TYPICAL PROFILE - S.E. TRANSITION

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 RIGHT 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.)

PROFILE LEFT EDGE OF PAVEMENT ⓐ

E.O.P. - NORMAL CROWN

ROUND ALL BREAK POINTS IN FIELD

A B C D E

TYPICAL PROFILE - S.E. TRANSITION

₵ AND PROFILE GRADE LINE

RIGHT EDGE OF PAVEMENT

LEFT EDGE OF PAVEMENT

FULL SUPERELEVATION

E — FULL SUPERELEVATION
D — 2/3 e
C — 1.5%
B — 0.00
A — 1.5% 1.5%

2/3 e 2/3 e
1.5% 1.5%
1.5%

AXIS OF ROTATION

ⓐ ⓑ ⓒ

VARIABLE VARIABLE

TABLE OF SUPERELEVATION BREAK POINT LOCATIONS

CURVE NO.	e	A	B	C	D	E	TRANSITION
M8	4.7%	181+20	181+55	181+90	182+28	182+65	P.C.
	4.7%	186+40	186+05	185+70	185+31	184+95	P.T.
M9	5.8%	186+25	186+61	186+96	187+51	187+97	P.C.
	5.8%	193+12	192+77	192+42	191+87	191+41	P.T.
M10	3.5%	194+35	194+70	195+05	195+25	195+52	P.C.
	3.5%	204+09	203+50	203+38	203+19	202+91	P.T.
1	4.9%	223+15	223+50	223+85	224+26	224+65	P.C.
	4.9%	238+46	238+11	237+76	237+34	236+96	P.T.
19	N/A						P.C.
	N/A						P.T.
11	5.4%	442+60	442+95	443+30	443+79	444+21	P.C.
	5.4%	460+69	460+33	459+98	459+49	459+07	P.T.
112	2.1%	24+20	24+55	24+90	24+88	25+04	P.C.
	2.1%	54+49	54+14	53+79	53+81	53+65	P.T.
113	2.0%	78+56	78+91	79+26	79+22	79+38	P.C.
	2.0%	87+49	87+14	86+78	86+82	86+67	P.T.

EXIST. CURVE M8
PI STA. = 183+80.54
Δ = 14°15'19" LT
D = 4°42'20"
R = 1,217.61'
T = 152.26'
L = 302.94'
E = 9.48'
e = 4.7%
T.R. = 35'
S.E. RUN = 145'
P.C. STA = 182+28.29
P.T. STA = 185+31.23

EXIST. CURVE M9
PI STA. = 189+71.54
Δ = 21°28'11" RT
D = 4°55'55"
R = 1,161.75'
T = 220.25'
L = 435.33'
E = 20.69'
e = 5.8%
T.R. = 35'
S.E. RUN = 171'
P.C. STA = 187+51.29
P.T. STA = 191+86.62

EXIST. CURVE M10
PI STA. = 199+30.07
Δ = 28°35'28" LT
D = 3°36'03"
R = 1,591.16'
T = 405.45'
L = 794.00'
E = 50.84'
e = 3.5%
T.R. = 35'
S.E. RUN = 117'
P.C. STA = 195+24.62
P.T. STA = 203+18.62

EXIST. CURVE 1
PI STA. = 230+98.74
Δ = 32°38'19" RT
D = 2°29'43"
R = 2,296.14'
T = 672.28'
L = 1,308.00'
E = 96.39'
e = 4.9%
T.R. = 37'
S.E. RUN = 120'
P.C. STA = 224+26.46
P.T. STA = 237+34.46

EXIST. CURVE 19
PI STA. = 424+62.49
Δ = 2°22'07" LT
D = 1°00'55"
R = 5,643.56'
T = 116.67'
L = 233.30'
E = 1.21'
e = NORMAL CROWN
T.R. = NORMAL CROWN
S.E. RUN = NORMAL CROWN
P.C. STA = 423+45.83
P.T. STA = 425+79.13

EXIST. CURVE 11
PI STA. = 451+96.20
Δ = 39°90'34" LT
D = 2°29'41"
R = 2,296.72'
T = 816.91'
L = 1,569.72'
E = 140.96'
e = 5.4%
T.R. = 35'
S.E. RUN = 162'
P.C. STA = 443+79.29
P.T. STA = 459+49.01