

Drawing/spec

Post by Administrator on 7/25/05 at 18:05

Updated drawing and specification posted at <http://users.wpi.edu/~skwirl/HardwareGuide/New/Ready/Systems/sgm06a-b.pdf>

One question for discussion:

SGM04a-b shows FWC16a washers under the nuts on the guardrail-post bolts (FBB05 and FBB03). The old SGM06a-b drawing does not show these washers. Should there be washers in the SGM06 systems like the SGM04 systems?

Re: Drawing/spec

Post by TerryHale on 7/26/05 at 9:09

On the HPBO W-beam median barrier with rub rail, I sense an opportunity to make the system better than it has been. One reason the rail has been kept low is to prevent low front end geometry vehicles from under-running it. The presence of the rub rail should essentially take care of that concern. With that concern addressed, there should be no reason the rail can't be made higher to deal with the fact that we have a lot more vehicles with higher centers of gravity on our roads. While the post lengths might be an issue, I believe it would be a safety improvement to increase the height of the HPBO median barrier with rub rail by at least four inches.

Re: Drawing/spec

Post by cheimbecker on 7/26/05 at 10:26

There needs to be some clarification on rub-rail usage on one side versus both sides.

When is both sides required/used?

Have there been tests run on double w-beam with double rubrail? Or are the tests only on double w-beam with single rubrail?

I have a couple instances where designers are calling for single rubrail on the near side traffic face - and other cases where they want double rub-rail in the median ditch. I could use any help/info available regarding the testing done and/or placement & usage guidelines.

At least maybe make a note on this detail that rubrail can be placed on one side only and both sides is not required (as shown).

Re: Drawing/spec

Post by Administrator on 9/8/05 at 14:09

7/26/05 at 10:26, cheimbecker wrote:

There needs to be some clarification on rub-rail usage on one side versus both sides....

D. Powers of FHWA says that using a rubrail on only one side is "OK with me when used near a median shoulder with rubrail on slope side - but not tested."
