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| Use on projects as appropriate. |
| Note: when the contract requires installing weathering steel (Type IV) for W-beam Guardrail (G4 and MGS), always specify the Metal Thickness Class B. |

## Section 617. — GUARDRAIL

**Description**

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| Include when using MGS or SBL-FAT. |

**617.01**

**(a)** Delete the text and substitute the following;

**(a)** Guardrail systems are designated as follows:

CRG — Curved radius W-beam guardrail

G1 — Cable guardrail

G2 — W-beam (weak post)

G3 — Box beam

G4 — Blocked-out W-beam standard barrier

G9 — Blocked-out thrie beam standard barrier

MB4 — Blocked-out W-beam median barrier

MGS — Midwest Guardrail System (MGS)

SBLG — Steel-backed log rail

SBTA — Steel-backed timber (SBT) guardrail/timber posts and block-out

SBTB — SBT guardrail/timber posts and no block-out

**(d)** Delete the text and substitute the following;

**(d)** Terminals consist of posts, railing, hardware, and anchorage assembly necessary to construct the type of terminal specified. Terminal types are designated as follows:

Flared - Straight or parabolic flared W-beam terminal

G4-BAT - Back slope G4 W-beam anchor terminal

G4-CRT - Cable releasing W-beam terminal

MGS Flared - Straight flared MGS W-beam terminal

MGS Tangent - Tangent MGS W-beam terminal

SBL-FAT - Flared SBL anchor terminal

SBT-BAT - Back slope SBT anchor terminal

SBT-FAT - Flared SBT anchor terminal

SBT-Tangent - Tangent SBT terminal

Tangent - Tangent W beam terminal

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| Include subsection 617.06 for all projects with guardrail terminals. Check with the maintaining agency to determine whether a specific terminal type (e.g. SKT-350, SRT-350, FLEAT, or others) is required. If so, insert the specific terminal type/name in the highlighted area below. Write a justification in the project file for use of a proprietary terminal. If the maintaining agency does not have a preference, insert either FLARED or TANGENT in the highlighted area below.  Determine the test level for the terminal type chosen and insert it in the highlighted area below (e.g. 2 (for 45 mph and less) or 3 (for 50 mph and greater)). Also include the appropriate drawings in the plans. |

**Construction Requirements**

**617.06 Terminal Sections.** Add the following:

Use (fill in flared, tangent, etc.) terminal meeting (MASH, NCHRP 350) Test Level (fill in).