

Sample Plan

SUPERELEVATION PLANS ----- NARRATIVE

References:

- Design Scene: Chapter 10 - Paving
- Technical Memorandum: No. 17-11-TS-04 Superelevation and Horizontal Alignment Design Policy
- Road Design Manual: Chapter 3-1 to 3-3

General Information:

On the plan view, show stationing to the nearest foot where the superelevation transition begins and ends, and where the superelevation is zero. Identify the superelevation where transition begins and ends. Show transitions by cross-hatching. Reverse the cross-hatching where the superelevation is zero.

Erosion Control and drainage may be shown on the superelevation plan sheet rather than on a separate sheet. If so, the sheet should be titled as such and see the Erosion Control and Drainage Plan Narratives and Checklists.

Try to avoid locating superelevation transitions on bridges or at the ends of bridges.

Examine superelevation transitions for low points. Particularly take notice on long, flat grades or long sag vertical curves. It is desirable for the designer to develop an edge of pavement or gutterline profile to prevent unintentional low points.

Generally, maintain roadway superelevation for adjacent shoulders less than 4 feet wide.

Cross slopes should be labeled with a digit before the decimal (example: 0.25).

Sample Plan

SUPERELEVATION PLAN ----- CHECKLIST

- 1. North Arrow
- 2. Legend with Units
- 3. Label Superelevations (stationing and cross-slope)
- 4. Roadway Dimensions
- 5. Label Alignments
- 6. Stationing (at least two per roadway)
- 7. Equations
- 8. Transitions cross hatched
- 9. Bar Scale
- 10. See Erosion Control Checklist, if applicable
- 11. See Drainage Plan Checklist, if applicable
- 12. Cross references to other sheets (as applicable)
- 13. Drawn by: and Checked by: Initials and Engineer's signature

REVISION DATE 04/07/17
PLOTTED/REVISED: 23-OCT-2019

DISTRICT #: Metro
PLOT NAME: superel
FILENAME: Projects\DM_Ros\Won_Proj\Design\SamplePlan\English\superel.dgn

LEGEND

CONSTRUCTION - THIS CONTRACT

SUPERELEVATION TRANSITION FT/FT

SAMPLE PLAN

S.W. LOOP POND

BOT = 903.0
NWL = 906.0
HWL = 908.3

LOW POINT
STA. 10+40.83
EL. 909.86

Q T.H. 65 S.B.

Q T.H. 65 N.B.

Q T.H. 10 E.B.

Q RAMP B

Q N.E. RAMP

Q NO. FR. RD. INP.

Q S.E. RAMP

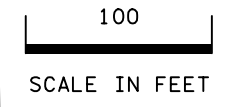
S.E. RAMP POND
BOT = 901.0
NWL = 904.0
HWL = 906.3

LOW POINT
STA. 30+25.03
EL. 911.59

LOW POINT
STA. 627+93.78
EL. 910.74

LOW POINT
STA. 631+43.71
EL. 913.39

SNAIL POND
BOT = 901.0
NWL = 904.0
HWL = 905.3



NOISE WALL A

SUPERELEVATION PLAN

T.H. 10 E.B. STA. 625+00 TO 634+80
T.H. 65 N.B. STA. 362+10 TO 375+45

SHEET 1 OF 1