

NOTES:

- 1. This system is offered with 8', 16', or 24' (ft) radii. Do not use other radii.
- 2. See contract documents for transition or end anchor types.
- For additional installation and requirements, See:
 Standard Plan C-20.10 Beam Guardrail Type 31

 - Standard Plan C-22.40 or C-22.45 Beam Guardrail Type 31 Non-Flared Terminal
 - Standard Plan C-23.70 Beam Guardrail (Type 31) Anchor Type 11

- Standard Plan C-25.32 Beam Guardrail (Type 31) Transition Section Type 25

- 4. For Details of typical components not shown, See: C-1b Beam Guardrail Posts and Blocks

 - C-7 Beam Guardrail End Sections
 - C-20.10 Beam Guardrail Type 31
- 5. The top and bottom Rail Cable assemblies begin and end withn the Beam Guardrail (Type 31) Transition Section Type 25 or withn the Beam Guardrail Type 31 section. The rail cable assemblies, including connections, are paid under the Short Radius Guardrail System (SRGS) bid item.
- 6. Tension the finished top & bottom rail cable assemblies until all rail cable slack is removed.
- 7. It is permissible to fabricate the anchor plate from 1/4" (in) thick plates welded to equal strength and dimensions shown.
- 8. Four $(4x) 5/8" \times 11/2"$ (in) machine bolts with hex nut and washer. Place washer on face side of rail.
- 9. Fasten the Rail Cable Assembly using a single 3/4" (in) nut and washer at both ends of the cable.
- 10. Lap rails in same direction as adjacent traffic.
- 11. Keep the designated "Clear Area" behind the SRGS free of objects or obstructions (ie: signs, poles, cabinets, wingwalls, etc.)
- 12. If the SRGS is not connecting to bridge or concrete barrier with a transition, the SRGS main road section should be a symmetrical mirror image to the SRGS side road section. The two straight sections of the SRGS are required off both ends of the curved radius section.
- 13. See contract for required length.



Aug 13, 2024

SHORT RADIUS **GUARDRAIL SYSTEM (SRGS)**

STANDARD PLAN C-20.44-00

SHEET 1 OF 3 SHEETS

APPROVED FOR PUBLICATION

Aug 13, 2024





GUARDRAIL SYSTEM (SRGS)

STANDARD PLAN C-20.44-00

Aug 13, 2024

STATE DESIGN ENGINEER







13' - 6 1/2"

STATE DESIGN ENGINEER