



SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

BM#43 CHISELED SQUARE
S.E. COR. S. HDWL
STA. 396+43, 27' RT.
EL. 1134.97

BM#44 2" ALUM. CAP
END OF OVERPASS I-44
EL. 1144.60

SEE SHEETS 35 - 36
FOR PLAN

HYDRAULIC DATA BRIDGE "A"
(ULTIMATE CONDITION)

D.A.	= 2.40sq.m.	Q25	= 2800 cfs
Q0T > Q252	= 3845 cfs	V25	= 11.67 fps
V252	= 15.93 fps	Q25 HW	= 1118.45
Q252 HW	= 1123.43	Q50	= 3198 cfs
Q2	= 1100 cfs	V50	= 13.32 fps
V2	= 5.52 fps	Q50 HW	= 1120.19
Q2 HW	= 1111.09	Q100	= 3537 cfs
Q5	= 1700 cfs	V100	= 14.74 fps
V5	= 7.08 fps	Q100 HW	= 1121.83
Q5 HW	= 1113.82	Q500	= 4092 cfs
Q10	= 2164 cfs	V500	= 16.27 fps
V10	= 9.02 fps	Q500 HW	= 1124.06
Q10 HW	= 1116.06		

EXISTING BRIDGE
@ STA. 41+24.63
3 - 10'x8'
TOTAL LENGTH= 330'
RDWY OT ELEV.= 1122.27
RDWY OT STA.= 46+15.54

SEE SHEETS 35 - 36
FOR PLAN

SEE SHEETS 142
FOR BRIDGE A GP&E