

APPENDIX A

WORK PROGRAM No. 122

HART COMBINED SEWER DISTRICT

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008745	G8	MH40007959	MH40007975	ALLAN	CS	250	CONCRETE	13.674	4.389	5000
MA40008746	G8	MH40007960	MH40007959	ALLAN	CS	250	CONCRETE	28.96	4.116	5000
MA40008779	G8	MH40008013	TE40004964	ALLAN	CS	300	CONCRETE	91.637	0	0
MA40003385	B3	MH40003066	MH40006490	BEATRICE	CS	300	CONCRETE	42.983	5.306	0
MA40005169	B4	PL40001490	MH40004729	BEATRICE	CS	300	CONCRETE	17	0	0
MA40005176	B4	MH40004701	MH40004711	BEATRICE	CS	300	CONCRETE	43.69	3.157	0
MA40005181	B3	MH40003007	MH40004790	BEATRICE	CS	300	CONCRETE	43.742	0	0
MA40007085	C3	MH40006476	MH40006481	BEATRICE	CS	300	CONCRETE	34.752	2.864	15000
MA40007090	C3	MH40006471	MH40006470	BEATRICE	CS	300	CONCRETE	42.057	3.679	0
MA40003431	B7	PL40001539	MH40008158	BRAZIER	CS	300	CONCRETE	28.04	2.439	0
MA40008558	G5	MH40007794	MH40007793	BRAZIER	CS	300	CONCRETE	59.794	4.469	5000
MA40008559	G5	MH40007795	MH40007794	BRAZIER	CS	300	CONCRETE	37.19	0	0
MA40008560	G5	MH40007797	MH40007794	BRAZIER	CS	300	CONCRETE	25.831	0	0
MA40008566	F6	PL40002943	MH40007807	BRAZIER	CS	300	CONCRETE	36.932	0	0
MA40008568	E6	MH40007936	MH40007802	BRAZIER	CS	300	CONCRETE	83.76	4.044	0
MA40008574	F6	PL40002948	MH40007807	BRAZIER	CS	300	CONCRETE	23.78	0	0
MA40008701	E6	PL40003018	MH40007927	BRAZIER	CS	300	CONCRETE	42.67	4.824	0
MA40008820	D7	PL40003052	MH40008038	BRAZIER	CS	300	CONCRETE	40.684	2.6	0
MA40008825	C7	MH40008120	MH40008038	BRAZIER	CS	300	CONCRETE	80.978	2.6	0
MA40008957	C7	PL40003140	MH40008158	BRAZIER	CS	300	CONCRETE	38.4	2.436	0
MA70031624	C7	PL40003108	MH40008120	BRAZIER	CS	300	CONCRETE	28.04	4.552	0
MA40003347	B3	MH40003086	MH40003061	CARMEN	CS	450	CONCRETE	57.75	0	0
MA40003348	B3	MH40003061	MH40003060	CARMEN	CS	450	CONCRETE	44.492	4.581	0
MA40003376	B3	MH40004711	MH40003086	CARMEN	CS	450	CONCRETE	101.8	3.728	0
MA40003427	C5	MH40007884	MH40004748	CARMEN	CS	300	CONCRETE	138.486	4.495	20000
MA40005178	B4	MH40004748	MH40004705	CARMEN	CS	300	CONCRETE	84.4	2.368	0
MA40005179	B4	MH40004705	MH40004706	CARMEN	CS	300	CONCRETE	84.4	2.816	0
MA40005180	B4	MH40004706	MH40004711	CARMEN	CS	375	CONCRETE	84.3	3.157	0
MA40008052	E9	MH40007308	MH40007493	CHALMERS	CS	300	CONCRETE	101.34	4.01	0
MA40008119	E9	MH40007393	MH40007397	CHALMERS	CS	300	CONCRETE	101.2	4.843	10000
MA40008128	E10	MH40007471	MH40007398	CHALMERS	CS	375	CONCRETE	93.689	6.079	5000
MA40008129	E10	MH40007398	MH40007397	CHALMERS	CS	300	CONCRETE	33.161	6.093	10000
MA40008209	E10	MH40007611	MH40007471	CHALMERS	CS	375	CONCRETE	93.27	0	5000
MA40008235	E11	MH40007682	MH40007411	CHALMERS	CS	375	CONCRETE	93.27	0	5000
MA40008666	C6	MH40007933	MH40007899	CHALMERS	CS	450	CONCRETE	91.59	0	20000
MA40008710	C6	MH40007924	MH40008033	CHALMERS	CS	450	CONCRETE	91.14	4.92	0
MA40008824	C6	MH40008038	MH40008024	CHALMERS	CS	450	CONCRETE	91.14	4.042	0
MA40008826	D7	MH40008013	MH40008116	CHALMERS	CS	300	PVC	89.9	0	0
MA40008827	D7	MH40008016	MH40008038	CHALMERS	CS	300	PVC	12.826	2.93	0
MA40008839	D7	MH40008098	MH40008113	CHALMERS	CS	300	PVC	99.564	4.018	0
MA40008893	D8	MH40008101	MH40008099	CHALMERS	CS	300	CONCRETE	101.3	3.612	0
MA40008899	D8	MH40008099	MH40008098	CHALMERS	CS	300	PVC	5.147	3.578	0
MA40008901	D8	MH40007402	MH40008108	CHALMERS	CS	300	CONCRETE	102.11	0	0
MA40003352	B3	MH40012793	MH40003065	COBOURG	CS	450	CONCRETE	83.2	0	0
MA40003353	B2	MH40003065	MH40003066	COBOURG	CS	450	CONCRETE	83.809	4.699	0
MA40003379	B3	MH40012790	MH40003093	COBOURG	CS	450	CONCRETE	82.91	0	0

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40005194	B3	MH40007879	MH40003090	COBOURG	CS	375	CONCRETE	98.76	3.511	0
MA40008630	C5	MH40007896	MH40007877	COBOURG	CS	300	CONCRETE	96.01	3.097	20000
MA40008651	C5	MH40007877	MH40007878	COBOURG	CS	300	CONCRETE	98.3	0	0
MA40008652	C4	MH40007878	MH40007879	COBOURG	CS	375	CONCRETE	98.15	0	0
MA40008537	E5	MH40007715	MH40007879	DEARBORN	CS	375	CONCRETE	79.192	0	0
MA40008542	E5	MH40007779	MH40007763	DEARBORN	CS	375	CONCRETE	88.696	6.349	20000
MA40008567	E6	MH40007930	MH40007802	DEARBORN	CS	300	CONCRETE	86.749	3.742	0
MA40008583	E6	MH40007802	MH40007815	DEARBORN	CS	300	CONCRETE	83.62	4.288	0
MA40011214	H8	MH40010168	MH40010151	DESALABERRY	CS	300	CONCRETE	79.86	3.712	12500
MA40011224	J8	MH40010165	MH40010166	DESALABERRY	CS	300	CONCRETE	62	0	0
MA40011225	J8	MH40010166	MH40010167	DESALABERRY	CS	300	CONCRETE	40	0	0
MA40011226	J8	MH40010167	MH40010168	DESALABERRY	CS	300	CONCRETE	40.84	2.974	0
MA40007042	D2	MH40006426	MH40006427	DIGBY	CS	300	CONCRETE	133.806	4.139	0
MA70003588	J10	MH70001534	MH40009961	ELMWOOD	CS	300	*UNKNOWN	63.252	3.39	0
MA40003345	A3	MH40003087	MH40003085	GLENWOOD	CS	600	CONCRETE	72.331	4.467	0
MA40003346	A3	MH40003085	MH40003060	GLENWOOD	CS	600	CONCRETE	56.957	4.767	0
MA40003354	B2	MH40003060	MH40003066	GLENWOOD	CS	600	CONCRETE	98.116	5.009	0
MA40003355	B2	MH40003066	MH40003067	GLENWOOD	CS	750	CONCRETE	52.71	5.153	0
MA40003356	B2	MH40003067	MH40003068	GLENWOOD	CS	750	CONCRETE	38.588	5.489	0
MA40003373	B2	MH40003068	MH40003084	GLENWOOD	CS	900	CONCRETE	81.56	5.871	0
MA40003390	B2	MH40003014	MH40006484	GLENWOOD	CS	450	CONCRETE	85.169	0	15000
MA40005207	A4	PL40001498	MH40004727	GLENWOOD	CS	300	CONCRETE	67.1	3.895	0
MA40005208	A4	MH40004727	MH40004728	GLENWOOD	CS	450	CONCRETE	75.4	4.239	0
MA40005209	A3	MH40004728	MH40003087	GLENWOOD	CS	450	CONCRETE	73.249	4.635	0
MA40007026	C2	MH40006420	MH40006414	GLENWOOD	CS	375	CONCRETE	44.693	5.675	15000
MA40007034	C2	MH40006421	MH40006420	GLENWOOD	CS	375	CONCRETE	52.041	0	0
MA40007043	C2	MH40006427	MH40006421	GLENWOOD	CS	375	CONCRETE	105.153	4.542	0
MA40008534	E5	MH40007722	MH40007862	GORDON	CS	375	CONCRETE	87.199	0	20000
MA40008590	E6	MH40007936	MH40007821	GORDON	CS	375	CONCRETE	81.999	4.794	0
MA40008591	E5	MH40007821	MH40007822	GORDON	CS	375	CONCRETE	78.039	5.382	0
MA40008705	E6	MH40008028	MH40007922	GORDON	CS	300	CONCRETE	75.838	4.322	0
MA40008712	E6	MH40007922	MH40007936	GORDON	CS	300	CONCRETE	9.451	4.429	0
MA40008809	E7	MH40008052	MH40008022	GORDON	CS	300	CONCRETE	100.54	3.252	0
MA40008813	E7	MH40008022	MH40008028	GORDON	CS	300	CONCRETE	100.751	2.728	0
MA40008847	F7	MH40008071	MH40008052	GORDON	CS	300	CONCRETE	76.788	2.545	0
MA40005164	A5	MH40004754	MH40004714	HARBISON	CS	300	CONCRETE	113	2.088	0
MA40005210	A4	MH40004714	MH40004727	HARBISON	CS	375	CONCRETE	114.5	5.073	0
MA40005214	B5	MH40004763	MH40004754	HARBISON	CS	300	CONCRETE	124.018	3.322	20000
MA40005240	B6	MH40004789	MH40004760	HARBISON	CS	450	CONCRETE	108.503	4.642	0
MA40005241	B6	MH40004760	MH40004759	HARBISON	CS	450	CONCRETE	107.599	0	20000
MA40005275	B7	MH40004758	MH40008189	HARBISON	CS	375	CONCRETE	108.9	0	0
MA40008165	C9	MH40007432	MH40007431	HARBISON	CS	450	CONCRETE	105.354	6.533	0
MA40008166	C9	MH40007459	MH40007432	HARBISON	CS	450	CONCRETE	106.07	5.13	0
MA40008193	D10	MH40007474	MH40007459	HARBISON	CS	450	CONCRETE	105.46	5.45	10000
MA40008211	D10	MH40007454	MH40007674	HARBISON	CS	375	CONCRETE	99.25	0	10000
MA40008382	E12	MH40007625	MH40007673	HARBISON	CS	300	CONCRETE	113.8	0	0

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008400	D11	MH40007673	MH40007642	HARBISON	CS	300	CONCRETE	100.49	0	0
MA40008413	D10	MH40007642	MH40007654	HARBISON	CS	375	CONCRETE	105.12	3.795	0
MA40008936	C9	MH40008136	MH40008147	HARBISON	CS	300	CONCRETE	102.26	2.622	0
MA40008946	C8	MH40008147	MH40008146	HARBISON	CS	300	CONCRETE	102.02	3.401	0
MA40008958	C8	MH40008146	MH40008158	HARBISON	CS	375	CONCRETE	101.19	3.926	0
MA40003375	B2	MH40003084	TE40000965	HART	CS	2125X2850	CONCRETE	2.11	0	0
MA40003389	B2	MH40003010	MH40006484	HART	CS	2125X2850	CONCRETE	56.131	0	0
MA40007038	C3	TE40002269	MH40006410	HART	CS	2125X2850	CONCRETE	226.553	0	0
MA40007086	C3	MH40006465	MH40006464	HART	CS	2125X2850	CONCRETE	46.7	0	0
MA40007092	C3	TE40002270	MH40006464	HART	CS	2125X2850	CONCRETE	6.547	0	0
MA40008610	D4	MH40007842	MH40007855	HART	CS	2125X2850	CONCRETE	184.04	0	0
MA40008627	C4	MH40006455	MH40007865	HART	CS	2125X2850	CONCRETE	158.8	0	0
MA70016456	B2	TE40000965	MH70006540	HART	CS	2850	CONCRETE	24.34	6.73	0
MA40005217	B5	MH40004746	MH40007881	HENDERSON	CS	600	CONCRETE	75.76	0	20000
MA40005231	B6	MH40004763	MH40004747	HENDERSON	CS	600	CONCRETE	55.323	0	20000
MA40005232	B6	MH40004747	MH40004746	HENDERSON	CS	600	CONCRETE	9.175	0	20000
MA40005239	B6	MH40004803	MH40004759	HENDERSON	CS	300	CONCRETE	37.407	0	20000
MA40005244	B6	MH40004759	MH40004763	HENDERSON	CS	600	CONCRETE	8.195	0	20000
MA40008500	F4	TE40002912	MH40007751	HENDERSON	CS	900X1150	CONCRETE	5.52	0	20000
MA40008501	F4	MH40007752	TE40002912	HENDERSON	CS	500	CONCRETE	67.214	0	20000
MA40008502	F4	MH40007760	TE40002912	HENDERSON	CS	925X1200	CONCRETE	16.561	0	20000
MA40008509	E4	MH40007750	MH40007763	HENDERSON	CS	1050X1350	CONCRETE	75.919	6.645	20000
MA40008519	E5	MH40007763	MH40007762	HENDERSON	CS	900X1150	CONCRETE	134.961	0	20000
MA40008525	D5	MH40007868	MH40007746	HENDERSON	CS	900X1150	CONCRETE	37.753	6.405	20000
MA40008601	D5	MH40007841	MH40007842	HENDERSON	CS	2125X2850	CONCRETE	38.181	7.493	20000
MA40008604	D5	MH40007834	MH40007842	HENDERSON	CS	900X1150	CONCRETE	32.365	7.493	20000
MA40008613	D5	MH40007846	MH40007834	HENDERSON	CS	900X1150	CONCRETE	38.682	0	20000
MA40008616	C5	MH40007897	MH40007841	HENDERSON	CS	750	CONCRETE	101.96	6.707	20000
MA40008653	C6	PL40002989	MH40007881	HENDERSON	CS	300	CONCRETE	25	0	20000
MA40008656	C5	MH40007881	MH40007884	HENDERSON	CS	600	CONCRETE	46.008	0	20000
MA40008669	C5	MH40007898	MH40007897	HENDERSON	CS	750	CONCRETE	47.908	0	20000
MA40008670	C5	MH40007899	MH40007898	HENDERSON	CS	750	CONCRETE	39.711	0	20000
MA40008671	C5	MH40007884	MH40007899	HENDERSON	CS	600	CONCRETE	39.133	0	20000
MA70023398	D5	MH40007762	MH40007768	HENDERSON	CS	900X1150	CONCRETE	35.36	0	20000
MA70023400	F4	MH40007750	MH40007751	HENDERSON	CS	900X1150	CONCRETE	74.333	0	20000
MA40007028	C2	MH40006435	MH40006414	HESPELER	CS	450	CONCRETE	97.5	0	15000
MA40007053	C3	MH40006461	MH40006435	HESPELER	CS	375	CONCRETE	97.5	0	15000
MA40007074	C3	MH40006481	MH40006461	HESPELER	CS	375	CONCRETE	96.2	3.412	15000
MA40007104	C3	MH40006483	MH40006481	HESPELER	CS	300	CONCRETE	95	2.977	15000
MA40008530	D4	MH40007872	MH40007737	HESPELER	CS	300	CONCRETE	95.7	0	15000
MA40008605	D4	MH40007837	MH40007836	HESPELER	CS	300	CONCRETE	97	3.2	15000
MA40008617	D3	MH40007836	MH40006483	HESPELER	CS	300	CONCRETE	93.005	2.208	15000
MA40008065	E9	MH40008047	MH40007361	JOHNSON	CS	300	CONCRETE	100.623	2.802	5000
MA40008674	C5	MH40007805	MH40007997	JOHNSON	CS	450	CONCRETE	86.97	0	20000
MA40008678	D6	MH40007942	MH40007905	JOHNSON	CS	450	CONCRETE	88.401	5.769	5000
MA40008722	D6	MH40008033	MH40007942	JOHNSON	CS	450	CONCRETE	86.451	5.565	5000

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008805	D6	MH40008047	MH40008033	JOHNSON	CS	375	CONCRETE	108.014	4.57	5000
MA40008843	D7	MH40008092	MH40008047	JOHNSON	CS	375	CONCRETE	103.673	2.909	5000
MA40008858	E8	MH40008061	MH40008062	JOHNSON	CS	300	CONCRETE	109.524	3.753	5000
MA40008875	D7	MH40008062	MH40008092	JOHNSON	CS	375	CONCRETE	105.014	4.103	5000
MA40008706	E6	MH40008028	MH40007930	LACY	CS	300	CONCRETE	66.073	3.222	0
MA40007040	D2	MH40006456	MH40006425	LESLIE	CS	300	CONCRETE	84.5	3.878	0
MA40007041	C2	MH40006425	MH40006421	LESLIE	CS	300	CONCRETE	85.374	4.544	0
MA40008047	E9	TE40002726	MH40007335	LEVIS	CS	1525X2260	CONCRETE	100.588	0	10000
MA40008048	E9	MH40007335	MH40007332	LEVIS	CS	1525X2260	CONCRETE	58.22	0	5000
MA40008049	E9	MH40007333	MH40007332	LEVIS	CS	300	CONCRETE	63.03	0	5000
MA40008050	F9	MH40007334	MH40007333	LEVIS	CS	300	CONCRETE	43.009	0	0
MA40008130	E10	TE40002726	MH40007398	LEVIS	CS	1525X2260	CONCRETE	45.309	0	10000
MA40008693	G6	TE40003028	MH40007917	LEVIS	CS	300	CONCRETE	62.09	3.048	5000
MA40008694	G6	MH40007920	TE40003028	LEVIS	CS	300	CONCRETE	31	0	0
MA40008727	G6	MH40007948	MH40007948	LEVIS	CS	300	CONCRETE	28.82	0	5000
MA40008853	E9	MH40008032	MH40007384	LEVIS	CS	1725X2250	CONCRETE	69.609	0	0
MA40008881	E8	MH40008081	MH40008084	LEVIS	CS	300	CONCRETE	59.001	6.502	0
MA40003430	B6	MH40008155	MH40004755	MARTIN	CS	300	CONCRETE	103.48	3.67	0
MA40005187	B4	MH40004749	MH40004697	MARTIN	CS	300	CONCRETE_PVC	109.5	2.496	0
MA40005190	B4	MH40004797	MH40004629	MARTIN	CS	375	CONCRETE	113.23	0	0
MA40005203	A3	MH40003029	MH40004787	MARTIN	CS	375	CONCRETE	116.19	0	0
MA40005218	B6	MH40004755	MH40004746	MARTIN	CS	300	CONCRETE	103.488	0	20000
MA40005230	B5	MH40004745	MH40004749	MARTIN	CS	300	CONCRETE	118.956	1.926	20000
MA40008161	D8	MH40007428	MH40008124	MARTIN	CS	375	CONCRETE	105.52	5.709	0
MA40008162	D9	MH40007456	MH40007428	MARTIN	CS	375	CONCRETE	105.7	5.83	0
MA40008169	D9	MH40007467	MH40007456	MARTIN	CS	300	CONCRETE	106.28	5.266	10000
MA40008203	D10	MH40007593	MH40007467	MARTIN	CS	300	CONCRETE	108.75	5.148	10000
MA40008348	E11	MH40007649	MH40007593	MARTIN	CS	300	CONCRETE	107.78	4.059	0
MA40008367	E11	MH40007615	MH40007649	MARTIN	CS	300	CONCRETE	108.2	3.663	0
MA40008913	C7	MH40008160	MH40008114	MARTIN	CS	300	CONCRETE	100.58	3.687	0
MA40008914	C8	MH40008114	MH40008135	MARTIN	CS	300	CONCRETE	100.58	4.247	0
MA40008924	C8	MH40008135	MH40008124	MARTIN	CS	300	CONCRETE	105.43	5.703	0
MA40008954	C7	MH40008159	MH40008155	MARTIN	CS	300	CONCRETE	102.78	3.499	0
MA40008535	D5	MH40007898	MH40007746	MCINTOSH	CS	450	CLAY	85.65	6.175	20000
MA40008563	E6	MH40007927	MH40007799	MCINTOSH	CS	375	CLAY	85.86	5.598	0
MA40008585	D5	MH40007799	MH40007798	MCINTOSH	CS	450	CLAY	86.26	5.629	0
MA40008702	E7	MH40008020	MH40007927	MCINTOSH	CS	375	CONCRETE	106.53	5.153	0
MA40008808	E7	MH40008048	MH40008020	MCINTOSH	CS	300	CONCRETE	59.28	2.365	0
MA40008596	E5	MH40007827	MH40007822	MCPHAIL	CS	300	CONCRETE	58.842	5.358	0
MA40008544	G6	MH40007717	MH40007982	MIDWINTER	CS	375	CONCRETE	85.95	4.635	5000
MA40008561	G5	MH40007782	MH40007793	MIDWINTER	CS	375	CONCRETE	86.44	4.514	5000
MA40008695	G6	MH40007942	MH40010117	MIDWINTER	CS	300	CONCRETE	79.25	0	5000
MA70023078	G5	MH70008187	MH70008187	MIDWINTER	CS	450	*UNKNOWN	104.033	0	5000
MA70023080	G5	MH70008187	MH70008189	MIDWINTER	CS	450	*UNKNOWN	93.46	0	5000
MA70023081	G4	MH70008189	MH70008188	MIDWINTER	CS	450	*UNKNOWN	94.295	0	5000
MA40008505	F5	MH40007712	MH40007849	MIGHTON	CS	300	CONCRETE	89.286	0	0

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008508	F4	MH40007749	MH40007750	MIGHTON	CS	300	CONCRETE_PVC	89.31	0	20000
MA40008579	F5	MH40007807	MH40007812	MIGHTON	CS	300	CONCRETE_PVC	89.15	3.446	0
MA40010975	J9	MH40009962	MH40009930	NAIRN	CS	375	CONCRETE	83.97	3.708	20000
MA40011008	J8	MH40010157	MH40009963	NAIRN	CS	250	PVC	68.25	0	12500
MA40011014	J9	MH40009961	MH40009962	NAIRN	CS	375	CONCRETE	85.16	0	20000
MA40011204	H8	MH40010145	MH40010144	NAIRN	CS	375	CONCRETE	29.26	0	12500
MA40011205	H8	MH40010151	MH40010145	NAIRN	CS	375	CONCRETE	23.01	3.813	12500
MA40011206	H7	MH40010144	MH40010197	NAIRN	CS	375	CONCRETE	73.76	0	12500
MA40011213	H8	MH40010164	MH40010151	NAIRN	CS	300	CONCRETE	72.24	3.712	12500
MA40011223	H8	MH40010163	MH40010164	NAIRN	CS	250	PVC	74.6	3.38	12500
MA40011240	H6	MH40010181	MH40010180	NAIRN	CS	450	CONCRETE	126.8	0	12500
MA40011241	H7	MH40010197	MH40010181	NAIRN	CS	375	CONCRETE	73.76	0	12500
MA40003357	B2	MH40003101	MH40003069	NOBLE	CS	450	CONCRETE	92.51	5.014	0
MA40003358	B2	MH40003069	MH40003068	NOBLE	CS	450	CONCRETE	92.38	5.364	0
MA40003392	C3	MH40006470	MH40003101	NOBLE	CS	450	CONCRETE	94.49	4.34	0
MA40008622	C5	MH40007852	MH40007851	NOBLE	CS	300	CONCRETE	97.54	1.566	20000
MA40008623	C5	MH40007851	MH40007880	NOBLE	CS	300	CONCRETE	98.15	0	0
MA40008647	C4	MH40007874	MH40006470	NOBLE	CS	375	CONCRETE	97.23	3.685	0
MA40008648	C4	MH40007880	MH40007874	NOBLE	CS	375	CONCRETE	98.15	0	0
MA40008600	D5	MH40008021	MH40007840	POPLAR	CS	1750X2175	CONCRETE	246.684	7.826	20000
MA40008609	D5	MH40007840	MH40007841	POPLAR	CS	1750X2175	CONCRETE	19.456	0	20000
MA40008804	D6	TE40003046	MH40008021	POPLAR	CS	1725X2250	CONCRETE	2.601	7.384	0
MA40008834	D6	MH40008051	MH40008051	POPLAR	CS	1725X2250	CONCRETE	158.566	0	0
MA40008835	D6	TE40003047	TE40003046	POPLAR	CS	1725X2250	CONCRETE	0.459	0	0
MA40008844	E8	TE40003082	MH40008051	POPLAR	CS	1725X2250	CONCRETE	151.419	0	0
MA40008861	E8	MH40008084	MH40008067	POPLAR	CS	1725X2250	CONCRETE	139.844	0	0
MA40008871	E8	TE40003082	MH40008074	POPLAR	CS	750	CONCRETE	7.767	7.29	0
MA40008874	E8	TE40003082	MH40008067	POPLAR	CS	1725X2250	CONCRETE	6.101	0	0
MA40007058	F3	MH40007746	MH40006438	RIVERTON	CS	300	CONCRETE	115.5	0	0
MA40007066	E3	MH40006447	MH40006438	RIVERTON	CS	300	CONCRETE	100.6	0	0
MA40008067	G9	MH40007361	MH40007344	RIVERTON	CS	600	CONCRETE	124.334	4.823	7500
MA40008075	G10	MH40007462	MH40007358	RIVERTON	CS	300	CONCRETE	92.05	3.555	0
MA40008080	G9	MH40007358	MH40007361	RIVERTON	CS	300	CONCRETE	92.2	4.657	7500
MA40008197	G10	MH40006490	MH40007462	RIVERTON	CS	300	CONCRETE	94	3.216	0
MA40008510	F4	MH40007746	MH40007751	RIVERTON	CS	375	CONCRETE	108.063	0	20000
MA40008518	F4	MH40007761	MH40007760	RIVERTON	CS	925X1200	CONCRETE	137.16	0	20000
MA40008547	F6	MH40007710	MH40007985	RIVERTON	CS	925X1200	CONCRETE	121.31	6.433	0
MA40008683	G7	MH40007983	MH40007910	RIVERTON	CS	925X1200	CONCRETE	121.31	4.795	0
MA40008736	G8	MH40007344	MH40007981	RIVERTON	CS	600	CONCRETE	131.22	5.338	0
MA40008764	G7	MH40007981	MH40007982	RIVERTON	CS	900	CONCRETE	131.22	5.608	0
MA40008766	G7	MH40007982	MH40007985	RIVERTON	CS	900	POLYESTE	75.89	0	5000
MA40008768	G7	TE40003038	MH40007983	RIVERTON	CS	925X1200	CONCRETE	40.937	5.931	5000
MA40008769	G7	MH40007985	TE40003038	RIVERTON	CS	925X1200	CONCRETE	9.61	0	5000
MA70020808	F5	MH40007780	MH40007761	RIVERTON	CS	925X1200	CONCRETE	131.52	0	0
MA40008857	D8	MH40008090	MH40008060	ROCH	CS	750	CONCRETE	74.651	7.3	5000
MA40008872	E8	MH40008060	MH40008074	ROCH	CS	736.2	POLYESTE	98.451	7.22	5000

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008889	D8	MH40008124	MH40008105	ROCH	CS	750	CONCRETE	72.287	6.007	0
MA40008890	D8	MH40008105	MH40008090	ROCH	CS	600	CONCRETE	81.568	5.728	0
MA40008935	C9	MH40007431	MH40008124	ROCH	CS	600	CONCRETE	72.282	5.62	0
MA40007044	D2	MH40006426	MH40006456	SILVIA	CS	300	CONCRETE	98.132	4.477	0
MA40007077	C2	MH40006455	MH40006456	SILVIA	CS	300	CONCRETE	44.3	4.477	0
MA40008726	G7	MH40006495	MH40007967	STADACONA	CS	600	CONCRETE	105.531	5.25	5000
MA40008752	G7	MH40007984	MH40007967	STADACONA	CS	600	CONCRETE	105.397	5.45	5000
MA40008767	G7	MH40007989	MH40007985	STADACONA	CS	375	CONCRETE	103.337	5.744	5000
MA40008776	F7	MH40008076	MH40007989	STADACONA	CS	375	CONCRETE	116.09	4.297	5000
MA40008876	F8	MH40008082	MH40008076	STADACONA	CS	300	CONCRETE	125.882	3.642	5000
MA40011237	H6	MH40010180	MH40010178	STADACONA	CS	450	CONCRETE	55.96	3.895	12500
MA40008582	E5	MH40007829	MH40007815	STANIER	CS	300	CONCRETE	90.68	3.995	0
MA40007062	F3	MH40006444	MH40006437	TALBOT	CS	300	CONCRETE	103.34	5.41	0
MA40007067	E3	MH40006437	MH40006447	TALBOT	CS	300	CONCRETE	102.02	4.067	0
MA40007068	E3	MH40006448	MH40006447	TALBOT	CS	300	CONCRETE	102.11	3.588	0
MA40007127	G8	MH40009956	MH40007976	TALBOT	CS	300	CONCRETE	82.14	4.093	5000
MA40008552	G5	MH40007921	MH40007788	TALBOT	CS	300	CONCRETE	106.68	4.32	5000
MA40008696	G6	MH40007946	MH40007921	TALBOT	CS	300	CONCRETE	62.846	3.203	5000
MA40008725	G6	MH40007945	MH40007946	TALBOT	CS	300	CONCRETE	43.714	3.231	5000
MA40008750	G7	MH40007966	MH40007968	TALBOT	CS	450	CONCRETE	80.921	5.082	5000
MA40008751	G7	MH40007974	MH40007966	TALBOT	CS	450	CONCRETE	84.67	4.673	5000
MA40008756	G7	MH40007975	MH40007974	TALBOT	CS	375	CONCRETE	84.67	4.371	5000
MA40008757	G8	MH40007976	MH40007975	TALBOT	CS	375	CONCRETE	81.99	4.386	5000
MA40008765	G7	MH40007968	MH40007967	TALBOT	CS	450	CONCRETE	4.128	5.25	5000
MA40011007	H9	MH40010064	MH40009956	TALBOT	CS	300	CONCRETE	82.14	3.448	7500
MA40011126	H9	MH40010065	MH40010063	TALBOT	CS	375	CONCRETE	84.73	4.689	7500
MA40011127	H9	MH40010093	MH40010065	TALBOT	CS	375	CONCRETE	84.73	4.164	5000
MA40011154	H10	MH40010095	MH40010093	TALBOT	CS	375	CONCRETE	85.04	4.124	5000
MA40008068	F9	MH40007350	MH40007351	THAMES	CS	300	CONCRETE	87.26	0	0
MA40008069	F9	MH40007351	MH40007378	THAMES	CS	300	CONCRETE	84.95	4.299	7500
MA40008106	F9	MH40007379	MH40007378	THAMES	CS	300	CONCRETE	76.677	4.299	7500
MA40008200	G10	MH40007461	MH40007379	THAMES	CS	300	CONCRETE	76.236	0	0
MA40008231	G10	MH40007493	MH40007461	THAMES	CS	300	CONCRETE	74.065	0	0
MA40008070	G9	MH40007352	MH40007377	TWEED	CS	300	CONCRETE	90.98	4.402	7500
MA40008076	G9	MH40007359	MH40007377	TWEED	CS	300	CONCRETE	90.22	4.412	7500
MA40008077	G10	MH40007495	MH40007359	TWEED	CS	300	CONCRETE	90.22	3.877	0
MA40008232	G10	MH40007495	MH40007494	TWEED	CS	300	CONCRETE	90.28	3.87	0
MA40008775	F7	MH40008012	MH40007989	TWEED	CS	375	CONCRETE	74.68	4.203	5000
MA40008799	G8	MH40008015	MH40008011	TWEED	CS	300	CONCRETE	76.96	3.234	0
MA40008800	F8	MH40008011	MH40008012	TWEED	CS	300	CONCRETE	75.26	3.73	0
MA40014750	G8	MH40008015	TE40004964	TWEED	CS	300	CONCRETE	1.83	0	0
MA40014751	G8	TE40004964	MH40007352	TWEED	CS	300	CONCRETE	87.759	2.822	0
MA40008122	E10	MH40007597	MH40007438	UNION	CS	300	CONCRETE	105	4.919	10000
MA40008143	D9	MH40007440	MH40007423	UNION	CS	375	CONCRETE	105.4	5.479	0
MA40008178	D9	MH40007438	MH40007440	UNION	CS	375	CONCRETE	106.07	4.983	10000
MA40008350	E11	MH40007610	MH40007597	UNION	CS	300	CONCRETE	106.63	3.989	0

Asset	Map Key	US Node	DS Node	Street	Flow	Size	Material	Length	Depth	Traffic Count
MA40008368	E11	MH40007607	MH40007610	UNION	CS	300	CONCRETE	79.25	3.484	0
MA40008833	C7	PL40003061	MH40008120	UNION	CS	300	CONCRETE	40.691	4.539	0
MA40008904	D8	MH40008106	MH40008105	UNION	CS	300	CONCRETE	101.89	5.669	0
MA40008905	D8	MH40007423	MH40008105	UNION	CS	375	CONCRETE	105.42	5.663	0
MA40008906	C7	MH40008107	MH40008106	UNION	CS	300	CONCRETE	102.1	3.761	0
MA40008917	C7	MH40008123	MH40008107	UNION	CS	300	CONCRETE	101.59	3.426	0
MA40008053	F9	MH40007396	MH40007334	WATT	CS	300	CONCRETE	138.88	0	7500
MA40008079	G9	MH40007377	MH40007361	WATT	CS	450	CONCRETE	87.181	4.697	7500
MA40008081	G9	MH40007363	MH40010061	WATT	CS	450	CONCRETE	102.98	0	7500
MA40008105	G9	MH40007378	MH40007377	WATT	CS	450	CONCRETE	86.847	4.462	7500
MA40008123	E10	MH40007397	MH40007438	WATT	CS	300	CONCRETE	80.797	4.717	10000
MA40008131	E9	MH40007403	TE40002726	WATT	CS	300	CONCRETE	53.69	0	10000
MA40008174	D10	MH40007438	MH40007467	WATT	CS	300	CONCRETE	72.309	4.917	10000
MA40008202	D10	MH40007467	MH40007474	WATT	CS	300	CONCRETE	72.315	4.784	10000
MA40010976	H9	MH40010030	MH40009958	WATT	CS	375	CONCRETE	90.599	4.371	20000
MA40010999	J9	PL40003691	MH40009950	WATT	CS	300		60.9	0	17500
MA40011000	J9	MH40009950	MH40009958	WATT	CS	300	CONCRETE	61.7	3.561	17500
MA40011009	J9	MH40009958	MH40009930	WATT	CS	300	PVC	90.656	3.838	20000
MA40011116	H9	MH40010058	MH40010063	WATT	CS	375	CONCRETE	103.563	4.689	7500
MA40007124	H6	MH40006478	MH40010195	WILLIAM NEWTON	CS	450	*UNKNOWN	5.1	4.668	5000
MA40010977	H9	MH40010031	MH40009958	WILLIAM NEWTON	CS	375	CONCRETE	86.26	4.361	7500
MA40011115	H9	MH40010075	MH40010057	WILLIAM NEWTON	CS	300	CONCRETE	105.92	2.741	0
MA40011117	H9	MH40010057	MH40010058	WILLIAM NEWTON	CS	300	CONCRETE	103.56	4.449	7500
MA40011238	H6	MH40010179	MH40010178	WILLIAM NEWTON	CS	375	CONCRETE	94.18	3.925	5000
MA40011239	H7	MH40010195	MH40010179	WILLIAM NEWTON	CS	300	CONCRETE	95.4	2.692	0
MA40011252	H8	MH40010193	MH40009931	WILLIAM NEWTON	CS	300	CONCRETE	86.26	3.74	0
MA40011253	H8	MH40010194	MH40010193	WILLIAM NEWTON	CS	300	CONCRETE	86.26	3.258	0
MA40011254	H7	MH40010194	MH40010195	WILLIAM NEWTON	CS	300	CONCRETE	97	2.688	0

Diameter Length
 <600 19849.838
 >=600-<1200 2917.334
 >1200 1742.258
 Work Days 52

TOTAL 24481.39