

## 14\_21 Median Barrier Origin and Shoulder Rollovers

### Question:

Using criteria, and looking at the criteria online, It is confusing about the MBW01 left and right origin. I was using config 2 for both sides of median because I was using shoulders. The following comes from online:

- "MBW01 LEFT ORIGIN"
- "MBW01 RIGHT ORIGIN"
- Specifies the origin of the wall(s) from the left and right cluster respectively.
- Valid definitions are 1 or 2.
- Define as 2 if shoulder criteria was included, and 1 otherwise.
- Example: If shoulder criteria is included on the right side of the median and not on the left, define "MBW01 LEFT ORIGIN" as 1 and "MBW01 RIGHT ORIGIN" as 2.

It makes it seem like I am to use 2. Is the info online correct? Is it worded right? Also what are different Criteria standard shoulder "cases" used for?

### Answer:

The above two Criteria median barrier origin variables are obsolete. Criteria is smart enough to know whether a shoulder Criteria is used or not base on the input file. Therefore, the left and right origin points are not required by the users. I have removed this section from the online help to avoid further confusion.

## Synopsis Of Median Barrier Origin With The Effects Of Shoulder Rollovers

- If no shoulder Criteria (shld01.cri) is used, only followed by a template Criteria (tmplt01.cri), with the median barrier wall Criteria (mdnbw01.cri), then the median barrier origin is located at the inside EOT (or inside edge of Geopak shape). The pavement cross slope is extended to the toe of the median barrier with no consideration to our standard shoulder rollovers.
- If a shoulder Criteria (shld01.cri) is used with the median barrier wall Criteria (mdnbw01.cri), then the median barrier origin is located at the inside edge of finished shoulder, mostly paved but can be grass. The origin can be at the toe of the median barrier or not. If there is a gap between the origin and the toe of median barrier, then Criteria will automatically bridge this gap. Standard shoulder rollover rates are applied.

## Standard Rollover Rates Cases According To Drawing Standards

Criteria determines how to handle rollovers for the inside and outside shoulders by assigning a "case" number according to the Drawing Standards. Criteria users can override the case number with the "SH0# STANDARD CASE NUMBER" definition statement if desired to do so. Below is a table describing the different Criteria shoulder rollover cases.

Criteria Case #	Drawing Standards	Sheet	Usable Shoulder Width (ft)	Paved Shoulder Width (ft)
1	560.01	1 of 2	< 10	2
2	560.01	2 of 2	< 10	4
3	560.02	1 of 5	>= 10	2
4	560.02	2 of 5	>= 10	4
5	560.02	4 of 5	>= 10	10
6	560.02	5 of 5	>= 10	>= 10
7	560.02	3 of 5	>= 10	4 full/6 partial