Assessment of Existing G4(1S) Strong Post Guard Rail (Rail)
For Rehabilitation Projects; i.e., Pavement Preservation, 3-R

- Does Rail meet NCHRP350 or MASH? 🔄
  - No 🔄 TL3?
  - Yes 🔄 Top Rail Height < 21\frac{3}{4}"? 🔄
  - No 🔄 Top Rail Height < 24\frac{3}{4}"
    - No 🔄 Top Rail Height < 26.5"
      - No 🔄 Top Rail Height ≥ 26.5"
        - Yes 🔄 Option 2
      - Yes 🔄 Timber Block Outs?
        - No 🔄 Plastic/Recycled Block Outs?
          - Yes 🔄 Replace with Timber Block Outs?
            - No 🔄 Option 1
          - No 🔄 Replace Metal Block Out specifying either Option 1© or Option 2
    - Yes 🔄 Replace metal block out and specify Option 1
  - Yes 🔄 TL2

Option 1 — Reset Guardrail (existing state spec)
Option 2 — Raise Timber Offset Block (3” max.)

NOTES:
TL — Test Level designation as per NCHRP350 or AASHTO MASH
© Guardrail Height of 27.75” per Texas Transportation Report No. 405421-1 & FHWA Memorandum ACTION: Roadside Design: Steel Strong Post W-beam Guardrail
@ AASHTO Manual for Assessing Safety Hardware, (MASH, latest edition)
@ FHWA Memorandum ACTION: AASHTO Roadside Design Guide, 4th Edition; and, FHWA FAQ #13
© Recommended Height of 29"