INLET COMPUTATIONS

INLET NUMBER	LOCATION	RUNOFF COMPUTATIONS							CARRY OVER (CFS)	TOTAL Qa (CFS)	Z	Z/N	S (FT/FT)	Y (FT)	POND WIDTH Y*Z (FT)	A (FT)	QL (CFS)	CURB INLET DESIGN						DROP INLET DESIGN			CARRY OVER (CFS)	REMARKS
		DA NO.	CA	TIME OF CONCEN. ACT (MIN)	TIME OF CONCEN. DES (MIN)	DES FREQ (YR)	INTENSITY ("/HR)	Qa (CFS)										Lreq* Qa/QL (FT)	L FT	L / Lreq	A/Y	Q/Qa	Q (CFS)	ALLOW HEAD (FT)	NUMBER OF GRATES (EA)	ACTUAL HEAD (FT)		
CI-1	46.5' RT GALLOWAY STA 5+51	1	0.44	2.2	10.0	5	6.89	3.03		3.03	48.0	3200	0.0405	0.1666	8.00	0.25	0.339	8.93	10				3.03					
CI-2	46.5' LT GALLOWAY STA 5+70	2	0.44	2.0	10.0	5	6.89	3.03		3.03	48.0	3200	0.0437	0.1642	7.88	0.25	0.338	8.98	10				3.03					
CI-3	23' RT WB FR RD STA 393+13	3	0.48	3.7	10.0	5	6.89	3.30		3.30	48.0	3200	0.0111	0.2193	10.52	0.25	0.382	8.64	5	0.58	1.14	0.69	2.28				1.02	C/O TO CGI-4
CGI-4	12' LT WB FR RD STA 397+10	4	1.04	3.5	10.0	5	6.89	7.16	1.02	8.18	48.0	3200		0.4167	20.00	0.25		4.87	15				8.18					SAG INLET
DI-5	100' LT IH30 STA 406+30	5	1.52	5.7	10.0	10	8.01	12.18		12.18													12.18	0.80	1	0.88		TY C DROP INLET
DI-6	100' LT IH30 STA 408+71	6	0.66	1.8	10.0	10	8.01	5.29		5.29													5.29	0.30	1	0.17		TY C DROP INLET
CGI-7	12' LT WB FR RD STA 411+80	7	0.89	4.3	10.0	5	6.89	6.13		6.13	48.0	3200	0.0232	0.2409	11.56	0.25	0.400	15.33	15	0.98	1.04	0.99	6.07				0.06	C/O TO CGI-12
CI-8	6' LT RAMP "Q" STA 410+94	8	0.38	1.3	10.0	10	8.01	3.05		3.05	48.0	3200	0.0350	0.1716	8.24	0.25	0.343	8.88	10				3.05					
CGI-9	6' LT RAMP "Q" STA 412+73	9	0.37	1.2	10.0	10	8.01	2.97		2.97	48.0	3200	0.0327	0.1721	8.26	0.25	0.344	8.64	10				2.97					
CGI-10	6' LT RAMP "Q" STA 414+37	10	0.15	1.2	10.0	10	8.01	1.20		1.20	48.0	3200		0.1667	8.00	0.25		1.45	5				1.20					SAG INLET
CI-11	75' LT IH30 STA 415+47	11	0.40	1.5	10.0	10	8.01	3.21		3.21	48.0	3200	0.0350	0.1750	8.40	0.25	0.346	9.28	10				3.21					
CGI-12	12' LT WB FR RD STA 419+15	12	1.22	3.5	10.0	5	6.89	8.40	0.06	8.46	48.0	3200	0.0214	0.2760	13.25	0.25	0.430	19.69	15	0.76	0.91	0.85	7.19				1.27	C/O TO CGI-13
CGI-13	12' LT WB FR RD STA 421+84	13	0.94	5.2	10.0	5	6.89	6.47	1.27	7.74	48.0	3200	0.0480	0.2294	11.01	0.25	0.390	19.83	15	0.76	1.09	0.84	6.50				1.24	C/O TO CGI-14
CGI-14	12' LT WB FR RD STA 423+65	14	0.74	6.0	10.0	5	6.89	5.10	1.24	6.34	48.0	3200	0.0221	0.2461	11.81	0.25	0.404	15.68	15	0.96	1.02	0.98	6.21				0.13	C/O TO CGI-16
DI-15	25' LT AUDUBON PK STA 0+70	15	1.19	7.8	10.0	5	6.89	8.19		8.19													8.19	0.47	2	0.14		TY C DROP INLET
CGI-16	18' LT AUDUBON PK STA 1+11	16	0.69	4.5	10.0	5	6.89	4.75	0.13	4.88	48.6	3240		0.2469	12.00	0.25		4.51	15				4.88					SAG INLET
CGI-17	17.65' RT AUDUBON PK STA 1+11	17	0.27	2.5	10.0	5	6.89	1.86		1.86	48.6	3240		0.2469	12.00	0.25		1.72	5				1.86					SAG INLET
CI-18	46.5' RT GALLOWAY STA 14+45	18	0.44	2.1	10.0	5	6.89	3.03		3.03	48.0	3200	0.0506	0.1598	7.67	0.25	0.334	9.07	10				3.03					
CI-19	46.5' RT GALLOWAY STA 14+53	19	0.43	2.2	10.0	5	6.89	2.96		2.96	48.0	3200	0.0494	0.1591	7.64	0.25	0.333	8.88	10				2.96					
CGI-20	12' RT EB FR RD STA 396+62	20	0.86	1.3	10.0	5	6.89	5.92		5.92	24.0	1600		0.4167	10.00	0.25		3.52	10				5.92					SAG INLET
CGI-21	12' RT EB FR RD STA 403+22	21	0.29	1.2	10.0	5	6.89	2.00		2.00	48.0	3200	0.0094	0.1875	9.00	0.25	0.356	5.62	5	0.89	1.33	0.93	1.86				0.14	C/O TO CGI-22
CGI-22	12' RT EB FR RD STA 409+76	22	0.70	3.9	10.0	5	6.89	4.82	0.14	4.96	48.0	3200	0.0385	0.2023	9.71	0.25	0.368	13.48	15				4.96					
CGI-23	12' RT EB FR RD STA 414+80	23	0.54	2.5	10.0	5	6.89	3.72		3.72	48.0	3200	0.0306	0.1896	9.10	0.25	0.358	10.40	10	0.96	1.32	0.96	3.57				0.15	C/O TO CGI-24
CGI-24	12' RT EB FR RD STA 419+53	24	0.50	4.7	10.0	5	6.89	3.44	0.15	3.59	48.0	3200	0.0193	0.2040	9.79	0.25	0.369	9.72	10				3.59					
CGI-25	87' RT IH30 STA 396+03	25	0.43	3.6	10.0	10	8.01	3.45		3.45	55.7	3713	0.0065	0.2331	12.98	0.25	0.393	8.77	10				3.45					
CGI-26	87' RT IH30 STA 403+77	26	0.96	5.6	10.0	10	8.01	7.69		7.69	48.0	3200	0.0139	0.2887	13.86	0.25	0.441	17.45	15	0.86	0.87	0.92	7.07				0.62	C/O TO BWI-27
BWI-27	87' RT IH30 STA 405+23	27	0.23	1.3	10.0	10	8.01	1.84	0.62	2.46	48.0	3200	0.0178	0.1796	8.62	0.25	0.350	7.02	5	0.71	1.39	0.79	1.94				0.52	C/O TO BWI-28
BWI-28	87' RT IH30 STA 406+28	28	0.19	1.3	10.0	10	8.01	1.52	0.52	2.04	48.0	3200	0.0205	0.1630	7.83	0.25	0.337	6.05	5	0.83	1.53	0.88	1.79				0.24	C/O TO BWI-29
BWI-29	87' RT IH30 STA 407+43	29	0.19	1.2	10.0	10	8.01	1.52	0.24	1.76	48.0	3200	0.0236	0.1505	7.22	0.25	0.327	5.40	5	0.93	1.66	0.95	1.68				0.09	C/O TO BWI-30
BWI-30	87' RT IH30 STA 408+67	30	0.19	1.2	10.0	10	8.01	1.52	0.09	1.61	48.0	3200	0.0268	0.1419	6.81	0.25	0.320	5.02	5	0.99	1.76	0.99	1.59				0.02	C/O TO BWI-31
BWI-31	87' RT IH30 STA 409+82	31	0.19	1.3	10.0	10	8.01	1.52	0.02	1.54	48.0	3200	0.0299	0.1367	6.56	0.25	0.316	4.86	5				1.54					
BWI-32	87' RT IH30 STA 410+84	32	0.19	1.3	10.0	10	8.01	1.52		1.52	48.0	3200	0.0325	0.1340	6.43	0.25	0.314	4.84	5				1.52					
BWI-33	87' RT IH30 STA 411+89	33	0.20	1.2	10.0	10	8.01	1.60		1.60	48.0	3200	0.0350	0.1348	6.47	0.25	0.315	5.08	5	0.98	1.86	0.99	1.58				0.02	C/O TO BWI-34
BWI-34	87' RT IH30 STA 412+94	34	0.19	1.2	10.0	10	8.01	1.52	0.02	1.54	48.0	3200	0.0350	0.1327	6.37	0.25	0.313	4.91	5				1.54					
BWI-35	87' RT IH30 STA 414+07	35	0.21	1.3	10.0	10	8.01	1.68		1.68	48.0	3200	0.0350	0.1372	6.59	0.25	0.317	5.31	5	0.94	1.82	0.96	1.61				0.07	C/O TO BWI-36
BWI-36	87' RT IH30 STA 415+32	36	0.23	1.3	10.0	10	8.01	1.84	0.07	1.91	48.0	3200	0.0350	0.1439	6.91	0.25	0.322	5.93	5	0.84	1.74	0.88	1.68				0.23	C/O TO BWI-37
BWI-37	6' RT RAMP "R" STA 416+48	37	0.20	1.5	10.0	10	8.01	1.60	0.23	1.83	48.0	3200	0.0312	0.1448	6.95	0.25	0.322	5.67	5	0.88	1.73	0.91	1.66				0.16	C/O TO BWI-38
BWI-38	6' RT RAMP "R" STA 417+41	38	0.16	1.5	10.0	10	8.01	1.28	0.16	1.44	48.0	3200	0.0282	0.1350	6.48	0.25	0.315	4.59	5				1.44					
CGI-39	6' RT RAMP "R" STA 418+29	39	0.21	1.6	10.0	10	8.01	1.68		1.68	48.0	3200	0.0285	0.1426	6.85	0.25	0.321	5.24	10				1.68					
DI-40	104.5' RT IH30 STA 423+00	40	3.15	14.1	14.1	10	6.87	21.64		21.64													21.64	1.87	2	0.95		TY C DROP INLET
DI-41	124' LT IH30 STA 423+50	41	3.40	6.4	10.0	10	8.01	27.25		27.25													27.25	1.30	3	0.75		TY C DROP INLET
SD-42	12.16' LT IH30 STA 425+48.50	42	0.46	0.7	10.0	10	8.01	3.69		3.69													3.69					SEE SLOTTED DRAIN COMPS
SD-43	1.29' LT IH30 STA 426+83.01	43	0.07	1.8	10.0	10	8.01	0.56		0.56													0.56					SEE SLOTTED DRAIN COMPS
SD-44	1.29' LT IH30 STA 429+23.01	44	0.18	3.7	10.0	10	8.01	1.44		1.44													1.44					SEE SLOTTED DRAIN COMPS
SD-45	12.16' LT IH30 STA 429+44.00	45	0.45	0.6	10.0	10	8.01	3.61		3.61													3.61					SEE SLOTTED DRAIN COMPS
CGI-46	12' RT EB FR RD STA 423+72.50	46	0.49	2.5	10.0	5	6.89	3.37		3.37	48.0	3200	0.0114	0.2199	10.55	0.25	0.382	8.81	10				3.37					
CGI-47	12' RT EB FR RD STA 424+75	47	0.21	1.0	10.0	5	6.89	1.45		1.45	48.0	3200		0.4167	20.00	0.25		0.86	5				1.45					SAG INLET
CGI-48	12' RT EB FR RD STA 425+60	48	0.49	4.1	10.0	5	6.89	3.37		3.37	48.0	3200	0.0094	0.2280	10.94	0.25	0.389	8.66	10				3.37					
CGI-49	12' RT EB FR RD STA 428+50	49	0.34	1.3	10.0	5	6.89	2.34		2.34	48.0	3200	0.0416	0.1504	7.22	0.25	0.327	7.16	10				2.34					
CGI-50	12' RT EB FR RD STA 430+69	50	0.48	1.8	10.0	5	6.89	3.30		3.30	48.0	3200	0.0496	0.1656	7.95	0.25	0.339	9.75	10				3.30					

INLET COMPUTATIONS

SHEET 1 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			
STATE	STATE DIST. NO.	COUNTY	
TEXAS	DAL	DALLAS	
CONTROL	SECTION	JOB	HIGHWAY NO.
			I.H. 30