PAVEMENT DRAINAGE COMPUTATIONS

PROJECT _____ DESIGNER _____ DATE _____

DISCHARGE										GUTTER FLOW				GRATE OPENINGS INLETS					CURB OPENING INLETS									CHECK
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
INLET STATION	UPSTREAM STATION	LENGTH	WIDTH	A	C	CA	TIME	I YEAR FREQUENCY	Qo	GUTTER SLOPE (S)	CROSS SLOPE (Z)	DEPTH AT CURB (d)	SPREAD	TYPE OF INLET	WIDTH OF FLOW OUTSIDE OF GRATE	DEPTH OUTSIDE EDGE OF GRATE (d')	FLOW OUTSIDE OF GRATE (Q'o)	FLOW AT END OF GRATE (Qo-Q'o)	Qo/Lo CURB OPENING Q'o/Lo GRATE OPENING	100% PICKUP LENGTH (Lo)	L/Lo	o/d CURB OPENING o/d' GRATE OPENING	Q/Qo CURB OPENING Q'/Q'o GRATE OPENING	FLOW OVER SIDE OF GRATE (Q')	TOTAL FLOW INTEPCEPTED (Q)	CARRY OVER FLOW	% PICKUP	INLET OK
		FT	FT	ACRES		ACRES	MIN	IN/HR	CFS	FT/FT	FT/FT	FT	FT		FT	FT	CFS	CFS		FT				CFS	CFS	CFS		
		SITE SPECIFIC	SITE SPECIFIC	DRAINAGE AREA TO INLET STATION	SITE SPECIFIC SEE CHAPTER 6	COLUMN 5 x COLUMN 6	TIME OF CONCENTRATION TO INLET STATION SEE CHAPTER 6	EXHIBIT V-1 OR V-2 WITH COLUMN 8	COLUMN 7 x COLUMN 9	SITE SPECIFIC	SITE SPECIFIC	EXHIBIT VIII-1 WITH COLUMNS 10, 11 & 12	COLUMN 12 x COLUMN 13	SELECT	COLUMN 14 - WIDTH OF GRATE	COLUMN 16 x COLUMN 12	EXHIBIT VIII-1 WITH COLUMNS 11, 12 & 17	COLUMN 10 - COLUMN 18	EXHIBIT VIII-2a WITH COLUMNS 13 OR 17	COLUMN 18 / COLUMN 20 OR COLUMN 10 / COLUMN 20	LENGTH OF GRATE / COLUMN 21	LOCAL DEPRESSION (3/4) / COLUMN 13 OR LOCAL DEPRESSION (3/4) / COLUMN 17	EXHIBIT VIII-2b WITH COLUMNS 22 AND 23	COLUMN 10 x COLUMN 24 OR COLUMN 18 x COLUMN 24	COLUMN 19 + COLUMN 25	COLUMN 10 - COLUMN 26	COLUMN 26 / COLUMN 10 x 100	

Pavement Drainage Computation Sheet

EXHIBIT NO. 10