APPROXIMATELY 25% OF SUPERELEVATION TRANSITION LENGTH

APPROXIMATELY 75% OF SUPERELEVATION TRANSITION LENGTH

| NORMAL CROWN | TANGENT RUNOUT DISTANCE (T.R.) | SUPERELEVATION RUNOFF LENGTH (S.E. RUN) | FULL SUPERELEVATION RATE (e) |

2/3 RUNOFF LENGTH | 1/3 RUNOFF LENGTH

PC OR PT OF CURVE

PROFILE LEFT EDGE OF PAVEMENT — ⓐ

※(CONSTANT RATE OF CHANGE OF S.E.)

PROFILE GRADE LINE AT ₵ PAVEMENT — ⓑ
(PROFILE GRADE AS SHOWN ON PLANS)

※(CONSTANT RATE OF CHANGE OF S.E.)

E.O.P. - NORMAL CROWN

PROFILE RIGHT EDGE OF PAVEMENT — ⓒ

ROUND ALL BREAK POINTS
IN FIELD

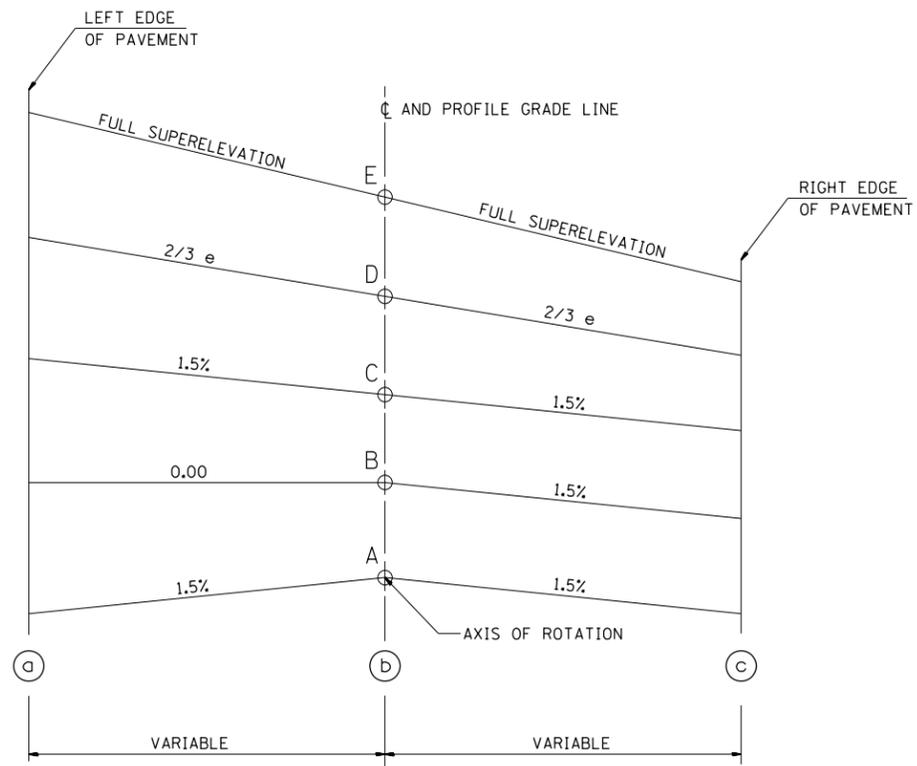A   B   C   D   E

TYPICAL PROFILE - S.E. TRANSITION

SEE PLANS FOR CURVE DATA INFORMATION
CURVE DATA
P.I. STA=
Δ=
R=
T=
L=
E=
e= SUPERELEVATION RATE IN PERCENT
T.R.= TANGENT RUNOUT DISTANCE
S.E. RUN= SUPERELEVATION RUNOFF LENGTH
P.C. STA=
P.T. STA=

LEFT EDGE
OF PAVEMENT

₵ AND PROFILE GRADE LINE

FULL SUPERELEVATION

E

RIGHT EDGE
OF PAVEMENT

FULL SUPERELEVATION

2/3 e   D   2/3 e

1.5%   C   1.5%

0.00   B   1.5%

A

1.5%   1.5%

AXIS OF ROTATION

ⓐ   ⓑ   ⓒ

VARIABLE   VARIABLE

TABLE OF SUPERELEVATION BREAK POINT LOCATIONS

CURVE NO.	e	A	B	C	D	E	TRANSITION
C302	4%	229+18.00	229+58.00	229+98.00	230+29.49	230+65.00	Trans. In
		260+78.00	260+38.00	259+98.00	259+66.50	259+31.00	Trans. Out

TYPICAL CROSS SECTION - S.E. TRANSITION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION TRANSITION
DETAIL FOR TWO LANE HIGHWAY**

SCALE: SHEET   OF   SHEETS STA.   TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
••	1(RS),2(RS),S(RS-6)	SANGAMON	116	104

CONTRACT NO. 72F23

ILLINOIS FED. AID PROJECT