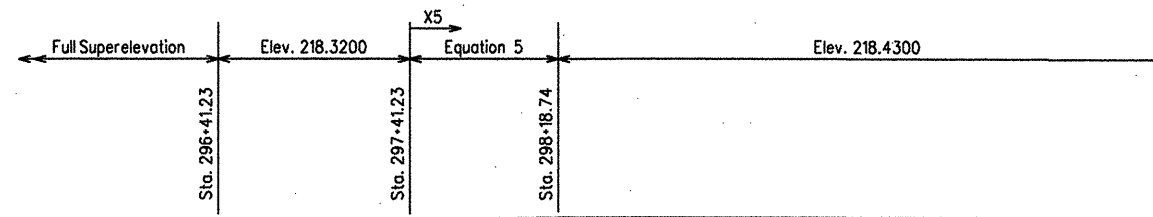
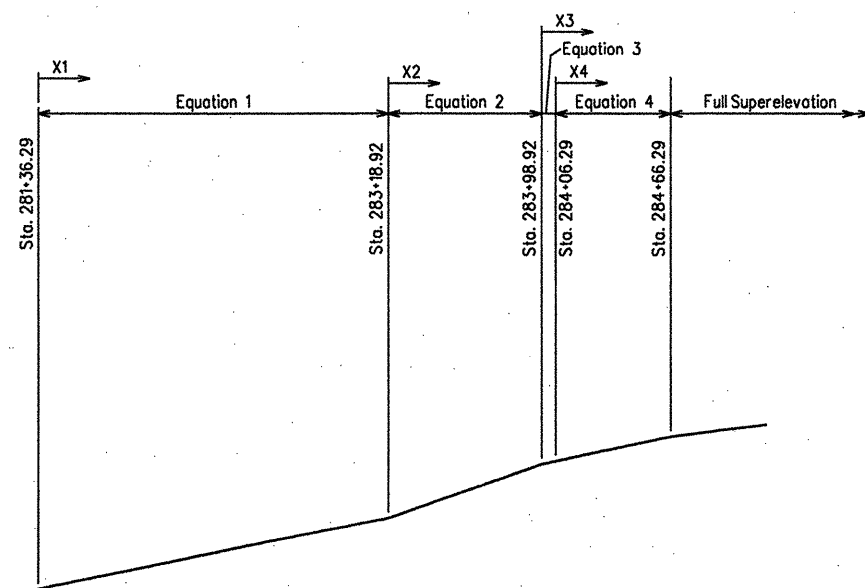


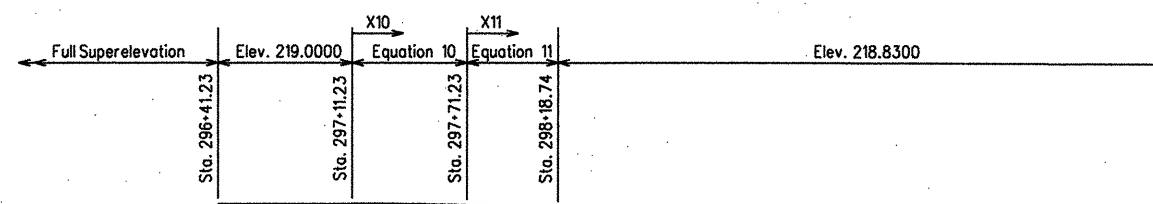
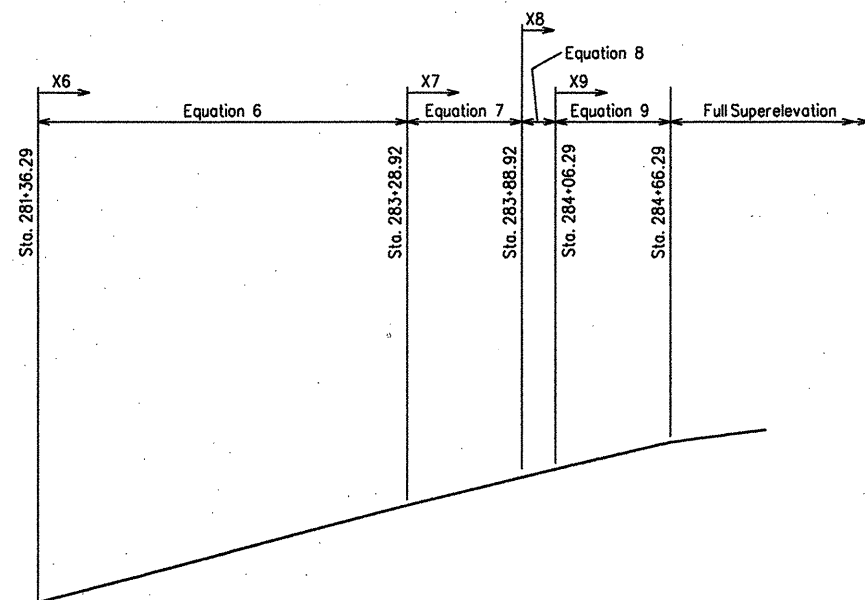
TABLE OF EQUATIONS
X1 thru X16 are the distances in feet starting from the stations shown to any point within the regions shown.

	EQUATION NUMBER	EQUATION
LEFT GUTTER	1	Elev. = $198.3600 + 0.02747(X1) - 0.0000095(X1)^2$
	2	Elev. = $203.0600 + 0.024(X2) - 0.0000183(X2)^2$
	3	Elev. = $204.8600 + 0.02107(X3)$
	4	Elev. = $205.0200 + 0.02107(X4) + 0.00000317(X4)^2$
	5	Elev. = $218.3200 + 0.00142(X5)$
CENTERLINE	6	Elev. = $198.7600 + 0.0272(X6) - 0.0000083(X6)^2$
	7	Elev. = $203.6900 + 0.024(X7) + 0.0000058(X7)^2$
	8	Elev. = $205.1500 + 0.0247(X8)$
	9	Elev. = $205.5800 + 0.0247(X9) - 0.0000288(X9)^2$
	10	Elev. = $219.0000 - 0.0000183(X10)^2$
	11	Elev. = $218.9340 - 0.00220(X11)$
RIGHT GUTTER	12	Elev. = $198.3600 + 0.0274(X12) + 0.0000057(X12)^2$
	13	Elev. = $204.6600 + 0.0299(X13) - 0.0000300(X13)^2$
	14	Elev. = $219.6800 - 0.0000174(X14)^2$
	15	Elev. = $219.4298 - 0.00417(X15)$
	16	Elev. = $218.5600 - 0.00417(X16) + 0.0000348(X16)^2$

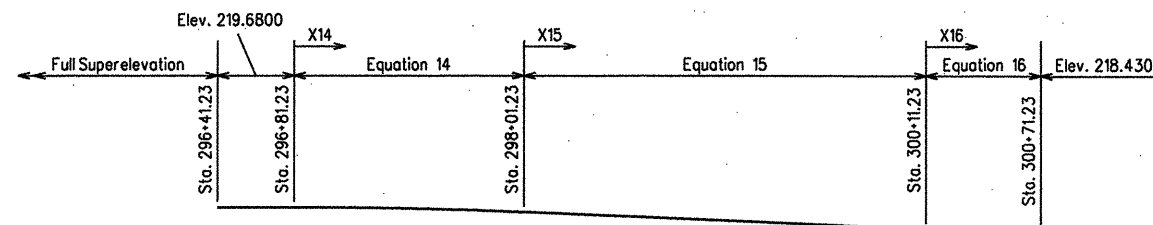
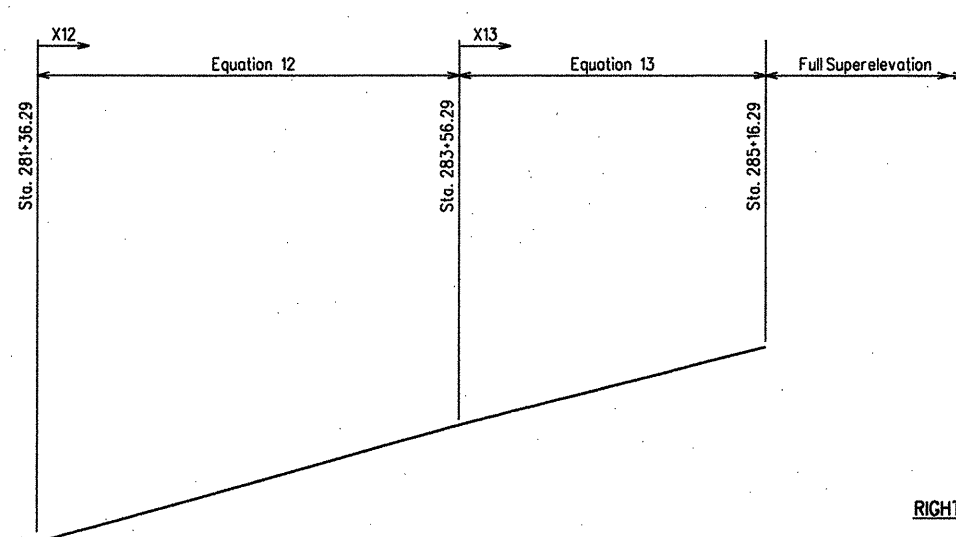
Note: Equations include vertical curve adjustments and are based on a maximum superelevation of 3.39%.



LEFT GUTTERLINE



CENTERLINE BRIDGE

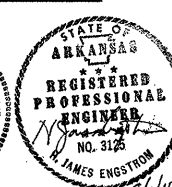


RIGHT GUTTERLINE

METHOD OF SUPERELEVATION TRANSITION

Scale: 1" = 50' Horizontal
1" = 5' Vertical

Note: The left gutterline, centerline, & right gutterline of the bridge have been smoothed with correction equations. The roadway slope at any station is a straight line between the centerline and left gutterline or between the centerline and right gutterline.



ALTERNATE NO. 1 & 2

METHOD OF SUPERELEVATION TRANSITION
WHITE RIVER STR. & APPRS.
(CLARENDON) (PH.III) (F)
MONROE COUNTY
ROUTE 79 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom / Modjeski and Masters

DRAWN BY: LKD/TAD DATE: Nov. 07 FILENAME: b1103951_110.dgn
CHECKED BY: FS/LKD DATE: Nov. 01 SCALE: 1" = 50'-0"
DESIGNED BY: LKD/FS DATE: Nov. 01
BRIDGE NO. 06830 DRAWING NO. 47021

BRIDGE ENGINEER