

GUIDANCE: Form 1002 – Enhanced Safety Elements

The link to revised Form 1002 (May 2018) can be found here: <https://tntoday.dot.state.tx.us/des/Pages/fsIndex.aspx>

Or the form itself can be found on eForms (*Internet Explorer only*) here: <http://txeform/txdoteforms/GetForm?formName=/1002.pdf&applID=/DES&status=/reportError.jsp&configFile=WFServletConfig.xml>

The latest revision to Form 1002 includes a new line of data, Section L at the bottom of page 2 for enhanced safety elements:

I. **Pedestrian Elements**
Estimated Cost \$:

J. **Project submitted to TDLR (through Registered Accessibility Specialists) for review.** Yes No
If Yes, submit a copy of the project TDLR Registration Form to DES with the plan set.

K. **Type of 3D model developed**
 Basic Corridor Model Automated Machine Guidance Model Visualization Model

L. Project includes enhanced safety elements
 Yes No Cost of enhanced elements \$:

Definition:

Enhanced safety elements are any elements included in the project for safety reasons that go above the RDM/TxDOT requirements of the type and scope of work proposed in the project.

There is not a list of items that are expected to be accounted for here. However, the following are some examples that could be considered enhanced safety elements:

- Flattening side slopes beyond the minimum requirements;
- Use of design criteria above the minimum requirements in the guidelines; for example, the minimum shoulder width per RDM is 3' but you use 5' in the project;
- Addition of work to the contract to address substandard values of geometric elements, even though the scope of work allows less (2R vs 3R vs 4R);
- Profile pavement markings;
- Portable changeable message signs;
- Rumble strips;
- Truck mounted attenuators (TMA), when not required but used to supplement the TCP;
- Constructing 8' shoulder where the minimum per criteria is 3';
- ...

HES Projects:

Section L on Form 1002 for HES projects will be filled out in the same way. Even though HES projects are, by nature, safety projects, only the elements that are above and beyond the scope of the project should be counted here.

So if your scope is 3R-HES and that is all you address with the project, then there would be no enhanced safety items on the project to report in Section L on Form 1002. However, if you go beyond the element(s) for which the HES project was created to correct and you analyze and upgrade other controlling criteria to improve or replace roadside safety appurtenances (for example), then yes that would count.

How to calculate the cost of these elements:

This new section of Form 1002 does not require that you commit a large amount of time toward filling it out. The point of the field is to get a ballpark figure for how much additional cost is being put toward enhanced safety elements on a project.

If there are specific bid items that can easily be identified then include the cost of those items.

If there is a safety enhancement that encompasses multiple bid items, simply perform a rough calculation that reasonably estimates the cost of the safety enhancement.