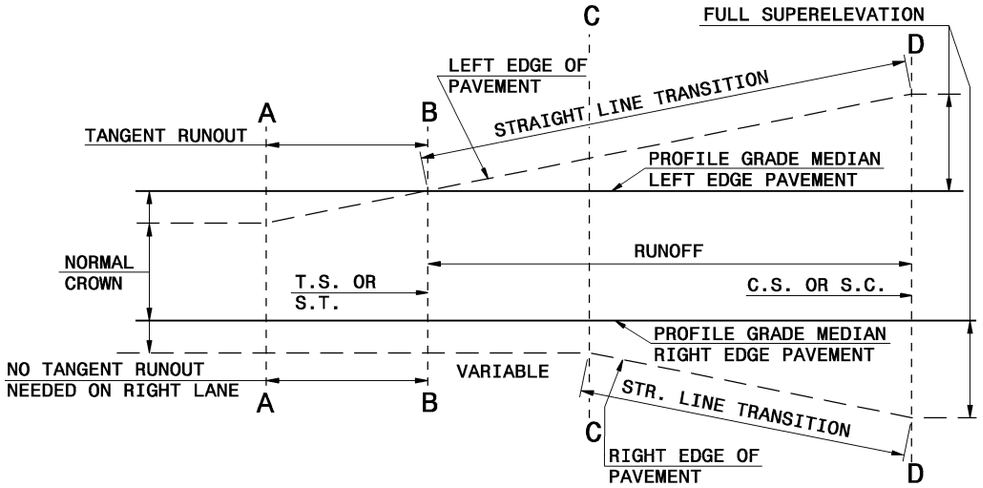
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR

METHOD OF OBTAINING SUPERELEVATION

DIVIDED HIGHWAYS



SHORT VERTICAL CURVES 100′ OR LESS MAY BE INSERTED AT POINTS C AND D WHEN DIRECTED ON CONSTRUCTION

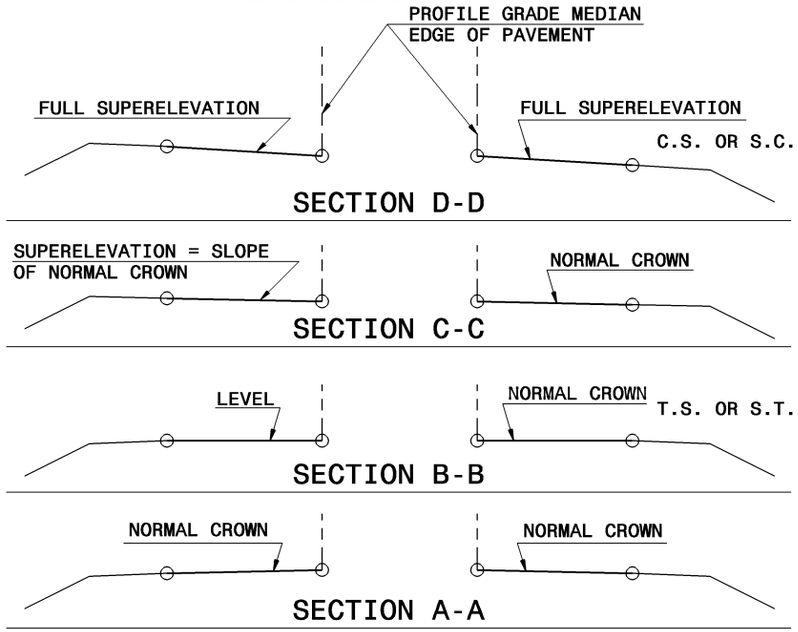
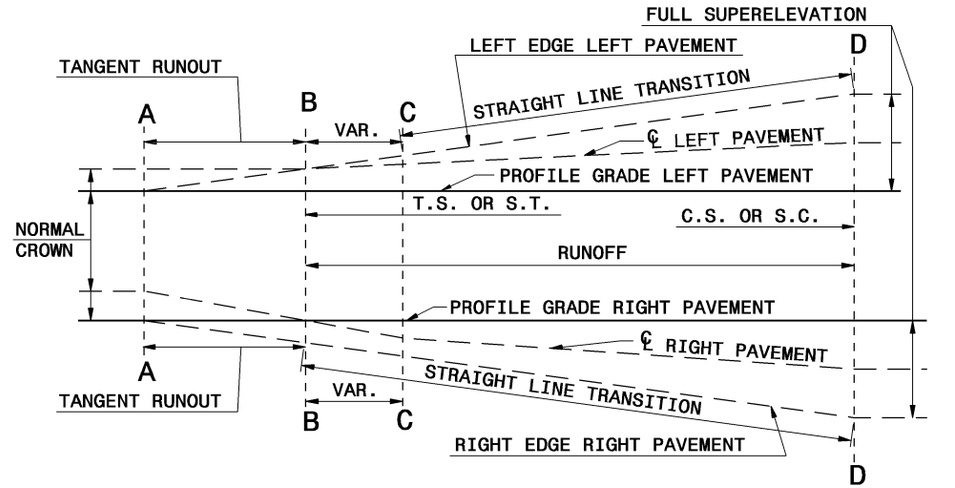


FIGURE 1 SPIRAL CURVE

4 LANE PAVEMENT
PROFILE GRADE ON MEDIAN EDGE OF PAVEMENT. SLOPE BOTH WAYS FROM MEDIAN, ROTATE ABOUT MEDIAN.



SHORT VERTICAL CURVES 100′ OR LESS MAY BE INSERTED AT POINT D WHEN DIRECTED ON CONSTRUCTION

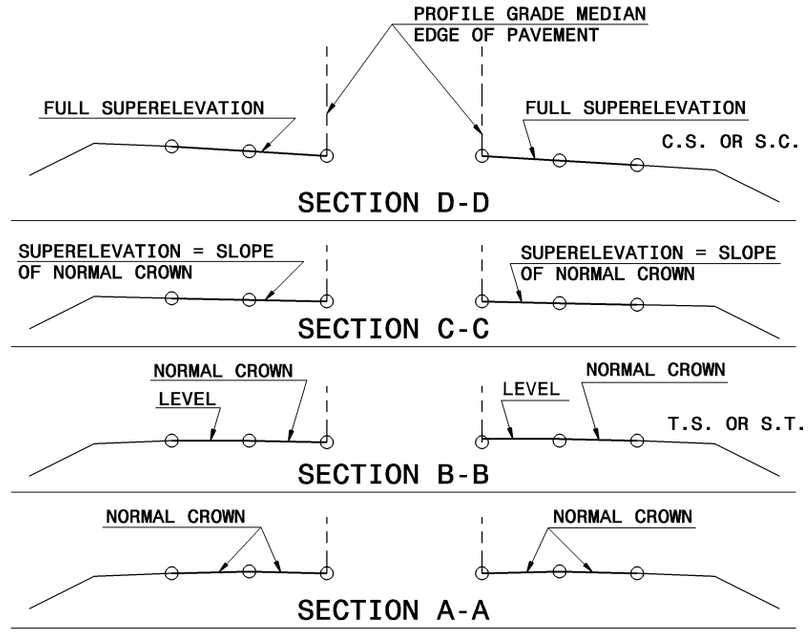


FIGURE 2 SIMPLE CURVE OR SPIRAL CURVE

4 LANE PAVEMENT
PROFILE GRADE MEDIAN EDGE OF PAVEMENT. CROWNED ABOUT CENTER OF PAVEMENTS, ROTATE ABOUT MEDIAN EDGES

GENERAL NOTES:
-SUPERELEVATION TO BE AS PROVIDED IN "A POLICY ON GEOMETRIC DESIGNS OF HIGHWAYS AND STREETS".
-SPECIAL CARE MUST BE USED TO PREVENT DITCH SUMPS WHICH MIGHT BE INDUCED BY SUPERELEVATION.
-PROFILE GRADE WILL BE MEDIAN EDGE OF PAVEMENT ON BOTH TANGENTS AND CURVES.
-IN WIDE MEDIANS, WHERE INDIVIDUAL ALIGNMENT IS USED, PROFILE GRADE WILL REMAIN ON MEDIAN EDGE OF PAVEMENT.

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SHEET 1 OF 1
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