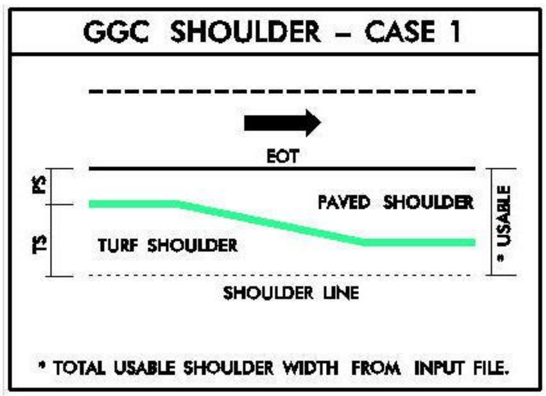
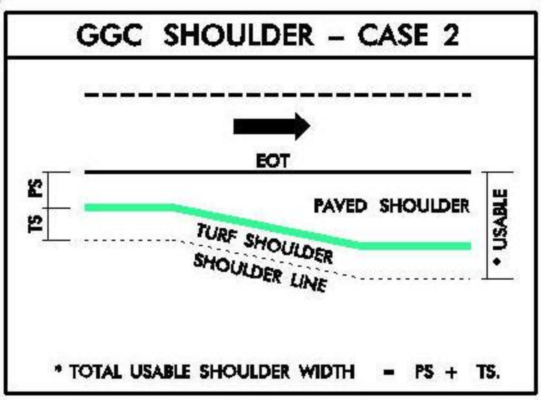
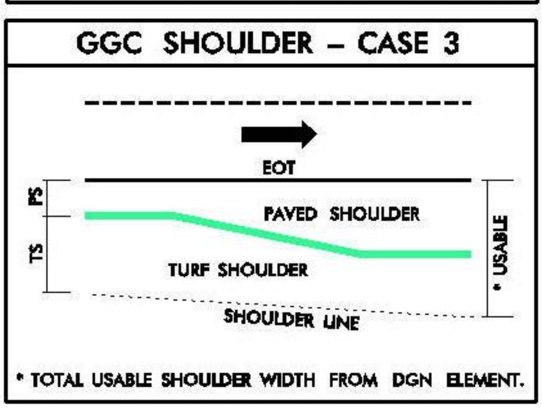
14_12 GGC Graphical Shoulders (Paved and Total Usable)

Question:
I have a safety improvement project with multiple paved shoulder designs and sections transitioning from and to one another. I have already used the allotted eight shoulder Criteria files (SH01 - SH08). Can you add two more for my project needs?

Answer:
Two additional shoulder Criteria files have added (SH09 and SH10). However, Criteria has been modified to process paved shoulders and total usable shoulder widths more efficiently with Geopak Graphical Criteria (GGC). With Shoulders GGC, users can determine the location of the paved shoulder line for each section. Also configurable is how to handle the total usable shoulder width. The below sketches show how this would work.







This will eliminate the need for more than two shoulder Criteria files for the length of a project in a single input file. Inside and outside shoulders are accommodated with the new GGC. As a result, a more accurate slope stake shift for guardrail flares can be represented.