DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever.

MULTILANE UNDIVIDED (RURAL) HIGHWAYS

Note:
- SGT rail taper may be decreased or eliminated (see note 1).
- Downstream bridge attachment (See detail A).

TYPICAL CROSS SECTION AT SGT

GENERAL NOTES
1. For more details, see GF(31), SGT(31), GF(31)TR, and GF(31)TL2 standard sheets.
2. Quantities of metal beam guard fence (MBGF) at individual bridge ends are as shown in the plans.
3. Use average daily traffic (ADT) for the current year to determine MBGF length of need in accordance with the Roadway Design Manual unless otherwise specified. Where significant traffic volume growth is anticipated on low volume (0-750 ADT) highways, use length determinations for the higher volume category.
4. MBGF may not be required to extend departure end of bridge unless other obstructions within the horizontal clearance limits or opposing traffic indicate a MBGF consideration.
5. Downstream anchor terminals (DAT) are only for downstream end anchorage use, outside the horizontal clearance area of opposing traffic.
6. Direct connection of MBGF to concrete rails is only for downstream rail connections outside the horizontal clearance area of opposing traffic. (This requires a minimum of three standard line posts plus the DAT terminal, see detail A).
7. The crown shall be widened to accommodate MBGF, typically the "front slope" break should be 2'-0" from the back of the MBGF post. This applies to new construction only. Where existing roadway crown width is to be widened to increase roadway width, this does not apply to rehabilitation work where existing roadway crown width is to be retained (see typical cross section at MBGF).
8. For reconstructive bridge work, the MBGF should be properly transitioned from the SGT plus MBGF to the adjoining SGT (see MBGF transition). Transition type will be shown elsewhere in the plans. Non-symmetrical MBGF transitions are as shown in the plans.
9. Transition length and post spacing will vary depending on the transition type. Transition type will be shown elsewhere in the plans.
10. A minimum 25' length of MBGF will be required.

For more detail, see GF(31), SGT(31), GF(31)TR, and GF(31)TL2 standard sheets.