NOTES TO DESIGNER:

Standard is to be used for trapezoidal or curved, 2-span continuous, steel plate girders. The standard includes girder details; tables for plate sizes, dimensions, and tension flange limits; and details for stiffeners, connector plates, etc. The standard is used along with standards SGCAM2C (camber diagram) and SGDLD2C (dead load deflection and top of slab elevations along centerline girder).

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

GIRDER ELEVATION:

Draw horizontal lengths of plates to scale and draw thickness and vertical lengths of plates proportional. Add horizontal scale. Show size of welds between web and flange. Show size of bearing stiffeners. Remove the plates and their dimension designations that are not used.

NOTES:

Complete first note (alternate web thickness). Add sheet number(s) to note(s).

PLATE DIMENSION TABLE:

Fill in table. Remove unused columns.

GIRDER DIMENSION TABLE:

Fill in table. Remove unused columns.

TENSION FLANGES:

Fill in table.

BEARING STIFFENERS:

Add plate size(s) and location(s).

CROSS FRAME CONNECTOR PLATE:

Add dimensions. See Part 2, Chapter 11, of this manual. Add plates size(s) and location(s).

TRANSVERSE INTERMEDIATE STIFFENER:

Add plate size and dimensions. See Part 2, Chapter 11, of this manual.
FLANGE CLIP DETAIL:

Add flange clip detail from cell library (sg.cel) for skewed bridges. Add angle, dimension(s) and location(s). Details may have to be moved to place cell. See Part 2, Chapter 11, of this manual.

TYPICAL BEAM END DETAIL:

Fill in number of spaces and spacing of shear stud connectors and 1 ½” Ø holes in web. Fill in dimensions between end of beam and centerlines of shear stud connectors and 1 ½” Ø holes.