PUBLIC INTEREST (FIPI)

INSTRUCTIONS;
A specific patented or proprietary material, specification, or process shall not be required on a contract except as permitted in Section 8.16 of the Project Development Manual (PDM). Use this form to obtain approval of the use of a proprietary feature on a project or group of projects.

PROPRIETARY ITEM OR PROCESS:

Name of proprietary item or process:	Manufacturer name, address & phone No.:
Smart Cushion Impact Attenuator, (SCI)	Smart Cushion Industries, Inc. 2500 Production Dr. St. Charles, IL 60174 800-327-4417
QuadGuard, QuadGuard II, QuadGuard Elite, QuadGuard LMC and REACT 350.	Energy Absorption Systems, Inc. 35 East Wacker Drive Chicago, IL 60601 312-467-6750

NEED FOR PROPRIETARY ITEM:

Check only one	LOCATION
☐ Project Specific	Provide Project No., Project Code, and Location:
☐ Corridor Specific	Provide Corridor Description:
☐ Region-wide	Identify CDOT Region:
☒ Statewide	

For a corridor, region-wide, or statewide request, a finding in the public interest will have a term of: (Check only one)	
☒ 3 Years (maximum allowable)	Specify dates of term: Nov. 4, 2010 to Nov. 3, 2013
☐ Other (specify term)	Specify dates of term:

CERTIFICATION

I hereby certify that it is in the public interest to specify the above named proprietary item or process for the following reasons: (Check all that apply)

☒ It is essential for synchronization.

☒ No equally suitable alternative exists.

☐ It will be used for research or experimental purposes on short sections of road. (Such use must be processed through the Research Branch of DTD. Attach documentation from DTD.)

JUSTIFICATION (required). Justification consists of information that documents the reasons marked above for use of the proprietary item or process. For research or experimentation include a work plan that describes how the research or experimental feature will be used and evaluated. Attach additional pages and documentation as necessary.

CDOT considers performance, accident history, repair time and repair costs of impact attenuators prior to approval for statewide use.

CDOT requests continuation of the statewide FIPI for use of the Smart Cushion, QuadGuard, QuadGuard II, QuadGuard Elite, and QuadGuard LMC for permanent locations. The REACT 350 will be installed at locations where a self-restoring impact attenuator is desired. CDOT allows sand barrels to be used in place of impact attenuators when shown in the plans. CDOT will continue to investigate attenuators from other suppliers to determine if they can meet required performance criteria. CDOT has currently installed two Trinity HEART impact attenuators in Colorado Springs and is monitoring repair cost for this device.

APPLICANT SIGNATURE

Name	Title (CDOT Project Engineer, Branch Manager, or Program Engineer as appropriate; see flowchart in section 8.16 of the PDM):	Signature
Jeff Wassenaar	Project Development Branch Manager	*J/Wassenaar*

APPROVAL SIGNATURES:

Signature	CDOT Resident Engineer (Required on project specific or corridor FIPIs)	Date
Signature	CDOT Research Engineer (Required for research and experimentation FIPIs)	Date
Signature *[signature]*	FHWA Operations Engineer (Required for all region-wide and statewide FIPIs and FHWA oversight project level FIPIs)	Date 12/7/10
Signature	Other (specify)	Date

COPIES OF APPROVED FORM TO (as appropriate):

CDOT Project Engineer:	CDOT Resident Engineer:
CDOT Program Engineer: Jeff Wassenaar	CDOT Research Engineer:
CDOT Standards and Specifications Engineer (all, with draft of any required specification change): Larry Brinck	FHWA Operations Engineer: Dahir Egal

CDOT FORM 1381