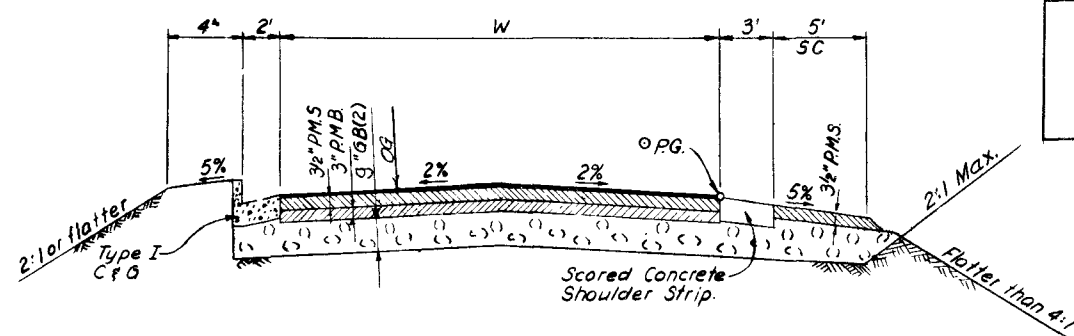
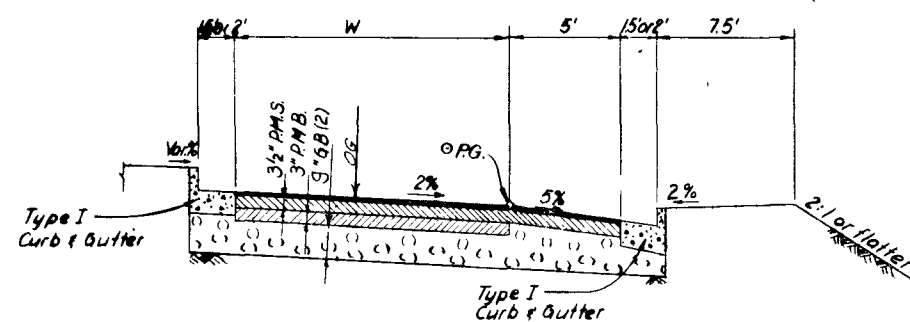
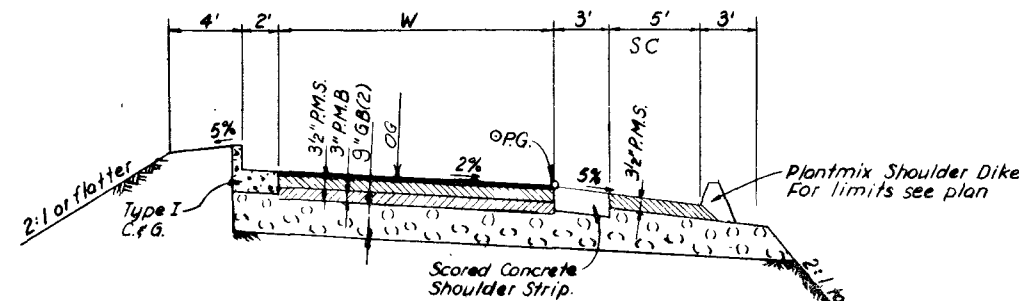
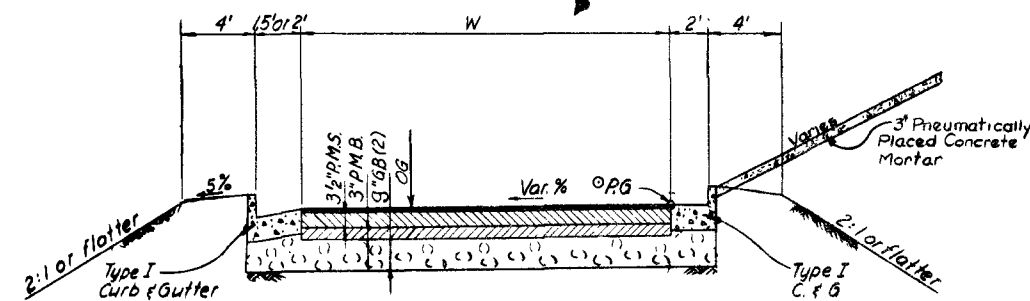


RAMP VARIATIONS

TABULATED BELOW ARE GENERAL LIMITS OF VARIATIONS IN RAMP PROPERTIES. SEE PAVING PLANS & DETAILS FOR EXACT LIMITS, AND DIMENSIONS SEE RAMP TYPICAL SECTIONS TO LEFT

RAMP DESIGNATION	STATION TO STATION	LEFT				RIGHT				SUPERELEVATION	LANE WIDTH
		DIKE	SIDEWALK	SCORED STRIP	CURB & GUTTER	DIKE	SIDEWALK	SCORED STRIP	CURB & GUTTER		
WS	0 + 00 - 1 + 52	SEE EXPRESSWAY								+2 to +8	0-12
	1 + 52 - 9 + 65	SEE RAMP LS								+8 to +7	12
	9 + 65 - 13 + 55	SEE RAMP LS								+7	12
	13 + 55 - 14 + 50	SEE RAMP LS									24
	16 + 50 - 19 + 46	SEE RAMP LS									20-12
SE	0 + 00 - 18 + 03	SEE RAMP SW								+2 to +8	0-24
	12 + 36 - 17 + 39	SEE RAMP SW								+7	24
	17 + 39 - 22 + 09	SEE RAMP SW								+7 to +6	12
	22 + 09 - 29 + 57	SEE RAMP SW									12
	29 + 57 - 30 + 96	SEE EXPRESSWAY								+8 to +6	12
SW	0 + 75 - 5 + 38	SEE RAMP SE								+8 to +6	12
	5 + 38 - 9 + 06	SEE RAMP SE								+6	12
	10 + 77 - 17 + 94	SEE RAMP SW								+8 to +6	12
	17 + 94 - 22 + 64	SEE RAMP SW								+8 to +6	12-0
	0 + 00 - 1 + 35	SEE RAMP SW								+2	0-6
NW	2 + 25 - 4 + 16	SEE RAMP SW								+2 to +1	12
	4 + 16 - 10 + 97	SEE RAMP SW								+8 to +2	12
	10 + 97 - 15 + 63	SEE RAMP SW								+2 to +8	12
	15 + 63 - 16 + 98	SEE EXPRESSWAY								+2 to +2	12
	2 + 93 - 4 + 18	SEE RAMP NW								+8	13
NE	4 + 18 - 12 + 35	SEE EXPRESSWAY								+8	13
	12 + 35 - 13 + 01	SEE EXPRESSWAY								+8 to +1	13-12
	0 + 00 - 4 + 09	SEE EXPRESSWAY								+7 to +2	12
	4 + 09 - 9 + 15	SEE EXPRESSWAY								+2 to +7	12
	12 + 22 - 12 + 60	SEE EXPRESSWAY								+8 to +7	12
WM	17 + 60 - 21 + 56	SEE RAMP WS								+7	12
	0 + 00 - 1 + 19	SEE EXPRESSWAY								+8 to +2	12-13
	1 + 19 - 11 + 91	SEE RAMP WS								+8 to +2	13
	11 + 91 - 12 + 30	SEE RAMP WS								+2	13-9
	14 + 88 - 15 + 88	SEE RAMP WS								+2	3-0
EN	17 + 14 - 17 + 90	SEE RAMP WS								+2	3-0
	0 + 01 - 4 + 11	SEE EXPRESSWAY								+2 to +5	0-13
	4 + 11 - 14 + 04	SEE RAMP WS								+5 to +4	13
	14 + 04 - 15 + 93	SEE RAMP WS								+2 to +2	13
	17 + 90 - 20 + 28	SEE RAMP WS								+2	11-0
RB	0 + 00 - 2 + 00	SEE RAMP WS								+5	0-13
	2 + 00 - 4 + 89	SEE RAMP WS								+15	13
	4 + 89 - 13 + 55	SEE RAMP WS								+5 to +8	13
	13 + 55 - 14 + 40	SEE RAMP WS								+8 to +4	13
	14 + 40 - 15 + 00	SEE RAMP WS								+8 to +4	13
NM	15 + 00 - 16 + 21	SEE RAMP WS								+8 to +4	13-12
	0 + 00 - 5 + 40	SEE RAMP WS								+8	12
	5 + 40 - 8 + 00	SEE RAMP WS								+2	12-18
	8 + 00 - 8 + 60	SEE RAMP WS								+2	18-24
	8 + 60 - 9 + 00	SEE RAMP WS								+2	24-28
EH	9 + 00 - 11 + 34	SEE RAMP WS								+2	24-28
	3 + 00 - 3 + 50	SEE RAMP WS								+7	12
	3 + 50 - 4 + 75	SEE RAMP WS								+7 to +2	12
	4 + 75 - 5 + 20	SEE RAMP WS								+2	12
	5 + 20 - 6 + 11	SEE RAMP WS								+2	12-24
	6 + 11 - 6 + 93	SEE RAMP WS								+2	24
	6 + 93 - 8 + 50	SEE RAMP WS								Varies	

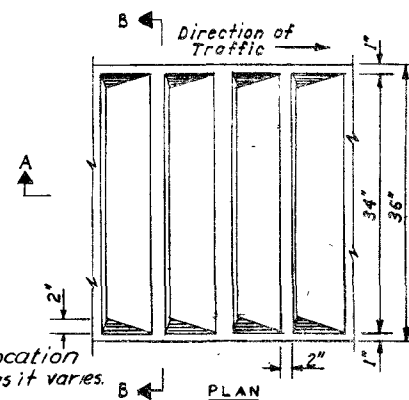
* Variable Superelevation



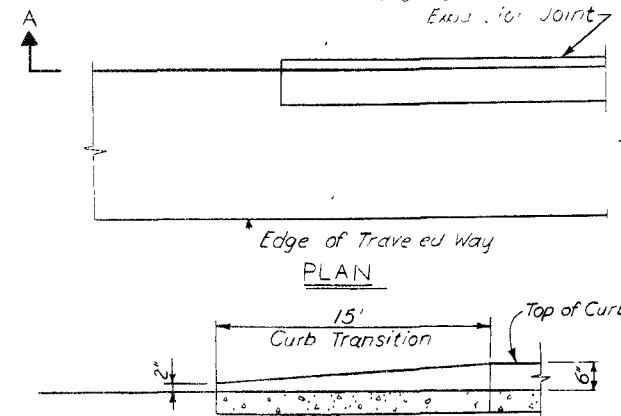
TYPICAL RAMP SECTIONS

No Scale

See Paving Plans for Location of Profile Grade Line as it varies.



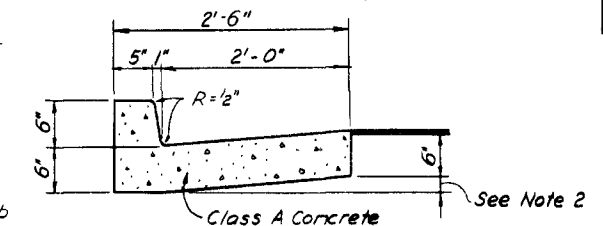
PLAN



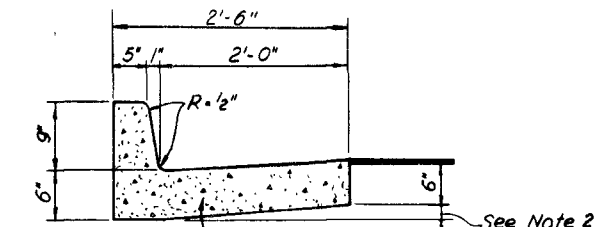
SECTION A-A

TYPE A

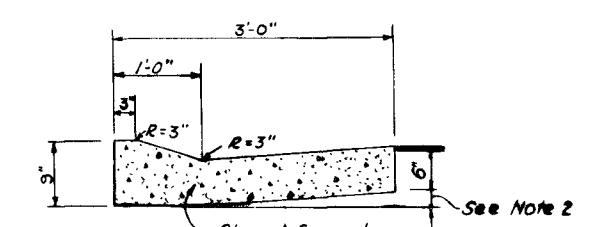
At End of Type I Curb and Gutter



TYPE I



TYPE II



TYPE T

CURB AND GUTTER DETAILS

LEGEND

- OG - Open Graded Plantmix Surface
- PMS - Plantmix Surface (over tack coat)
- RMB - Plantmix Base (over prime coat)
- GB(2) - Type 2 Gravel Base
- PCC - Class "A" Concrete
- Subgrade or Existing Ground
- C&G (Type No.) - Types I - T Curb and Gutter
- PG - Profile Grade
- SC - Seal Coat

NOTES:

- See Sheet A-2 for general notes
- Gutter slope is 1" per ft. where curb is on low side of sloping pavement. Vary to match cross slope where curb is on high side of sloping pavement. At roadway cross slope transitions, the full gutter slope shall be achieved within 25" from level roadway cross section.
- See grading or paving and drainage plans for side slope transitions.

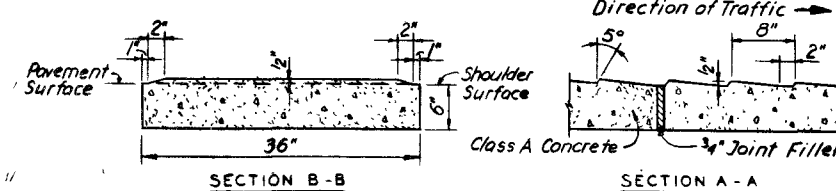
STATE OF NEVADA
DEPARTMENT OF HIGHWAYS
TYPICAL RAMP SECTIONS
AND
CONSTRUCTION DETAILS
DOWNTOWN EXPRESSWAY-BONANZA INTERCHANGE
LAS VEGAS

DE LEUW, CATHAR & COMPANY
ENGINEERS
SAN FRANCISCO, CALIFORNIA

SCALE
DESIGNED BY JWB
DRAWN BY JKL
CHECKED BY JKL

WEAKENED PLANE JOINT

For use in concrete curb and gutter



SECTION B-B

SECTION A-A

SCORED CONCRETE SHOULDER STRIP

107V3833